



# SCANTLINGS

NEWSLETTER OF THE TIMBER FRAMERS GUILD  
NUMBER 192 FEBUARY-MARCH 2015

## TTRAG meeting in Bucks County

MICHAEL CUBA

The 2015 Traditional Timberframe Research and Advisory Group (TTRAG) symposium will be held April 17–19 in the village of Lahaska in Bucks County, Pennsylvania. While southeastern Pennsylvania has become synonymous among timber framers with German and Swiss building techniques in the New World, this symposium will focus on the lesser-known attributes of the architecture of some of Pennsylvania's earliest European settlers: the Quakers. The evolution of the Pennsylvania barn includes a blending of German and Quaker construction styles. Through examination of several early Quaker buildings and presentations by local

[Register online](#) for the Bucks County TTRAG symposium, April 19.

historians, we hope to bring to light some of the architectural distinctions that are Quaker in origin.

Guests will stay at the [Golden Plough Inn](#), in the Village of Lahaska. The meeting space will be within walking distance in Peddler's Village. Registration will begin prior to dinner on Friday, but you may want to arrive earlier in the afternoon to explore the area. Those who want to see the 1722 Keith House and a barn on the property, at nearby [Graeme Park](#), will have a reduced admission rate. The Keith House has remained largely unchanged over the years and features impressive high style Georgian paneling throughout. Another site that may be of great interest is the [Mercer Museum](#) in Doylestown. Built in 1916, Henry Mercer's concrete castle houses one of the earliest and most focused collections of pre-industrial artifacts.

*See TTRAG, page 3*

**Graeme Park Barn.** Alex Greenwood



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Number 192 February–March 2015

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PO Box 60, Becket, MA 01223, [www.tfguild.org](http://www.tfguild.org).  
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**Sue Warden**, business manager, 855/598-1803.

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News contributions and correspondence: **Accacia Mullen**, associate editor. 3525 Maury River Rd, Rockbridge Baths, VA 24473. 540/817-9398.



Lexington project rendering. See story page 5.

## Board of directors changes

GABEL HOLDER

Let us welcome Stephen Morrison to the Guild board of directors and thank Charles Leik for all his hard work to strengthen the Guild's finances. Charles resigned his seat late in 2014 to focus on other commitments. Because our bylaws require that a board seat be filled within 60 days of its vacancy, the TFG board selected longtime Guild member and TFBC board member Stephen Morrison. Stephen will serve in this position until our next general election in June, when we will also hold a special election to fill that seat for the remainder of its term (the end of 2016). Remember, we postponed our regular election until June via a member-approved motion in order to conclude our merger discussions with the TFBC. Soon, we will be sharing a complete list of directors along with committee and task force assignments. We thank Charles and wish him the best as he devotes his time to other pursuits. Thank you again, Charles and welcome, Stephen!

**Many thanks to Charles Leik! And welcome Stephen Morrison to the board of directors (below).** Chanda Morrison





Several speakers will take part in this year's event. Along with the New Jersey Barn Company, Jeffrey Marshall of the [Heritage Conservancy](#) has been instrumental in planning this symposium. On Friday evening, Jeffrey will introduce us to the region and create the context for our examination of its architecture and material culture. Lisa Minardi, an assistant curator at the [Winterthur Museum](#) in Delaware, will examine the culture of the Quakers and their settlement.

Lisa Minardi's talk on Friday night is *A Great Mixed Multitude: The Settlement of Southeastern Pennsylvania, 1681 to 1850*. Her talk will introduce us to the region, its settlers, and their material world with an emphasis on houses and furniture. She will be available to answer questions and sign books after the presentation.



Stover Mill Works. Michael Cuba

### Saturday morning

Our tour will begin on Saturday morning with a short walk to the Buckingham Friends Meeting House. Tour buses will pick us up after exploring the Meeting House. Bag lunches will be provided for the day-long tour. We will visit these buildings.

**Buckingham Friends Meeting House, 1768.** This iconic Quaker Meeting House, a National Historic Landmark, is remarkably well-preserved and features a unique king post truss arrangement that offers insight into how timber framing supplemented the local traditions of building in stone. This building illustrates how the Georgian style was interpreted and incorporated with the practical and often austere traditions of the Quakers in Pennsylvania.

**Byecroft Road Barn, c. 1860.** A forebay barn, typical of Pennsylvania barns in most regards, this one features one bent of a perplexing arrangement. Hand-planed hewn timbers feature decorative chamfering. A lower girt that perhaps served as a swing beam frames out an opening with hand carved scroll-like embellishments. Conical masonry piers associated with the Quaker barn building tradition support the large forebay. The

barn was added to a smaller, pre-existing English barn that was raised, presumably when the larger barn was constructed. In all, a fine puzzle!

.....  
*The evolution of the Pennsylvania barn includes a blending of German and Quaker construction styles.*  
.....

**Mechanicsville Road Barn, c. 1840.** With the exception of the atypical stone wall extending into one side of the forebay, this barn is an example of a typical arrangement of an English (Quaker) forebay barn, offering insights into the use and common floor plan of barns in central and lower Bucks County.

**Tinicum Park Barn, c. 1870.** This massive barn is well designed, with trusses for the entryway and for the grand cupola. A root cellar within the ramp of its drive is among other notable details. The frame, constructed during the second half of the 19th century, illustrates the scale and growth of post-Civil War agriculture in Pennsylvania. The foundation incorporates both brick and stone.

**Stover-Myers Mill, 1800.** The Stover-Myers Mill produced flour continuously until 1955. Although upgraded over the decades of operation, the mill retains much of its original equipment including an adjacent sash saw. The wooden gears have recently been restored and the mill is fully functional once again.

**Paxson Road Barn 1785.** A remarkable example of an early English ground barn, the building features elongated ventilator ports in the stonework and elegant jack arches above the doors. An odd partial swing beam and stout longitudinal ties are among the highlights of this barn's well executed joinery.

**Windy Bush Road Barn 1853.** Although this barn is not typical of the region, it exemplifies the very best of the craftsmanship that Bucks County has to offer. The quoins (corner masonry blocks) that frame out the wall above the forebay are exceptional. This barn illustrates the double-decker or saddle-bag barn style associated with the Quakers. We may also explore an 18th-century Dutch house frame that had been relocated to the property from across the Delaware River.

### Saturday evening

Following dinner, Alex Greenwood, a partner in The New Jersey Barn Company, will speak on *The Other English Barn: Quakers in the Delaware Valley and the Origins of the Pennsylvania Bank Barn*. Between 1675 and 1715, some 23,000 Quakers, mostly English, arrived in the Delaware Valley, bringing building traditions and a mindset quite different from those of the Puritans in the Massachusetts Bay Colony. Subsequently, many German and Swiss settlers arrived, and the interrelation between these groups fostered the development of the Pennsylvania bank barn. A slide show will follow Alex's presentation.

See TTRAG, page 4

## TTRAG, from page 3

We encourage you to submit 10 of your favorite images (via flash drive, or CD if you are really old school) of your work in timber framing. Your registration confirmation will include further details.

### Sunday morning

The symposium will conclude with two presentations followed by lunch.

Defining the Terms: A Facilitated Discussion to Explore the Importance of Semantics and Refine the Lexicon of the Craft of Timber Framing will be presented by Michael Cuba, New Jersey Barn Company, and Ken Rower, editor of *TIMBER FRAMING*, Journal of the Timber Framers' Guild. Over the past 30 years, the Guild has made great strides in expanding the knowledge and history of our craft. Throughout this process, our nomenclature has evolved to effectively communicate our observations. The result has been the creation of a colloquial language among Guild members and other professionals and enthusiasts. A well-defined glossary of terms from the Guild is an invaluable tool for writing and communicating, but it often conflicts with descriptive terminology in printed works both past and present. While many of our terms have been defined from historic precedents, others have emerged from conversations and arguments about appropriate use among framers, architects, engineers, and historians.

We hope this facilitated discussion can clarify some of



Windy Bush Road Barn. Alex Greenwood

the evolution of our terminology from the past few years and seek further clarification by defining new terms in a relevant forum. Although we have several topics already slated for discussion, please send along any ideas, experiences, or peeves relating to terminology and its usage by email to [Michael Cuba](#).

Patrick Donmoyer, a building conservator and exhibit specialist at Kutztown University's [Pennsylvania Cultural Heritage Center](#), will discuss German influence in the region with an emphasis on barn building and architecture. He has recently published a book, *Hex Signs: Myth and Meaning in Pennsylvania Barn Stars*.

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## Adaptive re-use in action

**BILL HURLEY**

Guild members Bill Hurley and Paul Oatman met at the beginning of a project of the California/Nevada Barn Alliance back in 2010. Now, a chance is coming up to meet other like-minded enthusiasts at a community partial-barn raising.

The Hay Barn is an 1868 timber framed structure on the campus of University of California Santa Cruz, in its Cowell Lime Works Historical District. After its rebuild it will become part of USCS's sustainable agriculture program—an adaptive re-use poster child! And it's less than three miles from the Pacific Ocean.

You are invited, by Santa Cruz Timber Frames and UCSC, to witness and take part in a barn raising March 20 and 21. For more information about the barn, see [HayBarnFlyer](#). For how to get there or any other questions, reach [Bill Hurley](#) at Dos Osos Timberworks, [805/528-8402](tel:8055288402).



# Rendezvous, workshop in March, for Lisa's House

GRIGG MULLEN, JR.

Lisa's House, the home of Project Horizon (PH), Lexington, Va.'s domestic abuse and sexual assault prevention agency, originally built in 1999 by Virginia Military Institute (VMI), the TFG, and others, is due for an expansion. We are looking for help. PH continues to serve local clients while now also handling the emergency 24-hour hotline for the state of Virginia and providing much training to similar agencies.

Guild member Andrea Warchaizer is finalizing plans for the 3,600 sq. ft., three-story addition to the existing shelter with a long span ridge truss on the third floor. Some live edge pieces will likely make their way into the truss. The forge, used at the past few spring projects in Lexington, will again be in use to add hand-forged iron work to the frame.

The project will go from Friday evening, March 20, through Tuesday evening, March 31. Work will be done near the site in the same large (enclosed, heated) pavilion on the Washington and Lee University campus that was used in 1999. Participants can camp on site or will be housed with local families. Numerous local churches, civic organizations, and restaurants will be feeding the crew.

There will be two stages of work.

From March 20–27 the project will operate under the Guild's hybrid instructional-production rendezvous model. Entry level framers can receive seven days of concentrated instruction in return for a \$250 (tax deductible) donation to Project Horizon. More experienced framers are invited to join in whenever your schedule allows for as long as you are willing to stay. Students and volunteers sign up [here](#).

Then, Friday afternoon, March 27, the project kicks into high gear with addition of the VMI cadets for their annual spring Field Training Exercise (FTX). As in the recent past, we also hope to have student groups from

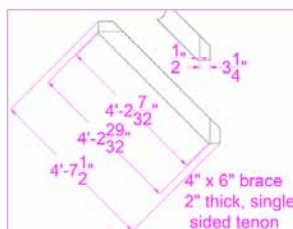


Lisa's House street view with frame. Grigg Mullen

the Massachusetts College of Art, Fanshawe College, and Alfred State University joining the cadets. There has also been interest from the College of the Building Arts. Add in Guild participants, and it should be a wonderful mix of personalities and skills.


Please consider joining us for as much or as little of the project as you can. As always you will be fed, housed, worked hard, and rewarded with companionship and the satisfaction of doing good work. We are working on evening activities, including a bag auction to benefit Project Horizon, in the spirit of Guild conference auctions. Again, please sign up [online by March 1](#) so we can take good care of you. For more information, email [Grigg Mullen](#) or call him at 540/464-6578.

If you can't travel to Lexington, but would still like to contribute, consider cutting and sending a brace. Decorative carving on the brace would be an added delight. A detailed brace drawing is at left. Please ship your brace by March 15 to Project Horizon, 120 Varner Lane, Lexington, VA 24450.



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# North-central regional gathering in July

PETER HENRIKSON

North House Folk School will host a TFG regional gathering July 10–12.

The event begins Friday night with an open house, tour of the North House timber framed campus buildings, and happy hour. Saturday will feature speakers on topics including new log-to-log joinery, German-style timber framing, and incorporating masonry heaters. The afternoon will feature a variety of hands-on demonstrations, including hewing, timber carving, and joint busting. The evening culminates with a build-your-own wood-fired pizza bake and a group slide show. Sunday morning will include brunch and presentation. Your registration includes three meals (lunch, dinner, and



At the North House Folk School 2014 regional gathering.

brunch) and participation in all seminars. Check the [North House website](#) for more information or to register.

## “He and I are both out.”

TOM HAANEN

In 2012, four Guild members trained, supervised, and worked alongside a team of inmates from the Lewis County Detention Center in Vanceburg, Kentucky, part of Appalachia, to build a timber-framed picnic pavilion for the city of Frankfort. The photo at right was taken about five minutes after Bubba (in orange) learned that he had been paroled and was to be released that evening. We were loading the frame on a flatbed and were preparing to travel to Frankfort to start erecting it the next day. Actually, we were looking forward to having Bubba work with us in Frankfort.

To put things in perspective, Bubba was at the top of the food chain at LCDC. He was an enthusiastic participant and the other inmates followed his example. Bubba was crucial to the success or failure of the project. One word from him and we would have lost



Tom and Bubba.

the cooperation of most of the inmates. Fortunately, he believed in what we were doing. (See *Scantlings* 170, 172, 173.)



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# Modern, historical explored at Canada–East gathering

TIM KRAHN

On January 30, more than 80 builders, students, engineers, architects, and designers met at the Nova Scotia Community College Kingstec campus (Kentville) for a day of timber framing. The gathering was organized by Mark Gillis, of Gillis & Company Timber Frames (Halifax), and WoodWorks Atlantic sponsored coffee and tea, with Samantha Nowlan of WoodWorks in attendance.

Mark began with a presentation on his joinery and shop drawings, highlighting methods of design to optimize the joinery while minimizing the amount of wood removed at key connections. He also discussed the importance of paying attention to building systems and envelopes that depend on the timber frame.

*Builders and designers enjoyed new and revived connections, and a new batch of builders was introduced to the art and craft of timber framing in both a modern and historical context.*

Workshop demonstrations were spread out over the day between classroom style sessions. Ethan Higgins of Green Timber Works (Vermont) gave a hewing demonstration, showing methods using axes alone as well as axes with chainsaws. David Pashley and Josh Amos of Olde Mountain Carpenters (Nova Scotia) demonstrated the layout and cutting of a classic mortise and tenon pair using chisels, knives, pencils, a chain mortiser, block plane, circular saw, and a hand saw. Lastly, Makaio Maher of Green Timber Works demonstrated square rule layout. There were quite a few carpentry students in attendance, so this was a valuable demonstration.

Other classroom presentations included a review of historic timber framing in Nova Scotia by Austin Parsons of Dalhousie University, a demonstration of SketchUp software for timber frame design and visualization by Kimberley Reagan of TimberhArt Woodworks (Nova Scotia), and a presentation on building science and envelope design by Tim Krahn of Building Alternatives (Ontario).

Austin's talk was very informative, filling in many details about the vernacular of timber building in Nova



A group watches as Ethan Higgins demonstrates hewing. Guild member Mark Gillis organized the meeting. Kimberley Reagan

Scotia and highlighting the various European influences over time and through circumstances including war, immigration, expropriation, and other calamities. He also discussed the origin of the gambrel roof in some detail.

Kimberley showed us some valuable techniques for maximizing our time if we choose to design with SketchUp, sharing good lessons with students.

Tim's presentation highlighted the importance of site and climate considerations in design, as well as the realities that current minimum energy efficiency standards are presenting for timber frame builders and designers. He emphasized the importance of a holistically designed building envelope that works together with the timber frame structure.

In addition to the presentations and workshops, Mark, Kimberley, Tim, and Makaio all showed photographs of their work. Mark touched on the importance of good photography and lighting to showcase a timber frame. Kimberley showed us her excellent restoration of a timber frame dome in a historic church in Halifax. Tim had some examples of live edge timber joinery from Ontario, and Makaio showed us a variety of custom projects from his practice in Vermont.

Builders and designers enjoyed a great day of new and revived connections, and a new batch of builders was introduced to the art and craft of timber framing in both a modern and historical context. Many thanks to Mark and Laurie Gillis for their work in organizing the event, to NSCC Kingstec for providing a venue and logistical support, to WoodWorks Atlantic for refreshments, to the presenters and demonstrators who gave their time and resources, and to all of the people who came in the midst of some questionable east coast weather. We all look forward to the next regional gathering in the Maritimes.



Goosewing hewing will be taught at the Kearns School.

## New log building school to open in mid-Wales

JOHN KEARNS

The John Kearns School of Log Building is set to open later this year in mid-Wales, and will be housed in a hand-hewed framed barn. They plan to offer courses in log building, hand hewing and other forms of traditional carpentry. If you are interested in volunteering to help hew in the spring or sign up for the first courses, starting in August, go [here](#). They have launched a campaign to raise £63,000 (approximately \$96,000) to pay for equipment and labor to get the school off the ground. To learn more about the school or donate, see their [website](#).



## APPRENTICE LOG

### Apprentice training in Ft. Collins

CURTIS MILTON

For the 2015 assessment and training of the Apprentice Training Program (ATP), we have tried to establish a learning platform that is of long-term value to our apprentices and journeyworkers (JW), while being available to others. This means that the content and materials developed for the presentation become part of the repository of knowledge we are compiling for future generations. We are creating some original content, compiling existing content, and adding a timber frame perspective to it all.

*We are creating original content and adding a timber frame perspective to it all.*

Program graduate JW Chris Drake outlined the presentations for the weekend, and the plan was further refined by various collaborators. The concentrated topic list targets the TFG curriculum outline, specifically Year Three Trade Sciences (design, mechanical properties, and forces and stresses of timber frames; and properties and reactions of wood). Much of the programming is being developed and will be presented by registered (qualified and financially contributing) ATP members. Jake Amadon, apprentice, will graduate to JW by fulfilling the last of his requirements—preparing and teaching part of the program. His topic will be timber frame design: working with and without architects.

We are pleased to welcome Dick Schmidt as our guest presenter. Dick is professor and head of the civil and architectural engineering department at the University of Wyoming, former member of the TFG board of directors, and a founding member of the Timber Frame Engineering Council. Dick's presentations and

assessments will be a welcome addition to the program's knowledge base. [Year one trade sciences](#) is the suggestion for baseline knowledge and competency. To assure this, the ATP packaged and delivered six weekly exercises beginning December 2014. These exercises will be reviewed during our gathering. Access to these exercises is available upon request.

This, our fourth annual assessment and training event, is sponsored by the registered members of the program and is hosted by Frameworks Timber of Ft. Collins, Colo. It is open to all for a fee of \$480 which includes meals. Thanks to all the registered members of our program, who continue to both support and benefit from the existence of this valuable endeavor.

### Check the ATP blog

With the February 20–22 Apprentice Training Program training and assessment, the [apprenticeship blog](#) is being updated. Be sure to take a look.

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## Convenient disconnect: judging building performance

AUSTIN PARSONS

### Part I

In *Scantlings* 184, I wrote how the criteria used to judge the authenticity of heritage buildings and alterations to heritage buildings has changed—a change due to a shift in attitude about what is important. In brief, judging the authenticity of our built heritage became an issue in the last half of the 20th century. Then, judgment was concerned with the tangible—a building's physical design, its workmanship, its setting in the landscape, and the materials used to make it. This approach is building concentric. It did not take into account the people, traditions, or cultural context of the building beyond the immediate. This changed in the mid-1990s.

After the 1996 Nara Conference on Authenticity, how one judged authenticity was expanded to include the human element. Now, judgment includes both the tangible and intangible. The intangible authenticity criteria are the passions and concerns of the people who use the building, its function, the traditions associated with its making and maintenance, its spirit, and what or how people feel about the building.

Taking a timber framer's perspective, the conference also brought to light the difference between wood and stone buildings. It recognized through actions and charter that the knowledge about a stone building resides in the building itself, while the knowledge about a wood building resides in the people who make and maintain it.

*Intangible authenticity criteria are the passions and concerns of the people who use the building, its function, the traditions associated with its making and maintenance, its spirit, and what or how people feel about the building.*

### The here and now

Here we are in 2015, and suffice to say that the authenticity judgment criteria are still evolving. They are still incomplete. The issue addressed in this article is a building's environmental performance. For example, how would one judge the authenticity of adding interstitial wall insulation?

Start with an original 18th-century farmhouse complete with its original windows and doors. There has been no major change in 300 years to its building envelope or timber frame structure. Amazingly, its plaster and lathe, as well as board sheathing and roof boards, are original. It has undergone several re-roofing

cycles and perhaps one or two clapboard system replacements. It is still on its original fieldstone foundation, with an intact timber frame sill and floor system.

Now, to bring the building to a modern standard, the dirt basement floor has been covered with 6 mil plastic, cellulose insulation has been blown into the wall cavities and on top of the attic floor, and upgrades have been performed on the ventilation, heating, plumbing, and electrical systems. At no time, or in no location, was the original envelope penetrated. All mechanical systems have been surface installed and boxed in accordingly. For present purposes, only the insulation blown into the walls is discussed.

At issue here is coming to a balance point between two competing interests. One interest is our changing contemporary cultural expectations for the built environment and the associated change in building performance.

*See Eco-Logic, page 10*

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The other interest is the need to maintain the integrity of our cultural heritage.

A building's performance can, and should, change over time. It needs to evolve to keep up with changing uses and expectations. The building needs to evolve; however, this evolution must be tempered so that the building's original cultural value is maintained, not jeopardized.

Adding insulation to a wood frame building in Nova Scotia originally designed to be insulation free can lead to issues with the wall's durability. The walls can prematurely degrade due to a failure to completely control air leakage as well as a reduced drying potential. The result can be a loss of fabric and, at the extreme, the loss of a historic building. This intervention can go against the conservation principle of do no harm. Despite their best intentions, people make mistakes and oversights can happen. No one and nothing is perfect and, as a result, the building could suffer.

At this point, to arbitrate between these two competing interests, the building is put to a test. Can the farmhouse still be considered authentic once the insulation has been added to it? Why this test? Judging the authenticity of a given building or building intervention meets a base need. It lets others know that the building is special. It represents the past, not only in terms of its building technology, but makes reference to the people who built it and lived in it. It puts our time on earth in the context of those who came before us. Any work done to this building that is still deemed authentic respects this history.

By posing this question and thinking of the contemporary, the authenticity judgment exercise can connect the interests of cultural sustainability with environmental sustainability. In the best of both these worlds, the building remains authentic and at the same time meets contemporary occupant performance expectations. Or has an imaginary line been crossed and the building has migrated from the genuine to the disingenuous? At a minimum, the rational and logic of the exercise can be debated, and through consensus a decision can be

rendered not only about the authenticity question, but ultimately, what can be considered best practice in this circumstance.

Both the tangible and intangible come into play. As well, to judge the proposed change, one must now consider time.

### Time and the judgment of authenticity

Time can have a polarizing effect on those interested in authenticating built heritage. Some practitioners have divorced it from their judgment. A building is designed in a moment in time. Any intervention should be judged according to the design, technology, associated building culture, and cultural values prevalent in the time it was made or when the association was made. Others take the position that a building evolves, and over time its authenticity can be viewed as a series of layers. While the significance of each layer can be debated, the building's cultural value is the result of a composite.

One link between time and the judgment of authenticity is the idea of progressive or layered authenticity. The earliest definition of progressive authenticity I have found in the literature is from the 1977 [final report](#) of UNESCO's Intergovernmental Committee for the Protection of the World Cultural and Natural Heritage. In the report, one member commented to the group that progressive authenticity be applied to buildings that are constructed or modified throughout the centuries but which nevertheless retain some form of authenticity. While that member never defined what was meant by retain some form of authenticity, I understand it to mean that buildings change with time and the subsequent judgment of authenticity must recognize their original intent relative to the required changes of the day.

*Part II will appear in Scantlings 193.*

## Swiss tour in May

Guild member David Bähler has organized a tour of wooden buildings in Switzerland, as part of his research for a book on folk architecture and building techniques. (See [Scantlings 190](#).) The tour, running May 4–14, will begin and end in Bern. Participants will travel by rail with a Swiss Pass (included in fee), and visit villages around the Swiss Countryside. There are still spots available in this tour, and a second tour may be scheduled at a later date if there is interest. For more information, reach David by [email](#), read the itinerary [here](#), and register [online](#).



Schloss Trachtelswald / Wikimedia Commons



# GUILD EVENTS



## Guild tours and events

**VMI-TFG Project Horizon expansion** Mar 20–31, Lexington, Va. Grigg Mullen.

**TFEC timber grading course** Apr 13–15, Heartwood School, Washington, Mass. **Tom Nehil**.

**TTRAG 2015** Apr 17–19, Lahaska, Pa. (See page 1.)

**Timber Framing Tour of Switzerland** May 4–14. **Sue Warden**.

**North-Central Regional Meeting** Jul 10–12, Grand Marais, Minn. **Peter Henrikson**.

**2015 TFG Conference** Oct 29–Nov 1 Coeur d'Alene, Idaho. **Sue Warden**, 855/598-1803.

## other events

*Santa Cruz Timber Frames and UCSC*

**U.C. Santa Cruz hay barn raising** Mar 20–21, Santa Cruz, Calif. **Bill Hurley**, 805/528-8402.

*EcoNest Natural Building*

In Willow Creek, California—

**Natural building apprenticeship boot camp** May 4–Jun 12

**EcoNest Intensive** May 11–29

**Timber framing** May 11–15

**Straw-clay walls** May 18–22

In Ashland, Oregon—

**Japanese Tools and Joinery with Dale Brotherton** Jun 15–21

**Natural building apprenticeship Boot Camp** Jun 29–Aug 7

**EcoNest Intensive** Jul 6–24

**Timber framing** Jul 6–10

**Straw-clay walls** Jul 13–16

**econesthomes.com**, 541/488-9508.

*Fox Maple School of Traditional Building*

In Brownfield, Maine—

**Natural enclosure clay building** May 28–30

**Introductory timber framing** Jun 1–6

**Advanced timber framing** Jun 8–13

**Fox Maple workshops**, 207/935-3720.

*Heartwood School*

**Timber grading** Apr 13–15

**Fundamentals of woodworking** Apr 20–24, Sep 28–Oct 2

**Cabinetmaking** Apr 27–May 1, Oct 5–9

**Country Woodcraft** May 4–8

**Sketchup for timber framers** May 7–9

**Stairbuilding** May 11–15

**Hip and valley roof framing** Jun 8–10

**Build an outdoor earthen oven** Jun 11–13

**Concrete countertops** Jun 12–13

**Timber framing** Jun 15–19, Aug 10–14

**Scribed timber framing** Jun 22–26

**Comprehensive homebuilding** Jul 6–17

**Finish carpentry** Jul 20–24

**Carpentry for women** Jul 27–31

**Converting trees to timber** Aug 3–7

**Timber frame design and joinery decisions** Sep 8–10

**Compound joinery for timber framers** Sep 14–18

**Advanced SketchUp Pro: Layout** Sep 11–12

**Art du Trait** Oct 12–16, Oct 19–23

Washington, Mass. **Michele Beemer**, [heartwoodschool.com](http://heartwoodschool.com), 413/623-6677.

*Hudson Valley Vernacular Architecture*

**Stone house study tour** Mar 21, Stone Ridge, N.Y.

**Tour of houses** Apr 18, Warwick, N.Y.

**Tour of historic buildings** May 16, Troy, N.Y.

**Hurley Stone House day, HVVA picnic** Jul 11, Hurley, N.Y.

**Tour of historic farms** Sep 19, Shawangunk, N.Y.

[hvva.org](http://hvva.org).

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# GUILD EVENTS



(Continues.)

*John C. Campbell Folk School*

**Timber framing / Charles Judd** May 10–16, Brasstown, N.C.  
[folkschool.org](http://folkschool.org), 800/FOL-KSCH.

*Northeast Solar Energy Association (NESEA)*

**Building Energy 15** Mar 3–5, Seaport World Trade Center, Boston, Mass.  
**Building Energy site**, 413/774-6051.

*North House Folk School*

**Build your own timber frame—smaller frames** Jul 14–22  
**Tool making for woodworkers** Mar 5–8  
**Sharpening tutorial** Mar 21–22  
**Basic timber framing** May 6–10  
**Norwegian Grindbygg timber framing** Jun 3–7  
**German-style timber framing** Jul 6–10  
**Timber carving tutorial** Jul 7–10  
**Timber frame engineering: an introduction** Jul 9  
**Timber frame roof and truss engineering** Jul 10  
**SketchingUp your timber frame** Jul 10  
**Build your own timber frame—large frame** Aug 15–24  
 Grand Marais, Minn.  
[northhouse.org](http://northhouse.org), 888/387-9762.

*Rocky Mountain Workshops*

**Designing with SketchUp / Eli West** May 29–Jun 1, Sep 25–28  
**Square rule timber framing: straight and curved timbers / Skip Dewhurst, Josh Jackson** Aug 16–22  
 Colo. State U. Mountain Campus, Pingree Park, Colo.  
 Peter Hancy, [www.rockymountainworkshops.com](http://www.rockymountainworkshops.com), 970/482-1366.

*Sobon/Carlton*

**Traditional timber framing / Jack Sobon, Dave Carlton** Sep 23–27, Hancock Shaker Village, Pittsfield, Mass. Dave Carlton, 318 Bates Rd, Windsor, MA 01270, 413/684-3612, or Jack Sobon, 613 Shaw Rd, Windsor, MA 01270, 413/684-3223.

*Vanaajamaja*

**Traditional log building in Estonia** Mar 23–28 (See *Scantlings* 180)  
 Mooste, Polva County, Estonia  
 Andres Uus, [www.vanaajamaja.ee/en](http://www.vanaajamaja.ee/en).

*Whippletree Timberframing*

**Joinery** Mar 7–8, Jun 13–14  
**Framing** Apr 18–19  
 Keene, Ontario, Canada.  
 Mark Davidson, Whippletree, 705/875-7906.

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## for sale

### Antique 40 x 80 barn frame.

I own the salvage rights to a beautiful 40 x 80, c.1880 timber frame barn standing in NW Vermont. Mix of hewn and sawn softwoods, aisle layout, unique girt-and-stud framing. It's in good condition. I need movement on the frame—buy the salvage rights for \$2000 obo, or I can take it down / restore / raise it for your project. [Photos and description here](#); [Will Gusakov](#) for more info.

### Pegs.

Octagonal locust or walnut pegs, cut to your length and chamfered. Cabin Creek Timber Frames, 828/369-5899.

### Workshop frame.

Workshop frame at a great price! 12 x16-ft., three-bent frame. Includes floor system. See the photo/drawing on our [website](#): click on "Mastering The Basics Of Square Rule Timber Framing." References from previous buyers are available. For details, reach [Peter Haney](#), workshop organizer, 970/482-1366.

## wanted

### Request for bids.

On a 32 x 84 ft. salt box barn, client is looking for "value engineered" timber frame—must be within \$25K of stick frame structure, and not sure this is possible. To be erected in Colorado this summer. Must sustain high wind loads. Request quotes for rough sawn and hand hewn timbers—frame only. For conceptual plan set or additional information, reach [Al Wallace](#), 303/877-5776.

## help wanted

### Business development manager.

New EnergyWorks is looking for a business development manager to work out of our Portland, Oregon, location and to cover the Western states. All our work is custom designed, and our clients are homeowners, fine architects, and builders who want the best in crafted and engineered timber construction. Your responsibility is to keep our craftsmen working by selling our timber framing skills. You will be visiting architectural and design firms and construction offices, answering inquiries, and estimating projects. *(Continues.)*

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(Continues.)

Must come from somewhere in the built environment industry and have proven sales skills. A well-developed sense of design or structural form and a commitment to our three business pillars—people, planet, and profit—are essential. This position would be well suited to a sales engineer, a design professional who wants to get out of the office, or even a custom builder or veteran timber framer who wants to join a bigger community. Any of this strike home? This position is full time with a reasonable benefits package. Send your resume to [Jonathan Orpin](#).

## Draftsperson–designer.

South County Post and Beam, Inc. seeks an experienced draftsman–timber frame designer. Responsibilities include 3D modeling of timber frames and SIPs, shop drawings for timber frame and SIPs, estimating and takeoffs for proposals, communicating with clients and contractors. You should be proficient with AutoCAD Architecture (2013 and later), solidly understand construction detailing, learn new software quickly, and work on multiple projects at one time. Architectural design experience and creative background a plus. Experience with SketchUp, 3D modeling software, and Microsoft Office Suite helpful.

Full benefits. Please [email us](#) your resume and salary requirements, fax 401/783-4494 or mail to 521 Liberty Lane, West Kingston, RI 02892. Josh Bouvier.

## Experienced timber framer.

We need an experienced timber framer to work in a hand-cut-only shop a drug-free facility in the N.C. mountains. Large radiant floor heated shop. Cabin Creek Timber Frames, Franklin, N.C. Call 828/369-5899, or email [Joe Bell](#).

## HOPE team crew leader.

As a leader of the Melrose, Louisiana, African House Hands-On Preservation Experience (HOPE) crew, you will supervise and assist 6 young apprentices restoring the timber-framed roof of the historic African House. The project starts with a 4-day timber framing workshop that begins on February 9. Attendance at the 4-day workshop is negotiable. The 8-week project will begin February 18 with intensive training including axe work, conversion of raw log material into timbers, and other hand work.

Required are basic carpentry experience, leadership skills, and a strong interest in timber frame construction and historic preservation. Attention to detail, quality craftsmanship, and clean driving record, plus abilities to follow instructions carefully, lead a team, use power tools, and work in high spaces are imperative.

Desired applicants for crew leaders will be at least 21 year old.

Crew leader pay is a bi-weekly stipend of \$730. [Visit link](#) for more information! [Erica Keller](#), 512/375-1294.

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## Hundegger operator.

Hundegger K2i machine operator required in Denver, Colorado, for a 3–6 month contract starting February 16. Opportunity of a lifetime to work on the largest timber frame project in America. Must have 5 years experience running K2 and/or K2i machines on EKP (no Cambium experience required). Some late shifts required. Competitive pay, accommodation provided, free ski pass. Please reach [Justin Wessels](#) or call 720/407-7760.

## Itinerants.

Seeking several experienced itinerant timber framers to help cut 3 frames designed by Collin Beggs. Cutting should last about 4 months starting in April. Heated workshop setting on a farm in Joliet, Illinois. Industrial fans for warmer weather). Raising will be at another location. Must have or be willing to get own insurance. Email [Brad Baber](#) or leave me your contact info at 815/723-2619.

## Journeyman-level carpenter.

Trillium Dell Timberworks seeks a journeyman-level carpenter (5 yrs experience). Must have knowledge in square rule, scribe, and mill rule layouts, roof carpentry, and cutting simple and complex joinery with hand and power tools. Barn restoration a plus. Able to work alone, read and check plans, work accurately, organize, drive a forklift, load/unload timber, have your own hand tools, travel. Project/people management a plus. [Rick Collins](#), 309/221-8020.

## Journeyworker and apprentice.

Hardwick Post & Beam, a hand cut timber shop working in a variety of contemporary and traditional architectural and structural styles in Hardwick, Mass., seeks two timber framers—a journeyworker and an apprentice. We are a family company that has kept crews cutting and raising frames year round for more than three decades. We hire for the long term and we seek that magical trifecta of great attitude, smart layout skills, and the capacity to do physical production work. If you want to spend every day cutting frames from new and reclaimed fir, oak, cedar, hemlock, and pine and then raise ‘em and see those glorious shapes against the sky, check us out! If you mostly want to slap up SIPs, travel full time, run a CNC machine, do general construction, or think timber framing would be a great hobby, we’re probably not for you. Full job description [here](#). Message me [here](#). Talk soon! Newell Pledger-Shinn, 413/477-6430.

## Timber framer.

Custom Timber Frames, a well established company, is opening a new shop in Madison, Wisconsin. We seek a timber framer. Must have knowledge of timber framing layout, cutting joinery with hand and power tools, and general carpentry. Must be able to work independently and accurately. Team and goal oriented. Some travel required. Please email your resume to [Doug Beilfuss](#), 608/287-9033.

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# NOTICES



## Two positions.

Holder Bros. Timber Frames in Monroe, Georgia has two open positions—carpenter and shop foreman. Requirements for carpenters include a positive attitude, the ability to accurately lay out and cut timbers from shop drawings on day one, and the ability to perform in a production environment. The shop foreman will manage all carpenters and supervise shop production, including timber frames, doors, and windows. Duties include scheduling shop flow, laying out timbers, double-checking carpenters' layout, maintaining tools and inventory, meeting production schedules, and quality control. Must have management experience. To apply for either position, please reach [Whit Holder](#).

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