



SCANTLINGS

NEWSLETTER OF THE TIMBER FRAMERS GUILD
NUMBER 180 AUGUST-SEPTEMBER 2013

It's conference time!

WILL BEEMER

AFTER MONTHS of planning and countless hours of work by many volunteers and staff, our one and only conference of 2013 will unfold August 8-11 at Champlain College in Burlington, Vermont. There is still time to register at the last minute, although no more quad or single rooms are available at the college and some events may have reached capacity.

To help you plan (or to show those of you not yet signed up what you're missing), here's a final recap of the presentations.

The **Traditional Timberframe Research and Advisory Group** is headlining this year's event by organizing a historical track that includes:

- Friday tour of barns and churches led by **Eliot Lothrop** and **Jan Lewandoski**
- **John Poole**: Dutch influence on SW Connecticut timber frames
- **Philip Pierce**: Covered bridge challenges
- **Mike Beganyi**: Documenting historic buildings using SketchUp

- **Terry Necciai**: Pennsylvania barn and farm design
- **Dan Boyle, Jan Lewandoski, and Jack Sobon**: Regional timber frame typologies.

Other presentations have a historical theme but also get into the engineering and "how-to" of timber framing:

- **Eli Gould** and **Alex Wilson**: High performance historic retrofits
- **Janet Kane** and **Jan Lewandoski**: Engineering for historic structures
- **Peter Henrikson**: Norwegian *Grindbygg* timber framing
- More engineering and hands-on timber framing skills at Thursday's **Timber Frame Engineering Council** Symposium
- Scribe layout of natural forms (all day Thursday workshop) with **Josh Jackson**
- Stairbuilding with **Billy Dillon** (all day Thursday and Friday workshop)
- Chip carving with **Ellen Gibson** (all day Thursday workshop)

See Conference, page 3



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Newsletter of the Timber Framers Guild
Number 180 August–September 2013

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Founded 1985

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www.tfguild.org, 559/834-8453.

BOARD: Randy Churchill, president • Clark Bremer, vice president • John Mumaw, secretary • John Miller, treasurer • Mike Beganyi, Collin Beggs, Ellen Gibson, Gabel Holder, Adrian Jones, directors at large. **STAFF:** Susan Norlander, executive assistant/office manager • Erin Heidorn, office assistant • Susan Witter, *Scantlings* editor/web content manager • Marnie Jones, *Scantlings* assistant editor • Ken Rower, publications director • Alicia Spence, projects coordinator.

Scantlings, the member newsletter of the Timber Framers Guild, is published in every month except March, June, September, and December. **Next deadline: September 7.**

News contributions and correspondence: **Susan Witter**, editor.
2406 Williams St, Bellingham, WA 98225. 360/647-0310.

On the cover: gin pole photo by Grigg Mullen; Pennsylvania farm landscape from J.A. Caldwell's 1876 *Atlas of Greene County Pennsylvania*; Bartonville Bridge photo courtesy CHA Consulting, Inc.; stair photo by Billy Dillon; Lanesboro exterior photo courtesy New Frameworks Natural Design/Build, LLC; barn frame photo by Brian Malone.

LETTERS



Seasoning timber naturally

BEFORE THE kiln was invented, timber was seasoned naturally—by air and heat from sunlight—but industrialization has required things to happen faster and easier with the help of machines. In Africa, however, the process of industrialization is still very slow.

Lots of people still season wood naturally, since kilns are still very uncommon in most parts of the continent. My question is, why do some people still prefer naturally seasoned timbers?

Please send your responses to **my email**, or phone me in Cameroon. If the comments are interesting, I will summarize them for a later *Scantlings* article. Thank you.

Mbah Salle
237-74574152

Sustainable forest products

I AM the Forest and Stewardship Coordinator at a non-profit called **Land's Sake** in Weston, Mass. Currently, our forestry program harvests firewood from local forests, and we are exploring the possibility of producing local, sustainable timber or other forest products in the coming years. As part of this process I am reaching out to local contractors, builders, furniture makers, and so on to see if there is a market for this type of product.

I have already reached a number of timber framers, but would be very interested in hearing opinions from more of you on this subject. Thank you.

Aaron Lefland

Land's Sake Inc. Forest and Stewardship Coordinator
203/889-8854

MEMBER NEWS

Born.
QUINN SNOW MORSE was born on May 26 in Great Barrington, Mass., to Arin Willey and her partner TFG member Brad Morse. Everyone is happy and healthy, and Quinn is getting cuter by the day.



Conference, from page 1

- New, innovative joinery system for round timbers (logs) with **Rob Chambers**
- Raising a gin-pole with **Grigg Mullen**.

Those interested in design will want to attend:

- Half-day seminar on alternative enclosure systems with **Chris Carbone** (Bensonwood), **Jonathan Orpin** (New Energy Works), **Jacob Deva Racusin** and **Ace McArleton** (New Frameworks Natural Building), and **Tom** and **Ben Southworth** (Garland Mill)
- Thursday workshop on using SketchUp Pro and Layout with **Mike Beganyi**
- Friday workshop with **Clark Bremer** on designing compound roofs with SketchUp (advance registration required)
- Half-day seminar on Computer Aided Engineering software with **John Mumaw** and **Grigg Mullen**
- Drop-in plan review with **Andrea Warchaizer** and **Mike Beganyi**.

The business track organized by the **Timber Frame Business Council** (TFBC) includes:

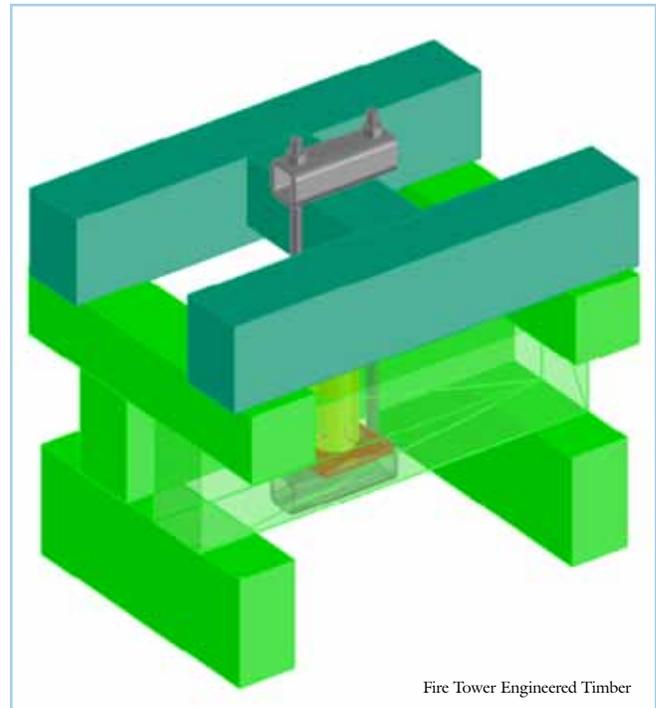
- **Deb Allen**: Generational communications
- **Amy Good**: Business roundtable
- **Adrian Jones**: Estimating for small shops
- **Al Wallace**: Marketing green
- **Sundeep Kapur**: Using social media
- **Rick Collins**: The Guild apprenticeship program
- **Brenda and Frank Baker**: Veteran Voices.

At right, a model of the Fire Tower Engineered Timber shear tension tester, which will be in use during the Joint and Beam Busting sessions in Burlington. In this image, the assembled test sample “H” is dark green, the test rig light green.

John Abrams from South Mountain Company will close our conference by “Wrestling with the Long Now.” This look to the future and the opportunities within will nicely round out our program, which also celebrates the history and roots of our craft.

For more details and a day-by-day breakdown of the schedule, please visit the Guild website (where you can also register if you haven’t already). This will be the only chance this year for you to get together with so many fellow timber framers, and we hope you’ll support your Guild.

See you in Burlington! ♦



New offerings, old favorites

IN ADDITION to the sessions described above, plan to enjoy additional popular events. These reinforce the camaraderie of our Guild and are, for many, the highlights of the conference:

- TFBC “**Bull and Beer**” reception on Thursday night
- Friday morning **Guild member meeting** and Saturday afternoon **TFBC member meeting**
- Friday night **slideshow**
- Saturday night **benefit auction**
- **Summer Beam Books Store**
- TFBC **trade show mixer** (Friday)
- **Tool swap**
- **Family Day** (Saturday) with events for kids—building toolboxes—and a small timber frame raising
- **Axe throwing** (thanks to The Wooden House Company and Garland Mill Timberframes for donating targets)
- Great food
- **Joint Busting**

Traditional Estonian log-building workshop

WILL GUSAKOV

PLEASE JOIN me at a ten-day, all-inclusive log building workshop in Mooste, Estonia, April 20–30, 2014. We'll learn traditional Estonian log-building by cutting and raising a traditional *suitsusaun*, or smoke sauna, an iconic form in Estonian vernacular architecture. We'll hear about the historical and cultural context of the craft, historic buildings, and restoration techniques. There's ample opportunity to expand the workshop curriculum: we can visit a nearby shop specializing in traditional clay and earth plastering, tour historic buildings or restorations that are underway, gather moss and learn about traditional insulation, or tour the workshops of local log-building companies.

Our hosts are [Vanaajamaja](#), an Estonian non-profit "dedicated to establishing training programs, disseminating information, and generally serving as a center of Estonian traditional building and log house renovation for the professional and general public alike." Andres Uus and Margus Palolill are teaching. They were our partners in 2012's Jaruska Bridge project.

Sightseeing and cultural excursions will be planned for evenings and weekends, including visits to open-air museums, the Jaruska covered bridge, and Pepsii Lake—the second-largest freshwater lake in Europe. There is also a major folk-music festival in town during the workshop, and we'll definitely be partaking.

Comfortable accommodations are available in the restored historic complex at Mooste Manor. The fare will be authentic Estonian home-cooked meals.

Cost is 950 euros (~\$1200), including everything in-country: transport, tuition, accommodation, meals. Space is limited to 12 people. Participants need not be professional carpenters, but a basic proficiency with hand and power tools is needed.

For more info, see my [website](#). If you have questions or would like to register, please call me (802/318-8664) or [email](#) me. ♦



College material

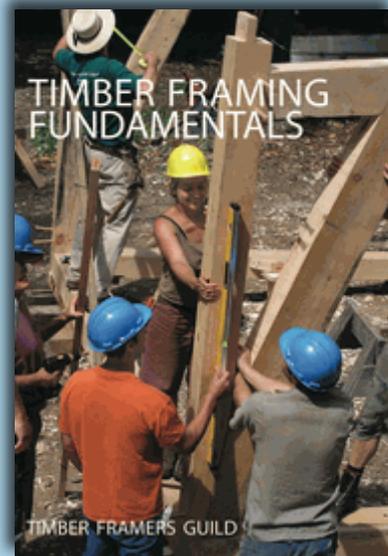
SUSAN NORLANDER

Algonquin College, in Ottawa, Ontario, has selected the TFG book *Timber Framing Fundamentals* for a class textbook in their [Heritage Carpentry Program](#). Ken Rower, editor of the book, commented, "Glad to hear that any college has a heritage carpentry program and equally pleased that the collected experience of Guild members can be of service."

We have shipped 35 copies to the Algonquin College bookstore. *Timber Framing Fundamentals* is available through the [TFG webstore](#), or by calling the TFG office at 559/834-8453. \$40.



Algonquin College



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Directors' strategic plan

MIKE NIZANKIEWICZ

OVER A career of 40-plus years in non-profit organization management, I have attended roughly 1,000 board meetings. Yes, that number is correct: over a thousand. I've attended as a staff person, executive director, consultant, board president, or board member.

The face-to-face board meeting of the Timber Framers Guild on June 30 and July 1 was very near the top of all the board meetings I've attended, in terms of participation and productivity. All members of the board were present and fully engaged in charting the direction of the TFG.

For starters, the board developed a strategic plan that includes four key goals:

1. Increase participatory membership
2. Improve educational programming
3. Increase collaboration
4. Increase non-dues revenue.

In addition, the board of directors continues to look at the financial stability of the organization. They are vetting and analyzing proposals from a number of association management companies that might play a key role in handling the day-to-day operations of our organization, including executive leadership and management (see the [Association Management Institute](#)). These organizations can bring a wealth of experience in fundraising, organizational leadership, membership marketing, accounting, and so on, to our Guild—areas that are critical to the long-term health of any organization and that have historically been a weakness for a group of our size.

Each of the above goals includes a subset of objectives that are specific and measurable, and each has a target date for completion. While the objectives are still in fine-tuning, the entire plan will be unveiled at the August conference in Burlington, Vermont. The board also discussed specific criteria for successful service as a director. Adrian Jones is currently in the process of developing those criteria.

What was most evident to me in this two-day period was the deep commitment this board of directors has to the mission of the Guild and to the collective success of all its members. ♦

Southeastern regional meeting

STEVE MORRISON

We have another southeastern regional meeting in the works. It will be hosted by [MoreSun Woodworking](#) and [Whetstone Designs](#) in Long Creek, South Carolina, on November 2. This one-day event is still in the planning phase, but here are some things we are looking at: architectural photography, joint busting, business discussion, axe throwing, stump, slide show, BBQ, beer, and music. More info to come as the plans develop. We'll keep you posted!



APPRENTICE LOG

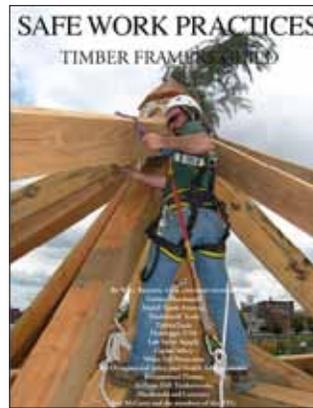
The ripple effect

GABEL HOLDER AND ISAAC MCCOY-SULENTIC

WHILE THE Apprentice Training Program (ATP) offers a lot of benefits to the registered journeyworkers and apprentices who fund the program, many of us don't realize the extent to which the program's undertakings spill over into the rest of TFG activities and how that benefits all Guild members. Here are a few examples of this ripple effect.

Teaching materials for you

The Apprenticeship Training Council (ATC) is well into the work of turning the apprenticeship curriculum outline into actual documents that anyone can use to increase their knowledge and improve their skills. This is a huge undertaking—we are creating a comprehensive set of teaching materials and assessments for our trade. So far we have one section complete (Safe Work Practices) and it is available through the TFG store for all to buy and use. If you haven't seen this book, I recommend picking up a copy. It is a great value and is full of timber framing specific safety materials that simply aren't available anywhere else.



Safe Work Practices, a 100-page book produced by the Timber Framers Guild (and part of the apprentice curriculum), explains OSHA standards specific to timber framing, especially height safety and fall protection. You can purchase it from [the TFG store](#).

Develop curriculum, for pay

We are in the process of doing this same thing for each of the other 15 sections of the curriculum outline. Our goal is to have this effort largely complete by the end of 2015. Thanks to our dues paying journeyworkers and apprentices, we are able to pay curriculum developers to create this immensely important resource. Are you interested in taking on part of it? You don't have to be a professional educator: many of those involved are Guild members willing and able to pitch in. For more information on how you can help with this, see the [Curriculum Developers Guide](#).

Presenting curriculum at conferences

As part of our effort to develop the apprenticeship curriculum into completed documents, we have been identifying and recruiting presenters for conferences to develop

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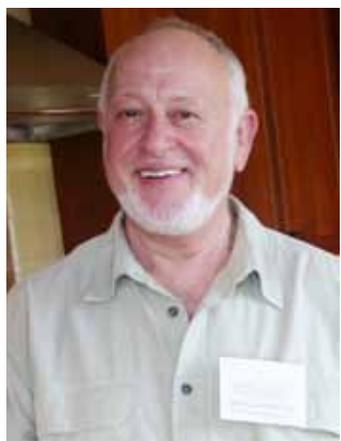
materials for specific curriculum topics. A few examples of these topics from the last few years include estimating, project management, developed drawing, crane signaling, safety, timber framing history, stair building, timber grading, and others. We will continue to recruit presenters for high quality professional development topics at future Guild conferences.

Supporting project workshops

This September, the Guild will run a Timber Framing Fundamentals workshop at the **Vicksburg Community Pavilion Project**. In another first, the ATC is providing the study guides and lesson plans for this workshop. This is a great opportunity for beginning timber framers to learn basic skills in structured format while in the middle of a TFG project—which many of us know can be an exhilarating, exhausting, wonderfully affirming real-life example of what happens when craft serves community and community supports craft.

Conference help for future apprentices

Guild member and longtime supporter Jack Costantino has donated two free conference registrations that the Apprentice Training Committee (ATC) coordinated. One was offered to industry through the Timber Frame Business Council (never been to a conference, in the industry two to five years), and the other to a list of 70 people we call “the interested,” who have registered their names through the Guild Apprenticeship webpage. These folks have varied backgrounds: some with carpentry experience, some in related fields like forestry, and others with education or training entirely unrelated to building. The ATC has found work for several folks from that list, one of whom has become an apprentice at Trillium Dell Timber Works.



Davis Frames
Jack Costantino.

To designate the winners of the free conference registrations, we held a random drawing of names, cutting a deck of cards to select names. The two lucky people are Mike Tebaldi from western Mass. and Jon Pease from New England Barn Company, N.H.

Thank you, Jack, for all you have done as well as for this instance of your generosity.

These are just a few of the ways that the ATP is helping to further the mission of the Guild by creating or enhancing learning opportunities for all TFG members. Feel free to **reach us** with any questions about these efforts or the ATP in general. ♦



ECO-LOGIC

A convenient disconnect: When heritage matters

AUSTIN PARSONS

OVER THE 2013 Canada Day weekend, the St. James United Church in Spry Bay, Nova Scotia, was rededicated as a Halifax Regional Municipality heritage site. It was a day when we celebrated the community work done to rehabilitate the long vacant church. Several generations of different families representing the original builders and worshipers, as well as those involved in the rehabilitation work, gathered to share stories about what the church meant to the them and understand the effort it took to bring the church building back to where it is today.

Along the way, I came to realize how a nondescript building can bond the ghosts of a community past, and in turn save its memory. Heritage buildings can be about significant architecture, but they can also be about what the buildings meant to those who used them. At the end of the day, a building needs a champion to survive. The reasons that motivate a champion are as different as the number of buildings themselves. The common denominator is that some one, or some group, thought the building was worth saving.

What follows is a story about people, a building, and the relationship between the two. Although this is a significant story and one worth studying to understand its lessons, what is most germane is that in addition to the sustainability arguments about why buildings should be saved, there is also a human component to the argument. At the end of the day, it is the human social reasons that may be the most ecologic.

Spry Bay is on Nova Scotia's eastern shore. In its day, it was a working coastal community with its own lobster cannery, schools, merchants, and churches. Today, it is a sign on the highway with a few homes scattered along the coast. Most of its residents are "summer people"—people who grew up in the community, moved away after high school to a different life, retired, and now go back to their family homes over the summer. As you would guess, the community is now held together by its collective store of memories and a desire to honor them.

St. James' first service was January 24, 1874. Apparently, it was built twice. When it was mostly complete, the structure was blown down in the Great Nova Scotia Cyclone of August 1873, and it was then rebuilt that fall.

The church was built with the monies from community families. Each family bought a pew. In a time when a fisherman got 1 cent per lobster, some families paid \$25.00, others \$50.00 or \$100.00 per pew. Their great-grandchildren still remember what they paid.

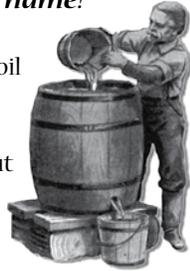
It was first a Presbyterian church, then United Church. It served the community for more than 80 years

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before it was deconsecrated in the 1960s. It is a nondescript building, and by some measures, it wasn't long in the community. Its most obvious character-defining elements are its belfry and windows, and they aren't special. Its architecture isn't what matters, nor does its time in service. What matters is its heritage. It was a spiritual beacon for several generations. It was the place where people were christened, married, and buried. It was the place where the community gathered every Sunday not just to worship, but also to gossip and get caught up.

As the people left the community, the church lost its purpose. But the people didn't lose their memory of the place. For lack of a better description, the building was abandoned for a time. What saved the church from the wrecker's ball was a past parishioner's action. On his own initiative, he applied to have the building designated as a municipal heritage property. Now, for better or worse, this act made people think about what they had and develop measured actions.

Last Sunday, in the pews were the great- and great-great-grandchildren of the ones who initially bought them. On this day, the bond to the building was re-connected.

I work with buildings. Most times, they are just a collection of materials. I work on them, get paid, I move on. I started this way with St. James. My connection with the building was the windows. Parsons Lumber Company Limited was responsible for restoring its sashes, fabricating storm windows, and making a storm

door. Because of this work, I was invited to the rededication ceremony. As such, I took pride in what we did and was glad to be invited. But it was a craftsman's pride, similar to the pride you take in your work.

I understand that people can have different types of connections to buildings from the ones I have. The Spry



St. James United Church Heritage Society

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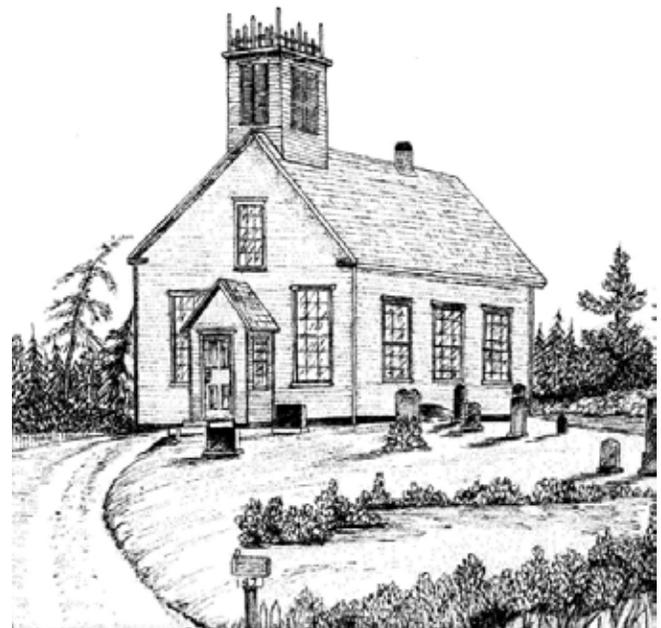
Bay community's connection to its church isn't selfish, based on ego or personal ownership of one kind or another, but one based on community spirit. It is a connection based on what the building represented to the families in attendance. It is a connection that made people want to bake cookies, preserve cucumbers, and spend time in countless meetings to raise the money needed to restore the building.

In one sense, the church is like every other small community church in North America, where the population has left and the building has no purpose. Often, the building is demolished or sold off and used for a storage barn. The difference with St. James is that its people didn't forget what the building meant to their forefathers or to them.

This story isn't typical. When dealing with a heritage building, I rarely see this much of a connection to the building. Most times, people are more distant in their relationship to the building. For them, there is a disconnect. This is perfectly understandable. But what is rare in this story is that a building bound a group together, much as it did when it was a church.

In an earlier *Scantlings* article, I talked about how a building can make an individual more community-minded. Here is an example of how a building can make a community more community-minded. In both cases, it is the nonrational that has driven the process.

In some way, this aspect of the human spirit is not unlike what I see in the Guild. The Guild is driven by principles of business, engineering, craft, and sustainability, among other tangibles. It is also a community of people brought together by buildings. It also has a passion that some would consider nonrational. It is this passion that drives a good deal of the decisions.



Linda MacDonald

A rendering of what the church might have looked like when first built.

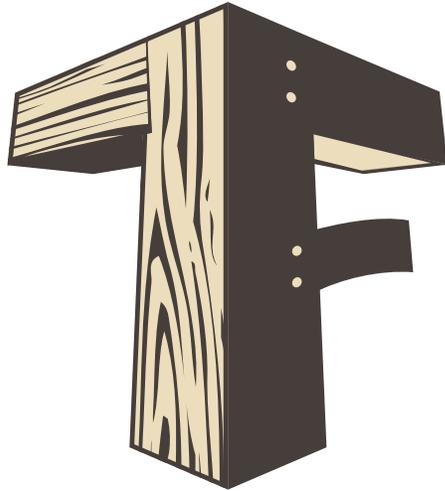
In a time when a number of communities have lost their connections to their buildings, and by extension their heritage, it is refreshing to witness a case where this hasn't happened. The connection between the building and the people began with those who have long since passed, and continues with those who haven't used the building in almost two generations. Upon reflection, I realize that the ceremony showed me how a building can become more than wood and plaster to the people who use it. A person can love a building, and a community can too.

An interesting lesson learned because heritage mattered to a few. ♦



St. James United Church Heritage Society

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Below: Tumblebug fire salvage,
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Wason monument



Darrell Quinn



THE DELIGHTFUL Wason Covered Bridge was a Timber Framers Guild project in 2011, created and developed by Joel C. McCarty with Alicia Spence as Project Manager. The community acknowledgement is carved in stone.

NOTICES



Notices are for one-time events and offers, and they run free to Guild members for two issues per year. The cost to non-Guild members is \$60 per notice per issue. A notice, whether free or paid, runs for a maximum of two issues. Notices are intended for onetime events and offers; appropriateness for inclusion is decided by the [editor](#).

for sale

Lifetime work and play.

Job site dogs want lifetime positions for work and play. Australian Shepherd puppies: I have both parents and I raised the five preceding generations. Smart, trainable, protective, active athletes. ASCA registered, health guaranteed, full tails (no docking here), predictable temperaments, 45–70 lbs. when full grown. Will work sheep, cattle, fowl, children, Frisbee, and geometry. Great partners who will love you and your family 24/7.

Good in trucks, on the farm, and in the home. They have genetic exemptions from OSHA regs, but booties are available for demolition and rescue work. My Aussies have prevented deer from EVER getting in my garden. Occasionally I have adolescent and adult dogs available, house broken and socialized. For basic info and lots of fun pics see [karriaussies](#). Air freight or personal pu/delivery available. [Steve Miller](#), 914/763-3078 (N.Y.)

help wanted

Call for contributors.

The TFG Apprenticeship Training Committee continues to develop related training and other areas of the apprenticeship curriculum. We actively seek people knowledgeable in specific areas: we need your help.

We offer compensation for author-creators who provide content that meets the specifications in the [curriculum developer's guide](#). This is your chance to help advance this program and ensure that the knowledge and experience you have gained over the years can be passed on to those committed to learning the timber framing craft.

If you're interested, please tell [Curtis Milton](#), 2013 ATC Chair, 603/387-6770.

Carpenter.

[South Mountain Company](#), Inc., an employee-owned architecture, building, and renewable energy firm on Martha's Vineyard, is looking for a qualified carpenter to join our company—someone passionate about carpentry and building who wants to team up with a progressive company. Training, skill, 5+ years of experience, and the ability to work well with others are essential. Also important are computer skills, written and verbal communication skills, and project management potential.

If interested, please reach [John Abrams](#) and tell us why you may be the right person for the job. Be sure to attach résumé and references.

help wanted, continued

Journeyworker or apprentice carpenter.

Uncarved Block (western Mass.) is seeking a journeyman (ideally) or apprentice level carpenter. We do not cut timber frames exclusively; we do mostly turnkey projects. There is the potential for you to be in the TFG apprenticeship program, as I am a TFG timber framer. Visit www.uncarvedblockinc.com and send me an [email](#). Brad Morse.

item sought

Circular saw.

ProTool 16½-in. circular saw. Motor needs not run as I will convert to air. John Henry Yoder, 440/636-5827.

work wanted

Seeking employment opportunities.

Recent graduate, MS degree in structural engineering and wood science, curious about employment opportunities at Guild-related companies. I have a specific interest in wood design and timber frame structures but am interested in a wide range of structural engineering and design applications. I have experience as engineer and as a timber frame carpenter. Searching for the right fit. Résumé available on request. Thank you. [Brian Malone](#), 802/598-6028.

GUILD MEMBERS: you may place two free notices per year! Email susan@mysoundideas.us to submit your onetime event or offer.

Timber frame shop for sale

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EVENTS



These listings are for Guild workshops and meetings, were submitted by Guild members, or announce other relevant events.

Guild events

2013 TFG-TFEC-TTRAG Conference Aug 7–11, Champlain College, Burlington, Vt. (See [page 1](#))

Southeast Regional Meeting Nov 2, Long Creek, S.C. (See [page 5](#))

other events

Econest

Intensive Sep 9–26

Timber framing Sep 9–13

Natural plastering Sep 20–21

Nesting instinct Sep 14

Clay/fiber walls Sep 16–19

Roof construction Sep 23–26

Ashland, Ore., Robert Laporte, www.econest.com, 541/488-9508.

Fox Maple

Timber framing Aug 3–11 (Brittany, France)

Intro to timber framing Sep 2–7

Advanced timber framing Sep 9–14

Brownfield, Maine, www.foxmaple.com, 207/935-3720.

Heartwood School

Timber framing Aug 19–23

Traditional gin pole raising-rigging / Grigg Mullen Aug 5–6

Scribed timber framing Aug 26–30

Timber frame design and joinery decisions Sep 5–7

Compound roof framing Sep 9–13

Stairbuilding Sep 30–Oct 4

Home design for owners and builders Oct 21–25

Washington, Mass., Michele Beemer, www.heartwoodschool.com, request@heartwoodschool.com, 413/623-6677.

Hidden Valley Nature Center

Timber frame starting with standing trees Sep 26–29

Jefferson, Maine, hvnc.org, 207/200-8840.

other events, continued

Festival of the Axe

International Axe Festival Aug 8–11

Zorkaltsevo village, Tomsk Oblast, Russia, plotnik.tomsk.ru.

Island School of Building Arts

Log building Sep 2–27

Timber frame post and beam Sep 30–Oct 25

Timber frame bents Oct 28–Nov 22

Gabriola, B.C., isba.ca, 250/247-8922.

Natural Cottage Project

Building a cob-timber cottage Sep 28–Oct 11

Woodbury, Tenn., Sarah Highland, www.naturalcottageproject.com, 607/272-3475.

North House Folk School

Timber frame: build your own, larger frame Aug 15–26

Grand Marais, Minn., www.northhouse.org, 888/387-9762.

Rocky Mountain Workshops

Cruck framing / Jack Sobon and Neil Godden Aug 17–25

Mastering the basics of square rule timber framing / Skip Dewhirst and Chris Drake Sep 15–21

Colorado State University Mountain Campus, Pingree Park, Colo.

Peter Haney, www.rockymountainworkshops.com, 970/482-1366.

Sobon-Carlon

Traditional timber framing / Jack Sobon and Dave Carlon Sep 25–29

Hancock Shaker Village, Mass., Jack Sobon, jacksobon@verizon.net, 413/684-3223, or Dave Carlon, dcarlon01@aol.com, 413/634-3612.

Yesterday Design/Build School

Undergraduate semester in sustainable design/build Aug 18–Dec 6

Timber framing Sep 29–Oct 5

Traditional hand-tool chairmaking Oct 6–11

Warren, Vt., www.yesterday.org, 802/496-5545.



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