

# SCANTLINGS

NEWSLETTER OF THE TIMBER FRAMERS GUILD  
NUMBER 187  
JULY 2014

## 2014 Conference update

WILL BEEMER

There have been a few changes and additions to our 2014 Conference schedule—[see the conference webpage](#).

The Timber Frame Engineering Council (TFEC) has added a member meeting that is open to all on Sunday morning, Aug. 10, 8:30–9:30 am. If you are curious about what the TFEC does or interested in joining the group, please stop in.

Continuing Education units (CEUs) are now available from the American Institute of Architects for many of the sessions and pre-conference events. CEUs are required each year for architects, engineers, building officials, and others to maintain their licensure. Thanks to the Timber Frame Business Council (TFBC) and their executive director Pam Hinton for obtaining these CEU approvals for us. You can see which sessions qualify for these credits by looking at the presentation details at the Guild website [here](#).

On Saturday afternoon, Aug. 9, 1:30–3:00, Mike Beganyi and Clark Bremer will lead a computer-aided design panel presentation that will include users of Cadwork, Dietrich's and hsbCAD software specifically designed for the timber frame industry as well as SketchUp. If you would like to know how these programs differ and their relative strengths and differences, this session is for you.

Based on their enthusiastic success at last year's Burlington conference, we are planning some member working group sessions to address current issues within the Guild. We are well on our way to recovery after a tough couple of years, and many members looking

to help can take part in these sessions to make sure our progress continues. Because of these sessions (yet to be scheduled) and the many other activities already planned, we have decided not to hold the Timber Olympics or axe throwing at this year's conference. There will still be joint busting and many outdoor demonstrations, including hewing, sawmilling, and shipbuilding. Don't be surprised if a few impromptu skills contests occur that will serve as preliminaries for a later, more organized Olympics.

On Saturday afternoon at 3:30 there will be an update on a keystone of the Guild's mission: the Apprenticeship program. This session, led by Curtis Milton, will include:

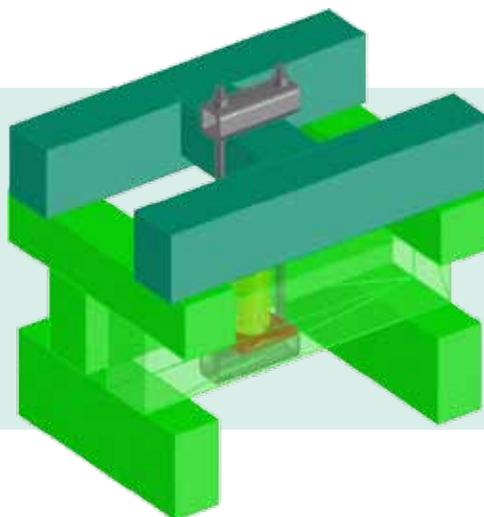
- A brief history of the program from concept to reality
- An introduction to current Journeyworkers and Apprentices
- Rick Collins' slide show and summary about employer experience with the program to date
- Curriculum development: past, present, and future
- Understanding the self-assessment tools
- Existing educational opportunities to fill in skill sets
- Finding employment
- Development of the program in Canada
- Questions and answers

An updated conference schedule, along with details of each session and registration information, can be found online. It's going to be a great conference, and we hope to see you in Manchester.

### Shear testing in Manchester

The specs are set for the shear testing session at the August TFG conference in Manchester, N.H. After last year's unexpected launch of a timber, the shear tester has been improved and the FTET engineers are slightly humbled. Want to take part?

[Read more.](#)



Fire Tower Engineered Timber  
Axonometric view of the tester and sample. Test sample is depicted in evergreen, sits on top of tester, and is pulled down against light green reaction beams.

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*Scantlings*, the member newsletter of the Timber Framers Guild, is published in January, February, April, May, July, August, October, and November. **Next deadline: July 10.**

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

## LETTERS



### American barn stories

Hello, from Wisconsin. I am producing a new episode of my PBS series American Barn Stories. To do so, I'm seeking **crowd funding**. I would be grateful for the help of anyone who is inclined to support my effort.

Thank you.

**Tom Laughlin**

### Seeking timber engineering work and mentor

Timber frames always put some light in my eyes. The combination of traditional techniques and latest technologies is pushing the boundaries of wood structures. I believe high quality design and engineering lead to simplification and cost effectiveness that enhance the sophistication of the frames.

I take the time to make sound engineering assumptions. I work hard on cleaning my structures. I refine structural connections for performance and appearance. I experiment with new procedures to improve the speed and efficiency of my engineering. I meet engineers, contractors, and suppliers to exchange ideas. I follow the news on the latest in wood construction.

A veteran of the Pemberton project and a newly-joined Guild member, I am in the middle of my professional engineering registration process. I'm looking both for project-based work and a mentor. If you need help on a big job or you are expanding, might you need a casual experienced mentee to offload some of your work? I wish to expand and share my knowledge and to work with a mentor who might share advice and knowledge, provide guidance, and help me obtain my P.Eng. certification. Based in Whistler B.C., I find that video calls and screen share are easy now via internet, and I am happy to travel if necessary. With my six years of experience, I look forward to qualifying myself to work on heavy timber engineering.

Thanks for your interest.

**Adrien Benech**  
604/698-9486

## A "joint" event

RUDY CHRISTIAN

A unique timber frame structure, built onsite during Penn State's **Ag Progress Days**, Aug. 12-14, will be part of Penn State's **Pasto Agricultural Museum** annual silent auction.

The large-shed-sized building will be constructed using historic methods and traditional tools during the show by a team of craftsmen in a demonstration area near the museum at the top of Main Street on the Ag Progress Days site.

The team, led by Guild member (and former TFG director and president) Rudy Christian, of Burbank,

*See Joint Event, page 7*

# Richard W. Babcock, 1934–2014: in memory

JACK A. SOBON

I am sad to report the passing of a legend in the barn business. Richard Warren Babcock of Hancock, Massachusetts, a man often referred to as “Mr. Barn,” passed away May 17 at the age of 79. His last few years were spent at a home for the aged as he suffered with Alzheimer’s disease.

Richard was a remarkable man. Though quite rough at the edges, he possessed a charisma and charm that engulfed everyone who met him. His love for old barns and barn lore shone through his rough-hewn exterior and if you spent time with him, you too would become infatuated with barns.

After a stint with the Marines in the Korean war, he did some farming and worked in the construction business with his grandfather Clayton Babcock. His barn-moving career started in the late sixties when he was asked to take down an old barn and put it back up on another site to become a ski lodge. The timbers were raised by hand with a gin pole, a device he often employed throughout his long career. As his business developed into Babcock Barn Homes, he took on a crew of some of the most incredible characters I have met in my life, as well as his five strapping young sons. He was an accomplished mason as well, building fireplaces for the barn-homes he built.

By the late seventies, when I worked with him, his company had matured and he was involved with several important barn projects: The Barns at Wolf Trap in Vienna, Virginia (see sidebar), the Dutch barn at Phillipsburg Manor in Tarrytown, New York, and the barns at the Macomber Farm and Education Center in Framingham, Mass. He also opened his own “Babcock Barn Museum” on his property along Kinderhook Creek in Hancock. There he erected barns

*See Babcock, page 4*



Jack Sobon

Richard standing next to an 18-in.-wide post in a Dutch barn in 1982 near the Mohawk River in New York State.

## About the Barns at Wolf Trap

Made up of two adjacent 18th-century barns, The Barns at Wolf Trap, Vienna, Virginia, are a gift from Wolf Trap’s founder, Catherine Filene Shouse. In 1981, impressed by the acoustical quality of a wooden barn in Maine, she commissioned Richard Babcock to restore and rebuild two barns on their present site using only the 18th-century “block and tackle” methods, gin poles, ropes, and manpower.

The larger of the two barns, the German barn serves as the theatre, seating 284 on the threshing floor and another 98 in the hayloft. A unique feature of this barn, built around 1730, is the swing beam. It enabled a team of horses to be



courtesy The Barns at Wolf Trap

Raising a barn at Wolf Trap.

turned around into their stalls without obstruction and provided additional support for an extra hayloft above.

The other barn, of Scottish design, was built about 1791. It serves as a general reception area, preserving the tradition of the barn as a site of social gatherings and community functions.

The Barns at Wolf Trap is now owned and operated by the Wolf Trap Foundation, a nonprofit organization established by Congress. A year-round facility with

performances during the fall, winter, and spring, The Barns is also the home of the Wolf Trap Opera in summer.

*Excerpted from the Wolf Trap website.*

### *Babcock, from page 3*

from different periods and ethnic origins, including a beautiful Dutch barn from Saratoga, N.Y., having 12 x 24-in. anchorbeams. Inside was a functioning all-wood apple grinder and cider press. His centerpiece barn was consumed by fire in 1992 as was a supposed pre-Colonial French barn stored inside. This barn, Richard contended, was built as a forest chapel to accompany an early French fort built along the Hoosick River near Hoosick Falls, N.Y., around 1540, which created quite a stir among the historians at the time.

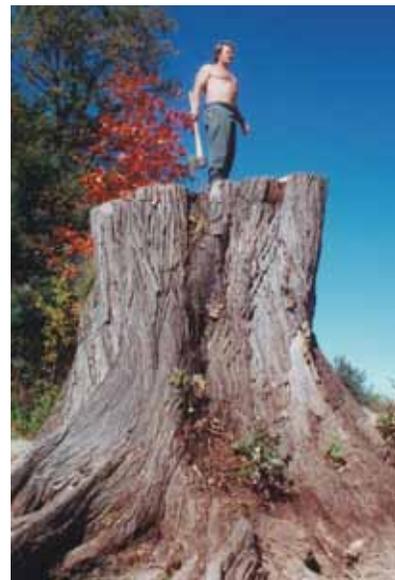
Richard always did historical research on the barns he was involved with, spending countless hours at local registries of deeds and state archives. He never finished high school, but he never stopped learning, and to him no task was too daunting. (Though there was evidence for the fort, there wasn't a solid connection between the barn and the fort.) In later years he confided to me that the barn was probably a late-18th-century structure of English or German origin built as a barn. "But look at all the interest I generated," he added.

Richard was no stranger to the press. It seemed he was always appearing in newspapers and magazines and even on television. He always promoted the craft as well as himself. I remember showing him the remains of what was once the nation's largest American elm tree, in White Creek, N.Y., in 1979. It was a stump 10 feet in diameter and 15 feet high with magnificent fish-tailing roots. As he marveled at it he said, "I'm going to dig it up and move it to my museum!" I remember thinking him crazy at the time, yet after several days of hand digging around those roots and under that behemoth, jacking it up, and moving it on a low-boy trailer, that stump sat proudly at his museum. And of course the press followed that stump on its journey.

The barn-building craft never had a better promoter than Richard. He was always doing slide shows for local historical societies, cutting joints and hewing timbers at historical fairs, or raising up a gin pole to demonstrate lifting timbers (or sometimes children). Though I don't believe he ever belonged to the Guild, he was a speaker at the Guild's second conference in Marlboro, Vermont. In 1996

he co-authored *Old Barns in the New World* with Lauren Stevens and self-published many others, including *The Barns at Wolf Trap*, 1982, *Barns of Roots America*, 1989, *Barns in the Blood*, 1993, *Barns Researched, Restored, and Resurrected Using Ancient Methods*, 1998, and *Barns Whose Roots Run Deep*, 2004.

Richard touched and inspired many in his life and had a profound influence on this author's career as well as those of Paul Martin of Vermont Timber Frames, David E. Lanoue of Stockbridge, Mass., and of course his sons. Four of them—David, Clayton, George, and Ronald—are still active in the craft.



Jack Sobon

"Mr. Barn" strikes a pose on the giant elm stump in the Fall of 1979.

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## Welcome, new members

Greetings to these new members of the Guild. Several of them have joined as a result of our projects this year. We hope you all find further useful resources as a result of your membership—conferences, regional meetings, publications, training opportunities, apprentice opportunities, and the chance to connect with others who love timber framing.

Joe Aiello, Lawrence, Mass.

Trent Allen, Kimberley, B.C., Canada

John Arnoldussen, Knoxville, Ill.

Wade Austin, Decatur, Ala.

Adrien Benech, Whistler, B.C., Canada

David Boulding, Port Coquitlam, B.C., Canada

Matthew Buchsdruecker, Duncan, B.C., Canada

Travis Chapin, Bowling Green, Ohio

Darrell Clark, Calgary, Alb., Canada

Robert Clay, West Mifflin, Penna.

Samuel Coad, El Prado, N.M.

Arnoud de Bruin, Bragg Creek, Alb., Canada

Scott Densmore, Whistler, B.C., Canada

Carl Evans, Wrentham, Mass.

Corinne Friedman, Scottsdale, Ariz.

Lauren Goldrich, Northampton, Mass.

Craig Goodman, Whistler, B.C., Canada

Tom Guenther, Lake Country, B.C., Canada

Jason Hammer, Gloucester, Mass.

David Helton, Carlton, Ore.

Ethan Higgins, in transit

Matthew Holland, New Milford, Conn.

Roland Honsek, Okotoks, Alb., Canada

Erica Izor, El Prado, N.M.

Eric Johnson, Queensbury, N.Y.

James Johnson, Epping, N.H.

Arnold Jones, Ashfield, Mass.

Daniel Katz, Needham, Mass.

Eileen Keenan, Vancouver, B.C., Canada

William Laidlaw, Florence, Mass.

Thomas Levens, Dallas, Texas

Ziggy Liloia, Berea, Ky.

Clay Mitchell, Monte Vista, Colo.

Marshall Netherwood, Calgary, Alb., Canada

Karl Ohly, Waterford, Ohio

Craig Orrett, Owen Sound, Ont., Canada

Fred Provost, Pemberton, B.C., Canada

Werner Richter, Qualicum Beach, B.C., Canada

Raymond Robbins, Mifflinburg, Penna.

Ridgway Shinn, Hardwick, Mass.

Everett Skinner, Stafford Springs, Conn.

Scott Walker, Lock Haven, Penna.

Tucson Zoll, Nakusp, B.C., Canada



## The freight train

RICK COLLINS

It's a freight train. You can't stop it. Rules, red tape, and layers of bureaucracy obfuscate the process. The layers upon layers of individuals who are asked to make decisions (and who aren't educated to be responsible stewards) seem endless. The Originator of the design becomes the godhead. Everyone along the way nods; some are active participants and even co-creators of the mirage. It's group delusion, or perhaps a collective obsessional behavior. The process is often fear-driven: people afraid to voice an objection that would in other circumstances be reasonable. The process is driven by lowest common denominators and in observance to the demands of the Originator.

"It's in the drawings. That's what we are going to do." How often have you heard this? To my chagrin I have said it, observed it, and implemented it myself. It's a mantra, really, and it becomes dogmatic. The Originator creates a Doctrine that all must adhere to without question or suffer punishment and torture. Punitive measures are clearly called out in section (C) 5.32, page 485. A third party, the Enforcer, carries out the Doctrine and must swallow it whole. The Enforcer's sole interest

is in completion, ahead of schedule and without changes regardless of real world results and actual long-term viability. Completion is only reached insofar as the Doctrine has been faithfully implemented. The Owner is in turn placed on a pedestal and can't be bothered with details. And yes, in order to request this information you will need to fill out Form 34(c), sign it in triplicate, and fax it to these ten individuals for approval. Your request for information will be processed immediately in the next three to ten business days.

Our recent progress in building sustainable structures is simply being negated by the method by which projects are implemented. Our system is so cumbersome that the ability to make good field decisions is lost almost entirely. I use the term recent to frame our century-long recuperation from poor construction decisions that began with use of Portland cement in the nineteen-teens and hit a new low with the world of vinyl siding. The last 20 years have seen a fantastic resurgence of greener materials that had been the norm in construction for thousands of years. Also, we have seen an upswell of interest in the traditional trades.

*See Eco-Logic, page 6*



Wikimedia Commons / Adityamadhav83

*Eco-Logic, from page 5*

I propose that the method by which projects are implemented today is the single greatest threat to building long-lasting buildings. When design and implementation are carried out by individuals with little or no knowledge of the material they are working with, we are creating a recipe for poor buildings. There is a prevalent attitude, and I don't believe for a second that it's just in the U.S., that work is to be carried out regardless of long term consequences. "Now don't rock the boat, mind you; we need to get this done on time and under budget, so don't worry about that little detail because that's how the drawings call it out. If we ask the architect and the engineer it will take days to sort out and cost lots of extra money. We also will need the Owner's approval and they are very busy, available only every other Tuesday from 8 to 10 am Eastern Time. Now, you don't want that, do you? Don't you want to just be done with this job so you can get paid? Any delay at all could delay your final payment by 45 days because we are just at the end of the pay cycle the architect set forth, and we need to show this portion of the project complete in the next two days." Smooth talking like this reminds me of Grima Wormtongue in Tolkein's *Lord of the Rings* series.

What really happens out there in the field? Surely many of you know this scenario, have experienced it yourselves, and find it distasteful and disturbing. Perhaps as a result you gave up doing projects where this situation is commonplace, or eventually you gave in and realized that in order to get paid you need to play the game and let what will be, be. Perhaps you found another avenue in between those extremes. If you gave up, the industry is sadder for it; if you gave in, the industry is sadder still. I am still trying to figure out what to do about it. What I know for sure is that the projects I work on are sadder because of the role of the classic commercial G.C. and for the process we use to carry out projects.

*Our system is so cumbersome that the ability to make good field decisions is lost almost entirely.*

Last fall I was sitting in an amphitheater in Italy at the end of a timber frame engineering workshop, and I asked the organizer a question. He is a well-respected engineer and senior faculty member. I asked, "Have you looked into discussing this topic with carpenters?" His response, along with an arrogant look, was, "Carpenters don't know anything about this." To my knowledge this person has never been trained in carpentry or the building of wooden structures. I have no reason to believe he has built a wooden building.

Two weeks ago, in Virginia, we built a replica of a historic 1611 church, right up the river from Williamsburg. This 28 x 60, 24,000-bd.ft. frame is being built with the sills below grade. The frame is

sitting on concrete blocks that will be several inches below final grade. Dirt will actually be pushed against the wood sills. Why? Because that's the way the architect designed it. The owner doesn't know; they have been led to believe "this is fine, we'll just spray a little Boracare on the sill plates and everything will be okay. To top it off, let's use some 30-lb. felt paper for sill sealer so we can really trap that water between the wood sill and the masonry."

I don't think the owners know what's going on because the real owners are the taxpayers of Henricus County. And I'm quite sure that a majority of the taxpayers would prefer to see a practical interpretation of the design (that would include above-grade sills) rather than have the building fail. But the building was constructed per the architect's drawings, exactly, and to my knowledge the G.C. never told them it was a bad idea to build a building with wood sills below grade.

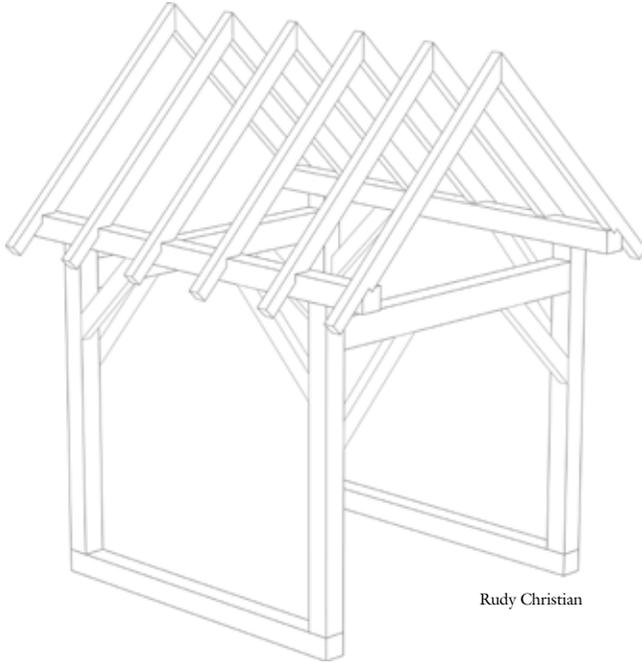
*When design and implementation are carried out by individuals with little or no knowledge of the material they are working with, we are creating a recipe for poor buildings.*

Eleven years ago we built a 200,000-bd.ft. fort for the state of Illinois. The projected lifespan of the building was roughly 40 years before major renovation would be needed. The region it was built in falls in the New Madrid Fault Zone, so major earthquakes (over 8 on the Richter scale) are predicted every 500 years or so. In order to combat the threat that the next earthquake (not actually due for another 300 years) would come in the next 40, the architects installed unsprung threaded rod throughout the building. The state tightened the threaded rods down in the winter every year, eventually crushing the 24-ft.-tall walls and causing them to bow to the point that the fort had to be shut down two years ago. The buildings lasted nine years; the architects had no prior experience building wood structures of this nature.

Process is the problem we face today with sustainable wood buildings. The process by which commercial construction projects are executed does not account for natural, living materials: the material we work with is not available off the shelf as factory-made components. Individuals who design and implement projects need more complete education. As a specialty carpentry company we are often asked to list five or ten years of similar projects we have performed, yet the G.C.s, engineers, and architects are rarely asked to do the same. Trades training is important for everyone, not only the carpenter or tradesman doing the work. If we can't educate the owner about a problem, and we can't educate the other professionals involved, we are going to continue to create buildings that will fail.

*Joint Event, from page 2*

Ohio, will include representatives from the Timber Framers Guild, Friends of Ohio Barns, and Preservation Trades Network. In addition to showing timber frame work, the craftsmen will demonstrate tools and



Rudy Christian

techniques for creating hand-hewn timber, split shake shingles, split rail fencing, and hand riven pegs.

We are looking for someone to demonstrate hewing. This person, and some others who are willing to demonstrate skills, will receive free lodging. This offer is on a first-come, first-served basis, and if you are coming from the TFG conference immediately preceding Ag Progress Days, we will give you free lodging Sunday night.

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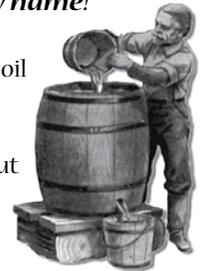
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Below: Tumblebug fire salvage,  
Willamette National Forest,  
December 2012



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# EVENTS



These listings are for Guild workshops and meetings, were submitted by Guild members, or announce other relevant events. For more info on Guild events or to register for any TFG project, reach [Sue Warden](#), 855/598-1803.

## Guild events

**2014 Annual Conference** Aug 7–10 (see page 1)  
Southern New Hampshire U., Manchester, N.H.,  
[Brenda Baker](#), 517/486-3629.

**Canada-East Regional Meeting** Jan 2015 (tentative),  
Kentville, Nova Scotia. [Mark Gillis](#).

## other events

### *EcoNest Natural Building*

**Natural building apprenticeship boot camp**  
Jul 21–Aug 29, Sep 8–Oct 17  
**EcoNest intensive** Jul 28–Aug 14, Sep 15–26  
**Timber framing** Jul 28–Aug 1, Sep 15–19  
**Nesting instinct seminar** Aug 2, Sep 20  
**Clay-fiber walls** Aug 4–7, Sep 22–25  
**Natural plasters** Aug 4–7, Sep 26  
**Roof construction** Aug 11–14, Sep 29–Oct 2  
[Econest calendar](#), 541/488-9508.

### *Fox Maple Workshops*

**Timber framing** Sep 1–13, Nosara, Costa Rica.  
[www.foxmaple.com](#)

### *Heartmoor Farm*

**Timber Frame Intensive** Aug 13–17  
**Timber Framing I** Sep 16–Oct 9  
**Timber Framing II** Oct 21–Nov 20  
Kents Store, Va. [heartmoorfarm.org](#),  
[Robert MacKinnon](#), Tom Elliott

### *Heartwood School*

**Comprehensive homebuilding** Jul 7–18  
**Finish carpentry** Jul 21–25  
**Cruck framing** / Jack Sobon Jul 28–Aug 1  
**Carpentry for women** Aug 11–15

### *Heartwood School, continued*

**Converting trees to timber** Aug 18–22  
**Timber framing** Aug 25–29  
**Timber frame design and joinery decisions** Sep 4–6  
**Compound joinery for timber framers** Sep 8–12  
**Advanced SketchUp Pro: Layout** Sep 26–27  
Washington, Mass. Michele Beemer,  
[www.heartwoodschoo.com](#), 413/623-6677.

### *Island School of Building Arts*

**Roof and complex geometrical structures: L'Art du Trait** Jul 28–Aug 1  
Gabriola Island, B.C. [www.isba.ca](#), 250/247-8922.

### *North House Folk School*

**Build your own timber frame—smaller frames** Jul 12–20  
**Build your own timber frame—large frame** Aug 15–24  
Grand Marais, Minn. [www.northhouse.org](#),  
888/387-9762.

### *Penn State*

**Ag Progress Days** Aug 12–14 (see page 2)  
Pennsylvania Furnace, Pa. [Rudy Christian](#)

### *Rocky Mountain Workshops*

**Square rule timber framing—straight and curved members** / Skip Dewhirst, Chris Drake, Aug 17–23  
**Seed to shelter—forest ecology and basic carpentry** / Chris Drake, Peter Haney Sep 20–28  
Colo. State U. Mountain Campus, Pingree Park, Colo.  
Peter Haney, [www.rockymountainworkshops.com](#),  
970/482-1366.

### *Sobon/Carlton*

**Traditional timber framing** / Jack Sobon and Dave Carlton Sep 24–28  
Hancock Shaker Village, Pittsfield, Mass. [Dave Carlton](#),  
413/684-3612, or [Jack Sobon](#), 413/684-3223





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](#).

## help wanted

### Designer.

Fire Tower Engineered Timber, a specialty structural engineering firm, seeks a designer for its Providence, RI office to support our growing engineering practice. Primary task will be to prepare electronic drawings and specifications for our heavy timber and structural panel work. Other light admin duties required. Minimum qualifications: 2-year college degree, 3–5 years of 3D model and 2D drawing preparation in AutoCad a must (experience in other CAD programs a plus); and an ability to communicate effectively with our far-flung team and clients. Wages commensurate with experience. Please send resume and portfolio to [Mack Magee](#).

### Experienced timber framer.

Holder Bros Timber Frames is looking for an experienced timber framer to join our crew. For more information email [Gabel Holder](#) or call him at 770/597-5840.

### Journeyman or apprentice carpenter.

[StructureCraft](#), in Delta, B.C., specializes in commercial, institutional, and residential design-build services. We create, fabricate and erect practical design solutions for unique architectural concepts, usually in long span, exposed timber, timber-steel structures, and bridges. We work extensively across North America and have recently completed work in Asia.

We seek a seasoned, quick-minded, outspoken, bright, energetic individual with a passion for carpentry who excels at reading blueprints and shop drawings, laying out, building templates/jigs, using hand and shop tools, employing best practice fabrication, framing within prescribed tolerance in rough and finish carpentry through to coating application, rigging and loading to site for erection install with an eye for quality assurance and safety. Reports to Shop Supervisor.

Journeyman or Apprentice Carpenter ticket with 1-3 years' experience required. First Aid Level 1, Fall Protection, WHMIS Certs. desired. Familiarity with digital fabrication and CNC technology an asset. Some travel. Competitive salary and benefits.

Submit opening letter and resume to [Jon Van Slageren](#).

### Shop production manager.

[StructureCraft](#), in Delta, B.C., specializes in design-build services to a growing commercial, institutional, and residential clientele, especially for long-span, exposed timber and timber-steel structures.

Skills include those listed in para. 2 of journeyman-apprentice notice above plus mastery of overhead cranes and managing costs and schedules. Reports to Dir. of Operations. Duties include building, leading and managing the shop: staffing, scheduling, production cycles, estimates, schedules, shop standards. Participate in monthly cost report meetings, front our Occupational Health and Safety program (maintain safety manual, chair and minute safety committee meetings, attend to safety orientations, assessments, investigations, reports, Worksafe matters). Manage tool inventory, purchases, maintenance, repairs, inspections, saw sharpening, slings, and other).

*(listing continues, next column)*

*(listing continued from previous column)*

Those reporting to you will include your shop coordinator (responsible for quality assurance, shipping-receiving, inventory control, shop purchasing) and some 20 to 30 journeymen or apprentice carpenters.

Ideally you have European education and 5-plus years of work experience in heavy timber fabrication and erection. Forklift Operator, First Aid Level One, Fall Protection, and WHMIS certificates desired. Some travel. Competitive salary, performance bonus, and benefits.

Kindly submit your opening letter and resume in confidence to [Alex Bacot](#), Director of Operations.

### Timber framer.

Timber framer wanted by Cabin Creek Timber Frames, in the North Carolina mountains. We are a hand-cut shop with radiant floor heat. [Joe Bell](#), 828/369-5899, [www.cabincreektimberframes.com](http://www.cabincreektimberframes.com).

### Timber framer.

We seek someone dedicated to producing the highest quality structures using traditional mortise and tenon timber frame joinery. Read, review construction documents. Lay out and cut joinery (hand and power tools). Raise frames on client sites. Min. 3 yrs. experience in timber framing (or 8 yrs. related experience in carpentry or cabinetry). Familiar with timber frame joinery and structural systems.

[Hardwick Post & Beam](#) has been designing and building custom timber frames for 30 years. As a small custom timber frame company we all take on multiple roles for seamless service to our customers. Please send resume and work samples to [Newell Pledger-Shinn](#). For more info, call 413/477-6430.

### Timber manager.

[Montana Reclaimed Lumber Co.](#) is seeking a hand-hewn timber manager. Responsibilities are to assemble hand-hewn timber packages as per customer specifications. Work is outdoors year round. Background in carpentry and log/timber work is required. Pay DOE. Our 16 acre reclaimed lumber yard is located just southwest of Bozeman, Montana. Please email resume to [Mike Halverson](#) or call 406/763-9102 for more information.

## miscellany

### Field trip sites sought.

I am preparing to teach a timber engineering course this fall at RPI in Troy, N.Y., and am looking for potential field trip sites that would provide good examples of timber frames—new or old, within 30 miles or so of the Albany/Troy area. If you are aware of candidate sites, please call me at 607/435-2806 or email me. [Phil Pierce](#).

## tool wanted

### Mortiser.

Like new Makita chain mortiser wanted to purchase. Email [Robert Laporte](#) or call 541/690-9213.