



THIS MONTH:

NOVEMBER 5th PROGRAM

BRICK & STONE PAVING

SPEAKER

Gene Pawlikowski, CSI
Trowel Trades Supply Inc.
with Eddie Albert of *Pine Hall Brick Co.*

TIME

Wednesday, November 5, 2003;
11:00am-2:00pm

LOCATION

The **Clarion** Hotel & Conference Center
Williston Road, S. Burlington

CREDITS

2 hours of HSW credits available

SUMMARY

Gene Pawlikowski puts on his annual masonry-themed extravaganza. This year's will focus on brick and stone paving. Should be fun to listen to, packed with visuals and loaded with tabletops.

Gene is also putting together a panel of experts, including Eddie Albert of Pine Hall Brick and Mary Tousignant of Granite Importers, to speak to particular issues within their fields.

AGENDA

11:00 Registration & Networking
11:25 Intro & Speaker Begins
12:30 Lunch Break
1:00 Speaker resumes
2:00 End...tabletops resume

COSTS

\$30 for CSI members
\$40 for Non-Members
\$15 Students
New Members FREE !

RSVP / QUESTIONS

To Program Chair Jonathan Miller at
campsi@earthlink.net

Nov. 5th Program Come Join Us !

We're at the Clarion again this month for a luncheon seminar on brick and masonry paving. This program is being put together by Gene Pawlikowski of Trowel Trades Supply Co. who along with masonry expert entertainer, Eddie Albert, (see if he isn't related) will tell us more than we ever new about brick and stone on the floor or ground. Experts from out tabletop companies will also share some trade gems on their products. If you want to know how to detail and specify patios, walkways, and other flooring out of various brick and stone, come join us on the 5th of November for a good discussion. Two (2) hours of Health Safety Welfare Learning Units are available to attending registered professionals.

CSI Certification Early Registration Deadline

A reminder for those who are interested in taking any of the CSI certification exams next April: the early registration deadline of December 1, 2003 is fast approaching. After that date the registration cost increases for CSI Members and non-members alike. The final deadline for the April exams is January 31, 2004.

The Vermont Chapter anticipates that a number of our members will be going for some level of certification: the basic Construction Documents Technologist (CDT), as well as Certified Construction Specifier (CCS), and Certified Construction Product Representative (CCPR). If you're interested, you can register online at www.csinet.org.

WE WANT YOU ...

...to make a contribution to the Green Mountain Specifier – ideas, articles, letters, advertising or other relevant material (if you're polite, maybe we'll even take irrelevant material). Contact:

Chris Eling, CSI, CDT, Editor
chris@pmarch.com
Peter Morris Architect
8 Roundtree Way
Vergennes VT 05491
phone: (802) 877-3830
fax: (802) 877-3972

Fall Region Meeting Date Set for Nov. 14th

After much work a date and place have been determined for the *Northeast Region CSI Annual Meeting*, Institute Update, Region Forum, and the Region Board Meeting. They are being held in the Berkshires this November 14-15 at the Apple Tree Inn in Lennox, MA. Look for the coming e-mail notice! Contact Jonathan Miller at campsi@earthlink.net for more information.

CSInet Updated

Next time you have a free moment on the www, take a look at the newly revised CSI website, at www.csinet.org. The North East Region website is also undergoing an update, www.neregioncsi.org. Progress has a way of filtering down, and sometime in the foreseeable future the Vermont Chapter website will be updated as well, integrating it into the Region's dynamic format and making it much more useful to our members and program attendees. Stay tuned for these changes to www.vermontcsi.org.

LAST MONTH:

SEPTEMBER 24th PROGRAM

THE POWER OF ONE: FACILITATING GREEN BUILDING

SPEAKER

Paul M. Murray – *Environmental Affairs Manager, Herman Miller*

TIME/LOCATION

Oct. 9, 11am-2pm; at the Clarion Hotel

SUMMARY

No one wants to hurt the environment, but it's a question of awareness of the consequences of decisions. Building green is commonly perceived as more expensive, but in fact it is far more likely to save money, sometimes even in the very short term. Paul related an anecdote about a building which went green at the last minute. A simple change from a black roof to a white one radically reduced the anticipated A/C load, and enabled one unit to do the job that five units were originally needed for. Thusly both the initial cost and the long-term operating costs were cut.

Paul's real expertise is instituting environmental policies for industries, more general in scope than typical green-building topics. One part of this is establishing a bureaucratic structure that covers different green concepts: one branch for waste management, one for building commissioning, one for 'product designing for the environment', etc. This structure keeps each team member working in a specialized area of expertise, but unites them all by working towards common stated goals.

Paul also spoke about specific examples from past experiences, including reusable shipping containers, use of benign product materials, and energy efficiency initiatives. Lighting is the big item there, but the industrial equipment itself may be improved as well – cited was a specific example of vacuum motors at a wood shop, which used dramatically less power if brought up to speed gradually instead of instantly.

Finally, when looking at the savings possible with green building, study the life-cycle costs. Operating budgets often contain the big savings in going green.

We felt very fortunate to have Paul Murray for this event. Thanks to him for a great talk.

The President's Corner

By John Gant, CSI, CDT; john_gant@irco.com

Where does the time go? I would have sworn that I wrote the last President's Corner just yesterday.

I don't know about you, but I'm constantly reminded why I love living in Vermont. Two weeks ago at the peak of the foliage season I had the opportunity to take a sightseeing flight over Vermont. It was amazing to view our state from this new perspective. The aerial views of Lake Champlain, downtown Burlington and the gleaming gold dome of the state capital building are simply spectacular.

Chapter Survey

Ok, you may have noticed that you have not YET received a copy of the Chapter Survey. You WILL receive a copy via e-mail next week. Please look for it in your E-mail. You will be asked to rate the performance of your CSI chapter and to help mold its future. PLEASE! PLEASE! PLEASE! Take a moment to fill it out and return it. Thanks in advance!

Chapter Incorporation & Bylaws Update

We still are pursuing Chapter Incorporation. The incorporation requires an update of our Chapter bylaws. The latest draft has been sent to the Institute's national offices for their review and approval. If you wish to be involved in this process or just wish to see a copy of the latest draft e-mail Jonathan at jmilleraia@earthlink.net.

Remember – Volunteers Are Always Wanted!

Please contact me at john_gant@irco.com or by phone at 1-802-482-4763 if you have any questions, comments, or complaints (I mean 'improvement opportunities').

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NEXT MONTH:

JOINT DECEMBER PROGRAM

P.LAM & SOLID SURFACE FABRICATION SHOP TOUR

SPEAKER

Steve Benjamin, CSI
WilsonArt Inc./ CT Plywood Corp.

TIME

Wednesday, December 6, 2003;
11:00am-2:00pm

LOCATION

Ethan Allen Dr. near BIA, S. Burlington

CREDITS

1-1/2 hours of HSW credits available

SUMMARY

A laminate fabrication shop tour will show attendees basic casework layouts and how a professional would approach constructing solid surface countertops to fit those layouts. Solid surface sheet optimization, seam considerations, sink support and location, edge detail design and integration of other materials such as tile or metal will all be covered through the duration of the program. Followed by a sponsored lunch at the Windjammer.

COSTS

\$15 for CSI & AIA members
\$25 for Non-Members
\$5 Students
New Members FREE !

RSVP / QUESTIONS

To Program Chair Jonathan Miller at
campsi@earthlink.net

Technotes: Ideas and Challenges

by Sheldon Wolfe, RA, CSI, CCS, CCCA

In last month's column we looked at a few highlights of the history of technical activities, from the grass roots proposals that eventually became important technical standards, to the termination of the SpecGUIDE program that resulted in the present lack of technical spirit. Many of the common complaints in the past few years have to do with the apparent death of the chapter technical committee, and what appears to be a lack of technical focus throughout the organization. As a result, one of TechCom's charges is to help revitalize the technical activity that has been such an important part of CSI. To meet this charge, TechCom set a few basic goals:

- To help chapters and regions engage in worthwhile technical activities on their own initiative, rather than rely on direction from Institute.
- To actively involve chapters and regions in the development and review of updates to CSI documents.
- To expand the definition of "technical" from its traditional meaning of constructing and organizing text documents, to include the organizing and processing of electronic information, thereby opening a wide range of new possible technical activities.

The outcome was a list of "Ideas and Challenges" for region and chapter technical committees. It is important to note that these are not make-work pastimes; they are serious proposals that can have an impact beyond the chapter. In this and following columns we'll look at some of the items from that list.

ideas and challenges

The first group of suggestions comes from the expanded definition of "technical". By including the organization and use of electronic data, we remove the barrier that seemed to limit previous work to text-based documents.

1. Encourage regions and chapters to investigate needs related to processing electronic information, to develop solutions for those problems, and to share their results with other chapters and regions.

continued next page



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[continued from p.3]

2. Ask members how they have solved computer and data processing problems. Examples include styles and templates for word processing, sophisticated macros or utilities for word processing or CAD, and electronic forms.
3. Anticipate the consequences of the growing power of CAD programs. How will the construction industry change if drawings can automatically produce material quantities, cost estimates, and specifications? What will the role of the specifier be?

Has anyone in your chapter come up with ways to make it easier to process or use information, in either text or electronic format? Have you created a form that works? Do you have ways to improve coordination of documents? Have you found a way to increase productivity or reduce errors? If it's useful to you, it will probably be useful to other members, as well, so don't keep it a secret - tell your chapter and region technical chairs what you have done.

Views expressed in this column are the author's.

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“Chiseled In Stone” by R.L.Manders, CSI, CDT

John Gutzon de la Mothe Borglum, a native of Idaho, was an American sculptor who became famous for his gigantic Mount Rushmore National Memorial in the Black Hills of South Dakota. Borglum began his art studies in San Francisco and completed them in Paris. His friendship with the French sculptor Auguste RODIN let him to concentrate of sculpture. Mount Rushmore was authorized as a National Memorial by Congress in 1929, although some of the preliminary work had began as early as 1927. Borglum and his workmen used pneumatic drills, dynamite, and hand chisels to carve these four immense head of of the top of the mountain. Washington was chiseled in 1930, Jefferson in 1936, Lincoln in 1937, and Theodore Roosevelt in 1939. Each of these heads stands sixty feet high.

To create these heads into “life like images”, much work must be done in the finishing stages to achieve perfection. This, quite like the writer of good Specifications, must research and evaluate every product to make sure that the end result will be the best it possibly can be. Then, after the decision has been made, and the Specification is complete, it should be “chiseled in stone”...so that there is no way the Contractor can “re-write” the Specification! In almost every single case, there is only one “best product” product” and only one proper “method of application or

installation” to provide the Owner with the best possible end result. Situations differ from job to job, and the same Specifications cannot be used exactly as they were used on a previous job. Just as Borglum had to create different images for each of the Presidents on Mount Rushmore, so must individual Specifications be tailored for each job. Unfortunately today, some Design Professionals have stored in their computers “Office Specifications” and these are used over and over again, regardless of the particular situation. Often times we see Specifications for substrates that do not even exist, or we see Specifications that applied to a previous job, but are not proper for this particular job. If those craftsmen that worked for Borglum had labored under instructions of “multiple choices” which is how many Specifications are written today, those heads on the side of Mount Rushmore might have more closely resembled Harry Houdini, Babe Ruth, Joe Montana and Bozo, the Clown!

One of the major reasons Building Owners seek the services of a Design Professional is that they lack the knowledge or experience to properly research the best possible products for use on their building. The Building Owner realizes that the Design Professional networks with many different Product Manufacturers, and has the experience and expertise to evaluate those products and pick the product most suited for this particular situation.

Discriminating Building Owners want Specifications that are truly “chiseled in stone” and cannot be broken by Contractors or Suppliers!



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October Board Meeting - Summary

Here are a few talking points from the last Vermont Chapter board meeting, October 14th 2003. This is by no means complete, and the full text of the meeting minutes is available from the Chapter Secretary.

- The Chapter Member Survey is set to be e-mailed soon; it should also be available on the chapter website.
- The chapter has gotten comments back regarding the chapter by-laws and the incorporation. This is getting close to completion, at which time the chapter will call a special meeting (likely just before or after a program) to vote on approval of the bylaws.
- Middlebury College has a pre-architecture liberal-arts program. Jonathan Miller has made contact and we expect we may present another "This Is CSI" program to their students in the near future.
- One of the newest chapter members, Tony Bartorillo, CSI, CCPR, (a transfer from the Pittsburgh Chapter) has volunteered to take over the Certification Chair positions at the VT Chapter and NE Region levels.
- The Chapter continues to be financially healthy, though the projected fiscal year figures are fluctuating.
- The Chapter Awards Committee anticipates submitting for three awards at the Institute level this year: the annual Chapter Commendation, a Continuing Publications Award, and an Academic Affairs Commendation. Submittal deadline is December 1.
- Chapter member Al Brosseau volunteered some time ago to present a program on the Product Rep. – Contractor – Architect relationship. This seems to be a topic of interest to our student members, so we will ask Al to present his program at VTC in February '04.

Next board meeting is noon, 11 November at Little Saigon.



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New Taiwan Building Will Be World's Tallest

from Engineering News & Record

A 101-story, \$700 million building now under construction in Taiwan will become the world's tallest building once a 60-meter spire is installed in the fall.

The Taipei 101 tower, developed by Taipei Financial Center Corp., will be 508 meters tall. The twin Petronas Towers in Kuala Lumpur now hold the record for world's tallest building.

The Taipei 101 is built in an active seismic zone, and has already withstood a quake that measured 6.8 on the Richter scale. The event, which occurred in March 2002 when the building was only half complete, toppled two cranes and killed five construction workers, but did not bring down the tower.

A shopping mall housed at the tower's base is scheduled to open later this year. The remainder of the building is slated for completion in 2004.

from Engineering News & Record 7/14

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Twenty Years Ago Today – Part III

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Disk Storage

In the last column we looked at random access memory (RAM), the kind of memory your computer uses when it thinks. Memory of this type is known as volatile memory, as it lasts only as long as the computer is turned on. Once you shut it down, everything in RAM disappears. While this is no problem for "thinking" memory, we also expect the computer to remember things from one day to the next; if we had to re-enter data every day, the usefulness of the computer would be much reduced.

As noted in the last column, the QX-10 had 256K of RAM, but it also had two 5-1/4 inch floppy drives. At that time there was no permanent memory other than removable disks, so each time the computer was turned on you had to insert one or more floppy disks to load the operating system and the program you wanted to use. Not until you were done with that could you load data to work on, from yet another disk.

A year or so after I bought my QX-10 I was tempted to buy a hard drive so I wouldn't have to feed a series of disks in every time I wanted to use the computer. Unfortunately, the cost was prohibitive - about \$2,000 for a 10 meg drive - and I resigned myself to a tedious boot process.

Fortunately, disk drives quickly evolved. Each new floppy disk format was physically smaller, yet held more information than its predecessor. I still have an 8-inch floppy, which held just over 100K. My QX-10's 5-1/4 inch drives, which held about 340K, were replaced with the still-popular 3-1/2

inch drives with 1.44 megabyte capacity. There was a brief flirtation with 2-inch drives, but they didn't see much use, probably because they were too small to contain even the briefest description of their contents!

During the same time, hard drives have increased in capacity from 10 megabytes to 200 or more gigabytes (one gigabyte = one billion bytes), while the price has fallen dramatically. The cost of hard drive storage for my computer in 1984 was about \$200 per megabyte; today it is only about 10 megabytes per cent!

I recently bought a pair of Lexar JumpDrives: portable storage devices about as big as your thumb that plug directly into the computer's USB (universal serial bus) port. The ones I bought hold 128 megabytes each, but they are now available with up to one gigabyte capacity.

The picture at right shows an 8-inch floppy, a 3-1/2 inch floppy, and a Lexar JumpDrive. Quite a change - from a disk nearly as big as a notebook that would hold 100K, to something small enough to hang on your keychain that will store *ten million times* as much as the big disk!



[Next month, Part 4: CPU]

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VT Chapter Stats as of Oct. 31:

	Oct '03	Jan '03
New Members in October	6	
New Members, 2003 YTD	76	
New Members for all of FY2004	13	
Retention rate year to date	79.4%	
Total VT Chapter Members	131	66

EDITORIAL POLICY:

The Green Mountain Specifier is published as the official newsletter of the Vermont Chapter of the Construction Specifications Institute. Neither the Editor nor the Chapter assumes responsibility for any alleged errors, and opinions stated are not necessarily those of the Editor, the Chapter's members or leadership, or the Institute.

Contributions to the newsletter are welcome, and should be submitted to the editor by the 24th of the month in order to be eligible for the next issue. Contributions may need to be edited for, among other things, clarity, file size, and length. Submitted pieces also may not be able to be accepted due to space constraints.



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2003-2004 Vermont Chapter CSI Events

April 24, 2003	<u>“FAHC Renaissance Project Site Tour”</u> Host - Matthew Martin, CSI, Assoc. AIA
May 8	<u>“Physics of Metal Roof Design”</u> James R. Townsend, PRC of AMS
June 5	<u>“Chapter Awards Banquet”</u> 4:00 – 10:00pm at Basin Harbor Club
June 26-28	<u>CSI University – Leadership Training</u> Philadelphia, PA
July 17	<u>“Lighting Design, Dimming, and Controls”</u> Ed Jaffee, CSI, IES, LTCD 11:00am-2:00pm at the Clarion Hotel
August 14	<u>“The LEED Process & Specifications”</u> Ross Spiegel, RA, FCSI, CCS, CCCA <i>CSI Liaison to U.S. Green Building Council</i> <i>Former CSI Institute President</i>
September 24	<u>“The Buzz About Electronic Hardware”</u> by Shelley Hudson, CSI, CCPR of <i>Ingersoll-Rand</i> 12-2pm at Vt. Technical College, Randolph VT
October 9	<u>“The Power of One: Facilitating Green Building”</u> by Paul Murray of <i>Herman Miller</i> (Lynn Ovitt, CSI) 11:00am-2:00pm at the Clarion Hotel
November 5	<u>“Brick & Stone Paving”</u> Gene Pawlikowski, CSI of <i>Trowel Trades Supply</i> 11:00am-2:00pm at the Sheraton, S. Burlington
December 4	<u>“P.Lam & Solid Surface Fabrication Shop Tour”</u> Top Shop & Steve Benjamin, CSI of <i>WilsonArt</i>
January 22, 2004	<u>“The Bidding Process”</u> TB Verified <i>Paul Frank & Collins</i>
Feb. 11-12, 2004	<u>“Better Buildings by Design 2004”</u> by <i>Efficiency Vermont</i> , at the Burlington Sheraton
February, 2004	<u>“The Product Rep-Contractor-Architect Relationship”</u> Good Service-Expectations-Killer Issues, at VTC Al Brosseau, CSI of <i>Albro Export & Marketing</i>
March, 2004	TBD
April, 2004	<u>“FAHC Renaissance Project Site Tour – Part 2”</u> Host - Matthew Martin, CSI, Assoc. AIA Sr. Project Manager, <i>Fletcher Allen Health Care</i>
TBD	<u>Storrs Library Site Tour – Middlebury College</u>

New Members Welcome !

October 2003 **80 new '03 Members!**

Mr. Roberto W. Fitzgerald, CSI, AIA Dore & Whittier Architects	
Mr. Michael S. Simanskas, CSI, AIA Dore & Whittier Architects	
Mr. Mark A. Marshall, CSI, Assoc. AIA Dore & Whittier Architects	
Mr. John F. Thompson, CSI, Assoc. AIA Dore & Whittier Architects	
Ms. Kaija Johnson, CSI-S	VTC
Mr. Shaun White, CSI-S	VTC

September 2003

Mr. Tony Bartorillo, CSI, CCPR <i>Russell Construction Services</i> <i>Transfer from the Pittsburgh Chapter CSI</i>	
Mr. John Goodell, CSI <i>SVE Associates</i>	
Mr. Tom Bartholomew, CSI <i>Northern NE Concrete Promotion Association</i> <i>Joined us from the Maine Chapter CSI</i>	

August 2003

William Alexander ‘Sandy’ Fead, CSI <i>Paul, Frank & Collins</i>	
Mr. Martin V. Hawkes, CSI <i>Tree Ridge Enterprises Inc.</i>	

July 2003

Mr. Andrew Gregory, CSI, AIA <i>Truex Cullins & Partners</i>	
Mr. Bill Mueller, CSI <i>Miller-Sheehan-Sullivan Sales</i>	

June 2003

Mr. Terrance Murphy, CSI <i>Vermont Technical College Professor</i>	
--	--

May 2003

Mr. David Mitchell, PE, CSI <i>Engineering Ventures Inc.</i>	
Mr. Gregory Souther, CSI-S	VTC
Ms. Jessica Billian, CSI-S	VTC
Mr. Jesse Franklin, CSI-S	VTC
Mr. Russell Nigro, CSI-S	VTC
Mr. Richard Parks, CSI-S	VTC
Mr. David Pasch, CSI-S	VTC
Mr. Jon Plumley, CSI-S	VTC

April 2003

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