

Your Past, Present and Future

Chapter Meetings are held on the third Tuesday of the month and include networking hour, technical presentation and dinner. Board Meetings are regularly held on the first Tuesday of the month at Williker's BBQ Route 20 Shrewsbury, MA.

9/19/17	Architectural Scavenger Hunt
10/17/17	Drones and their Applications
11/21/17	Treehouse Brewery Tour in Charlton
12/8/17	Holiday Party and Yankee Swap Featuring Comedian James Dorsey
1/16/18	Learning How to Implement BIM
2/20/18	Building Code—9th Edition Update
3/20/18	Tour of Railers Practice Hockey Rink
4/17/18	Mock Bid
5/15/18	Commercial Fiber Concrete
6/19/18	Bravehearts Baseball Outing
7/27/18	WCCSI Summer Open

This month's inside stuff

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CSI Worcester County Chapter Meeting

Program: Learning How to Implement BIM
Date: January 16, 2018
Place: Leo's Ristorante
Address: 11 Leo Turo Way
City: Worcester, MA 01604
Time: 5:00 PM Networking
 5:30 PM Program
 6:30 PM Dinner



Cost: \$20 per Person (Students Free)

This month's program will be a panel discussion made up of individuals from various backgrounds including a contractor, an architect, and a third-party BIM service provider that will help answer this and any other questions attendees may have. Each panelist brings with them a unique set of skill sets which will allow for a wide range of perspectives that the audience will be able to learn from; there should be something for everyone. The discussion will be moderated by a representative from an authorized Autodesk vendor. The topics of discussion are not meant to sell BIM, but, rather to discuss the obstacles associated with transitioning to this increasingly more common drafting software.

1. **Be able to identify projects where BIM is appropriate and those where it is not (i.e.: CAD vs. Revit).** Discussion will compare development of new buildings through BIM versus fragmented incremental renovations to existing buildings where no BIM model exists, and the potential for incorporating elements of the Specifications and even code requirements into the model.
2. **Provide an understanding of the obstacles and risks of using BIM.** In particular, panel discussion will include the holistic coordination of structural, envelope and MEP systems pertaining to code-compliance and constructability.
3. **Learn from shared experiences with those who have been successful with implementing BIM.** Presenter will discuss precedents where better coordination of MEP systems and life-safety elements including sprinklers, dampers, rated construction continuity and compartmentalization was achieved through the use of BIM.
4. **Learn how to determine whether to transition to BIM or out-source to a service.** Outsourcing carries with it important liabilities to the Architect/Engineer of Record, especially in regards to the knowledge of local codes where the 3rd party BIM Modeler is out of state or out of the country.

So, come join Worcester County CSI for an informative panel discussion and determine for yourself if the BIM "Kool-Aid" is right for you!

See page 4 for bios on our Moderator and Panelist

Please RSVP to Terri Bracken at neregcsi@gmail.com

The Worcestershare Source

Chapter Officers:

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NE Region President: Certification Chair:	Martin J. Helly, CSI, CDT MH Spec 184 Greenleaf Drive Florence, MA 01062-9770 413.586.7769 martyhelly@verizon.net

President's Message

I'm getting old, I know it. I may be part of the last generation that drafted on a drawing board. It was early in my career that the office switched to CAD, started plotting drawings rather than running blueprints through the ammonia machine, and edited specs in a rudimentary DOS-based word processing program rather than crossing out unneeded paragraphs on the office master spec and giving that to the secretary to retype entirely. I remember my boss at the time being resistant to embracing that technology, but for me, it was a whole new world I couldn't get enough of. I couldn't understand his mindset, but now as I approach my 50s and look around me, the shoes I'm wearing look strangely similar to his.

Our office, like many I'm sure, have settled into a comfortable groove with the way we do things. Although we draft in CAD now, the drawings we produce are really just 2D versions of the same hand-drafted drawings we would have prepared years ago. Although we edit specs rather than mark-up/retype them now, we still manually coordinate them with the drafted details as the job develops. New technology exists, which we've not embraced due to cost, learning curve and the demands of an excessive workload. Just as there's a generation in the workforce now which never saw a drafting table in their office, there's a generation coming behind them that will never work in 2D and never produce specifications which are not integrated to the drawings digitally.

There's an old saying that goes "you don't know what you don't know", and this month's program on Building Information Modeling (BIM) addresses that. Rather than the typical lunch-and-learn sales pitch by the Revit dealer, this program includes a panel of speakers; current users, 3rd party drafting services and sales reps to explain what it's all about but more importantly to field your questions about technology, and provide answers from multiple perspectives. You'll never have a better chance to understand why you're not embracing today's technology, so join us January 16. You may not "drink the kool-aid" but at least you'll understand what's in the cup.

Steve VanDyke, CSI
Worcester Chapter President

WSS



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WCCSI Board of Directors meeting

12/5/17 @ Willikers Tex-Mex, Shrewsbury Ma

**** Note, All Motions were voted on and accepted unanimously except as noted otherwise.**

Called to Order: Ken Henderson @ 5:07 pm

Attendees: Michael Lapomardo, Neil Dixon, Ken Henderson, Mike Sheehan, Jim Olender, Peter Caruso, Marty Helly.

1 Reviewed Minutes from the last Board Meeting:

Motion to accept October Minutes as submitted

1st Mike L 2nd Jim

**** No Quorum in November**

2 Treasurers Report:

Motion to file Treasurers Report

1st Pete 2nd Neil

Move to Accept 2018 Budget

1st Jim 2nd Ken

Move to Accept Brian Waters (Wells Fargo) Investment Recommendations

1st Jim 2nd Pete

3. Scholarship Planning

1. The Scholarship Sub Committee has several Options to discuss as a Plan "B" if the Chapter chooses to have another organization manage the Scholarship Fund:

- The Worcester Foundation (Steve)
- Town of Shrewsbury (Mike L)
- WPI Endowment Fund (Mike S)
- Worcester Voke

2. Our goal is to finalize Plan B by the end of the Fiscal Year (June 2018)

3. Motion to Table until the end of the Fiscal Year
1st Mike L 2nd Pete

4. Website

Mike Helly has brought the "Old" Website up to date.
Mike will transition us to our own "New" site.



Martin J. Helly Jr.

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5. Membership

Marty will ask Terri how the "Consolidation of the Contact List" is coming.
Once this list is available, The Board will decide how to sub divide list for distribution of call responsibility by BOD members.
Terri is now handling all RSVP's for Events.

6. Programs

December 8th: Holiday Party and Yankee Swap. This event is confirmed and organized.
January: How to Implement BIM. A Panel Discussion.. Pete Caruso confirmed and is ready to go.
February- Building Code. Marty will contact Kevin Hastings
March- Tour of the new Railers Practice Hockey Rink (Mike S)
April- Mock Bid (Neil) We need to make sure we have adequate participation.
May- Commercial Fiber Concrete at the Sterling Plant. Live Demo (Mike S)
June- Bravehearts Baseball Outing. (Mike S)
July- Golf (Mike L)

8. Academic Outreach- Steve:

Table until January

9. Newsletter:

Roland released the December Edition

10. Other Business:

Phone List reminder must be out by January 2nd for the regular monthly meeting, as the BOD isn't meeting until January 9th.

11. Meeting Adjourned at 6:21 pm

Motion to adjourn 1st Mike L 2nd Pete

12. Next Meeting: 1/9/18 Tues

Respectfully submitted: Michael Sheehan.

WSS

Michael Sheehan
Sales

Plants
Sterling - Oxford



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Bios for our Moderator and Panelist

Learning How to Implement BIM

Phil Marshall (moderator):

Phil holds a BSCE from MIT and MSCS from Boston University. He has over twenty years of experience in technical solution sales. Ability to act in a consultative capacity with senior management addressing business concerns and issues. Strong background in engineering, manufacturing and information technologies, enabling interfacing with disparate groups within customer organization. Of particular interest now is the movement to the cloud and the application of new technologies to construction.

Jack Moran (panelist):

Jack Moran is the BIM Services Manager for Consigli, responsible for managing an integrated group of nine in-house BIM experts, supporting all of Consigli's project teams. With over 20 years of experience in both design and construction and a focus on technology and collaboration, Jack has key expertise in assembling and managing high performing teams for success. As the leader of Consigli's innovation initiatives, Jack is responsible for reaching across all areas of the company to discover, develop and share new methods, tools and behaviors that will benefit the company and our clients.

Tom Cassell (panelist):

Tom started his career working as a CAD Drafter for Westover Air Force Base in 1999. While there he moved into the position of CAD Manager maintaining all of the CAD files along with the two file servers for the entire Civil Engineering Department. Some of Tom's largest projects included the entire drawing set for the 2000 Air Show and implementation of a GIS system for the fire station. While working at Westover, Tom received his Associates in Mechanical Engineering from Springfield Technical Community College.

Tom joined MicroCAD in 2003. Starting out as an Applications Engineer with an MEP focus, he developed his skills in AutoCAD MEP, Revit MEP, Revit Architecture, AutoCAD and other Building Division Solutions. He continued to grow and develop advanced skills in Autodesk software and the AEC industry becoming an Autodesk Certified Instructor, BIM 360 Certified, MEP Fabrication Specialized, and Specialized in Autodesk Product support. He also has helped companies implement MEP software into all disciplines including HVAC, Electrical, Piping, Plumbing, and Fire Protection services. Tom's most recent work has been in project management implementing MEP standards, families, modeling, and working as the CAD project manager for several companies including but not limited to Men At Work Construction in NY & MA, Wright & Co. Construction in NY, and Sanford Contracting in MA.

Leo Parker (panelist):

Leo Parker is a registered architect, AIA member, and LEED Green Associate. He has degrees from Wentworth Institute of Technology and the Boston Architectural College. Leo has been with Lamoureux Pagano Associates since 2013 after more than 15 years of architectural experience encompassing a wide range of project types from small interior renovations to large educational, bio-medical, corporate and industrial facilities. At LPA he provides support to the principal architects on a variety of projects, most recently playing a key role in the Shrewsbury Public Library project. Leo has made several technology transitions over his career, from starting with hand drafting and implementing AutoCAD in a small office setting, through using third party add-ons, SketchUP, and AutoCAD Architecture. Leo is currently making the transition to Revit on a small scale educational project at LPA.

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---------------------------------------------------------------	------------------------------------------------------



Nina Healy passed away Saturday December 30

Our dear friend Nina Healy, wife of deceased charter member Ted "Ole Argyle" Healy, passed away 9 months after her beloved Ted. Ted & Nina were always together at many CSI functions both on the National & Region level and will be sorely missed.

RIP my dear friends!

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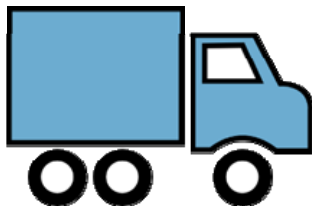
2018 National Election: Call for Nominations

Each year, CSI's Nominating Committee vets and presents a slate of qualified nominees to serve on the Board of Directors, for the membership to vote on in the Spring election.

This year, the Nominating Committee is requesting applications from members who are interested in serving on the Board in one of this year's open positions. Please consider applying or nominating a great candidate to serve on the CSI Board of Directors!

The three positions to be elected by the full membership this

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Bill Sharp, President

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spring, for a term starting July 1, 2018, will be:

CHAIR-ELECT ([view job description](#))

TREASURER ([view job description](#))

DIRECTOR-AT-LARGE ([view job description](#))

Submission Deadline: All members interested in being considered for one of these Board positions should submit their online application by **Monday, January 8, 2018**.

Timeline: Applicants will receive a response to their applications by late February 2018. The election will take place in March 2018.

[Apply Here](#)

More Information:

If you have any questions related to how to apply for a position or questions on the system, please contact: election@csinet.org



Happy Holidays from everyone at the Construction Specifications Institute (CSI). We hope your holidays will be filled with joy and laughter through the New Year. Thank you for your continued support.



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2017 Holiday Party was a large success

Here are a few pictures from our Holiday Party last December 8, 2017. We had a great turnout in excess of 40 CSI members and friends entertained by comedian James Dorsey. The night concluded with the infamous Yankee swap! The construction toilet seat was voted the most audacious gift while the Justin Beaver Electric toothbrush was a close second. Mark Lapomardo was MC for the swap and did a great job with his rendition of the rules!



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Wayward websites

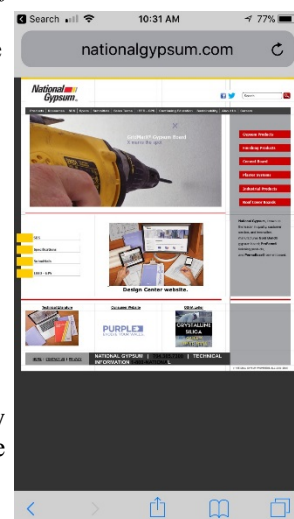
By Sheldon Wolfe

There's often a lag between the time something new comes along and the time it is fully incorporated into our lives or work. When websites first came online, in the mid-'90s, they had obvious potential but companies weren't sure what to do with them. As I recall, many of them focused on the history of the company, stocks and market activity, and various other things useless to most visitors. The content was what the company owner thought was interesting; it was not what the prospective customers needed. At the time, there wasn't much in the way of instruction for web designers and there were few rules about how to make a website work or what it should be. An architecture firm in my area had a beautiful website, graced by one the firm's most impressive projects. The problem was, it took forever to load. I analyzed the code and the files, and discovered they were using a huge image file. They apparently didn't know that there usually is no discernible difference between an image file of a few kilobytes and the same image in a two megabyte file.

Eventually, website designers grew familiar with HTML and the way web pages should be formatted, companies learned what users wanted, and users learned how to search websites to find what they wanted. Even though most websites weren't perfect and many had serious problems, websites became much better and continued to evolve.

And then, along came mobile devices. At first there were few problems, but in typical fashion, the more people used their smartphones, the more they expected from them, and the more they became like miniature computers, able to do most of what their larger cousins were able to do. Unfortunately, their size - the very thing that made them so useful and contributed to their rapid growth - limited the amount of information they displayed. Monitors had been growing in size for many years, and software was written to take advantage of the available space. Despite the obvious limitations of a small screen, users demanded that websites be fully functional on a smart phone, and website designers did what they could to make everything available to this new market.

All that makes sense, but instead of making *everything* work, computer and software designers merely moved the problem from one machine to another. The first image in this article is a screen capture



21 Adams St – Worcester, MA 01604

COMMERCIAL – INDUSTRIAL – CONSTRUCTION MANAGEMENT

RENOVATIONS - NEW CONSTRUCTION - DESIGN BUILD

Michael Lapomardo, CSI, CDT

Mark Lapomardo, CSI

from my iPhone. It's close to actual size, so you can imagine that it isn't easy to work with. The picture can be resized, though, making it easy to access the various options. The same image on my desk monitor fills the screen from top to bottom. All of the twenty-one links to other information are large enough to read, and all are visible at the same time.

I've been using multiple monitors for a few years, and I've found that I have not yet reached the point where I have enough of them. I used two (the notebook monitor plus one external monitor) for a few years, and acquired a third this summer. It's *so* much easier to work when several documents or programs can be displayed at once, rather than having to continually pull one on top of the others! The result of these changing technologies is that I finally have about as much monitor area as I want, but because of the drive toward

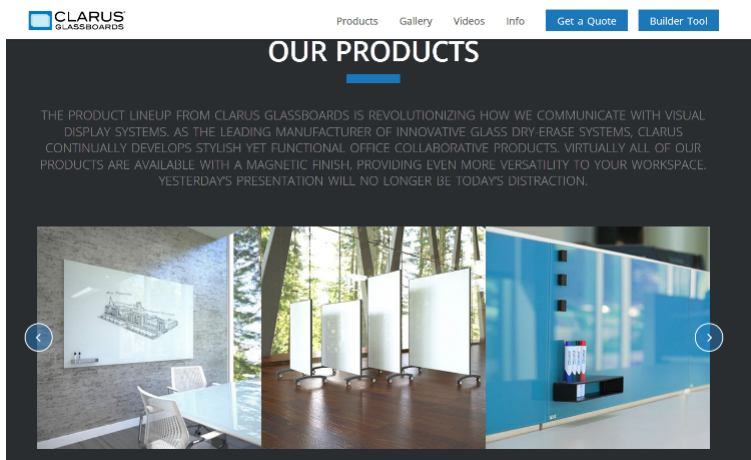


miniaturization, that space is poorly used by today's software. Here's a picture of my monitors:

Both are 24-inch monitors, with a viewing area 20-1/2 inches wide by 16 inches tall. That's 164 square inches, or 1.14 square feet per monitor. Total: 2.28 square feet. My iPhone has a screen that is 2-1/2 inches wide by 4 inches tall, total area 10 square inches, or 0.07 square feet.

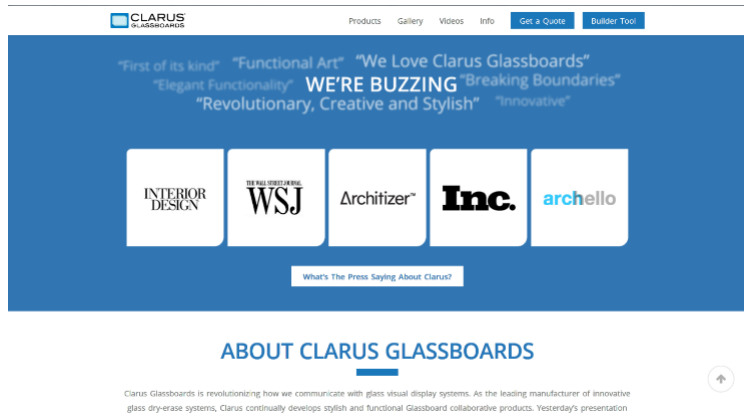
Now look at the websites on my monitors. Notice the inefficient use of more than two square feet to show two nearly full-screen images and a handful of words. That may work on my iPhone, assuming I wanted to try to use it to read large quantities of information, but it makes no sense on a standard monitor.

You might be inclined to dismiss this problem, knowing that it's easy to scroll down or choose a menu option. That would be fine, but the same format typically is used throughout the website. So, instead of being able to read a reasonable amount of text on that big monitor, the user is forced to scroll through huge graphics and choose options presented in oversized icons. Here are two more



examples that show how something designed for a tiny screen makes no sense on a monitor.

I can easily display two Word files on a single screen with a font size even I can read without my glasses, a total of about 1,000



words. With websites like those illustrated here, I might see only as much as 100 words plus a few icons on the entire screen!

Other irritating features of many sites are the pop-up and drop-down screens that often conceal much of the information that was present. Some of these suddenly appear or disappear as the cursor is moved, while others hang on until the cursor is moved to another place. The crazy thing is that many of these probably are award-winning websites. They can be beautiful, and the bells and whistles can be interesting, but instead of helping the user, they present more obstacles to finding useful information. In a way, they're like magazine architecture. Lots of wow factor, with function as an afterthought. There *are* ways that websites can detect what device you're using and modify the website content to fit. In fact, the Clarus and Deko websites use this technology. If you visit those sites, you'll see that the arrangement and size of the things you see will change as you shrink or expand the browser window. Unfortunately, the font size appears to be fixed, and while some images will change size, there seems to be a lower limit, and the sizes of many icons are fixed. So, despite the flexibility, the information density is high only on mobile devices, and what is seen on a large monitor is mostly empty space.

For an interesting discussion of current website layout, see <http://blog.teamtreehouse.com/which-page-layout>.

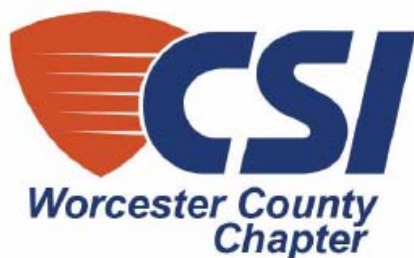
What has your experience been? Do you find yourself doing a lot more scrolling and searching now? How often do you look for product information with a smartphone instead of a computer? Do you write or read specifications on a smartphone?

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[Agree? Disagree? Leave your comments at https://swconstructivethoughts.blogspot.com/2017/12/wayward-websites.html](https://swconstructivethoughts.blogspot.com/2017/12/wayward-websites.html)



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HOW TO IMPLEMENT BIM: A PANEL DISCUSSION

WHEN: Tuesday January 16, 2018
5:00 – Networking
5:30 – Program
6:30 – Dinner

WHERE: Leo's Ristorante
11 Leo Turo Way
Worcester, MA 01604

COST: Program: Free
Dinner: \$20 (students free)



In case you haven't figured it out yet, Building Information Modeling, or BIM as its more commonly known by, is the new wave of future drafting and design. Its capabilities are being more and more recognized by various entities within our industry; from Architects to Contractors. The federal government even recognizes its capabilities and requires its use on contracts it awards. So, why is there such a reluctance for some firms to "upgrade" from 2D drafting? How about cost, overhead, and the overly complicated learning curve associated with the software.

This month's program will be a panel discussion made up of individuals from various backgrounds including a contractor, an architect, and a third-party BIM service provider that will help answer this and any other questions attendees may have. Each panelist brings with them a unique set of skillsets which will allow for a wide range of perspectives that the audience will be able to learn from; there should be something for everyone. The discussion will be moderated by a representative from an authorized Autodesk vendor. The topics of discussion are not meant to sell BIM, but, rather to discuss the obstacles associated with transitioning to this increasingly more common drafting software.



The program is approved by the AIA for 1 HSW continuing education credit. After participating in this program, attendees will be able to:

1. Identify projects where BIM is appropriate and those where it is not (ie: CAD vs. Revit).
2. Understand the obstacles and risks of using BIM.
3. Learn from shared experiences with those who have been successful with implementing BIM.
4. Learn how to determine whether to transition to BIM or outsource to a service.

So, come join Worcester County CSI for an informative panel discussion and determine for yourself if the BIM "Kool-Aid" is right for you!

Please RSVP to Terri Bracken at neregcsi@gmail.com

Membership Report - November 2017

Worcester members as of December 31, 2017

34 members
26 professional
5 emeritus
1 retired
2 student

Renewals: Thanks for Renewing:

Mr. Denis Gagnon, CSI
Mr. Lynwood Prest
Mr. Henry Camosse Jr

Members needing to be renewed this month:

Mr. Marty Helly, CSI
Mr. Robert Para Jr., CSI, AIA
Mr. Lynwood Prest, CSI
Mr. David Panich, CSI, AIA
Mr. John Massengill, MBA, CSI
Mr. Alain Stanislas, CSI

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One year = 10 Issues

1/16 Page 1 3/16" x 3 7/8"	\$100 Per Year
1/8 Page - 2 3/8" x 3 7/8"	\$150 Per Year
1/4 Page - 5" x 3 7/8"	\$300 Per Year
1/2 Page - 5" x 8"	\$500 Per Year
Full Page - 8 x 10"	\$750 Per Year Full Page
Limited 8" x 10"	\$100 Per Month

Editor: Roland M. Barrett

WorcesterShare Source Policy Statement

The Worcester County Chapter of CSI is made up of individuals associated with all areas of the construction industry, who meet to promote the interchange of information and experiences in various intimate venues on the third Tuesday of each month, except July and August. This audaciously, zesty publication is intended to further those goals but in that effort may publish material not reflecting the official views of the Construction Specifications Institute (CSI). Therefore, if in the course of digging for information, we should happen to get metaphorical dirt on anyone's nice new white shoes we apologize. Due to the litigious nature of our society and volunteer limitations, authors, the editor, and the shoe cleaning volunteer must disclaim any responsibility for anything herein written or implied. It is not our intention to offend anyone or imply endorsement of anything. We recommend you assume the same conditions apply to anything you read anywhere, it can't hurt.

