On March 14, 2016, RCI voting members elected Robert “Bob” D. Card, RBEC, RRC, RWC, REWC, to serve as the 2016-2017 RCI Secretary/Treasurer. I recently spoke with Card about his ambition to become an RCI leader. When he was serving on RCI task forces and committees and teaching classes, members would ask him why he didn't run for office. He was honored by the thought, but was content with his involvement.

Then in 2013, during the RCI convention, Card bumped into RCI Past President Robert “Bob” Elsdon, FRCI, RRO (2010-11 RCI president). Elsdon suggested he consider running for a position on the Board of Directors. He later spoke with Past President Bob Card continued on page 2

RCI is dedicated to the betterment of our industry, and nowhere is that more evident than at the local chapter level. Chapters are a cornerstone of this organization, and members’ efforts will ensure the future growth and development of RCI. RCI has many tools to aid chapters in their growth and management, but none is as important as the Outstanding RCI Affiliated Chapter Awards Program.

Many of you may know that 2016 witnessed a revitalization of the Chapter Awards Program and launch of a marketing campaign to help educate RCI members at the chapter level on its benefits and uses. The effort included a complete overhaul of the application, along with restructuring the points system and complete updating of the format for submission.

The Chapter Development Committee will be authoring a series of seven articles throughout the remainder of 2016, taking a more in-depth look at the updates to the program. This month covers the general purpose of the Chapter Awards Program, application instructions, the revised application format, and scoring procedures. It is our hope that through this series of articles, chapter leaders will be made fully aware of the recent changes and how to best implement the information and ideas presented.

General Purpose of Chapter Awards Program

Some believe the Chapter Awards Program pits chapter against chapter to see who has the best website or who gets their chapter calendar completed a full year in advance, but the opposite is actually true. It is not a competition. Each chapter is scored independently, with no consideration given to how you stack up to your neighboring chapters. At its core, the Chapter Awards Program is a guide book for a successful chapter.

As RCI and local chapter members, we move into leadership roles when we join the chapter's board or various committees. Many of us have had little to no previous

CHAPTER AWARDS SERIES continued on page 3
Richard L. Cook, Jr., FRCI, RBEC, RRC, RWC, REWC, RRO (2011-12 RCI president), and then First Vice President Sidney I. Hankins, III, FRCI, RRC, AIA (2014-15 RCI president), who helped to further convince him. He started looking at RCI leadership as an opportunity to have a broader impact in strategizing the future of RCI by helping establish goals and policies. With this in mind, he had a new perspective as he attended conventions and symposia. He asked himself, “Where’s the spice?” He wondered how to get diverse, knowledgeable, energetic individuals identified and involved to bring new vitality to the industry. This became the driving force for Card’s pursuit of a leadership position with RCI. He wanted to be part of an active Board of Directors that has “brilliant” ideas such as establishing the Emerging Professionals Committee and supporting legislative initiatives on procurement issues. Card said, “I’ve always learned that being a leader requires a task and a group. Becoming a leader helps keep RCI going and building by leveraging the group to accomplish needed tasks.”

Card noted how impressed he is with RCI’s growth, citing the difference in the number of presentations in the proceedings between the 2003 and 2016 conventions—the publication is now the size of a book.

When he was acting as an RCI course instructor, he enjoyed meeting other instructors such as Brian Gardiner, Jerry Teitsma, and Pat Downey, as well as attendees. He said teaching and attending RCI courses is a great way to meet people from different parts of the country in addition to one’s own region. With any organization, once a group grows beyond 30 people, it’s hard to manage; so being able to identify leaders such as region directors and chapter officers at events like these ultimately helps meet the needs of the members (they know we are listening and are not trying to recycle the same leaders). Card attended several different region meetings last year, as well as meetings of the SoCal, Wisconsin, and Western Canada Chapters, in addition to his own Puget Sound Chapter. It felt good to meet new people and have the opportunity to learn and network together, and then interact with these people at subsequent educational events, he remarked.

Card noted how RCI continues to develop and renovate courses such as the new Exterior Wall Quality Assurance and Sheet Metal Flashing courses, and the revision of the Rooftop Quality Assurance course [attended by many who are working toward attaining their Registered Roof Observer (RRO) designation]. He can’t think of any place besides RCI where one can build a foundation of knowledge in roofing, waterproofing, and exterior walls. RCI has an outstanding educational repertoire, but continues to look for new areas to build upon what Director of Educational Services Rebecca Cunningham, RA, LEED, AP, and Educational Advisor Jerry Teitsma, RCC, RRO, CCCA have developed.

Card explained that credentialing goes hand in hand with education. Once the Registered Exterior Wall Observer (REWO) credential is available, it will give a new group of people the opportunity to differentiate themselves from their peers and demonstrate credibility and professionalism in the industry. “The industry as a whole is being elevated by the education and credentials we provide. As consultants, we don’t manufacture anything such as widgets that can be measured in finite terms, but we measure subjectively, so the credentials and ethical standards give us the ability to help measure our service. Ethics are key to being the backstop for all members to work from.”

So far in his term as secretary/treasurer of RCI, Card is impressed with how the leadership process works on the Executive Committee, stating a great foundation has been laid upon which to build the tenets. He does not see his service as hard work because it is well organized. He only sees it as a benefit and enjoys working with other leaders, noting how impressed he is with RCI’s staff and how much they accomplish, along with the thoughtfulness and care they give. Card said he hopes this message encourages more members to get involved in leadership through committees, task forces, chapter boards, and the international board.

For more information about becoming a leader at the chapter, region, or executive level, contact your chapter’s president, your region director, and RCI Nominating Committee Chair Pat Downey, FRCI, RRC, CCCA, at 770-565-3016 or downeypl@merik- inc.com. Candidate nominees will be sought in the fall for the 2017 elections.

Articles on subjects that do not fit any given theme may be submitted at any time.

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<th>ISSUE</th>
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Submit articles or questions to Executive Editor Kristen Ammerman at 800-828-1902 or kammerman@rci-online.org.
experience operating in an environment such as this. The Chapter Awards Program was created as a tool to aid chapter leaders by assisting in the most difficult yearly tasks. Activities from transitions in leadership to accurate archival records are streamlined when the model set forth in the program is followed.

**Application Instructions**

At first glance, you will notice the application is now 100% digital, utilizing an Excel format to save and calculate total point accumulation as well as individual points per section. This update allows the user to concentrate on content rather than restating or summarizing previously entered information from page to page. The application has a concise instructions page (Tab 1) that outlines the easy to use step-by-step process for completing the application. A more formal structure has also been included to provide a uniform and consistent submission for all chapters. Included in the revised structure is a list of required attachments (board meeting minutes, seminar announcements, etc.) Each required attachment has a designated location for ease of use and to better accommodate the review process. The list of required attachments is included on Tab 2, labeled “Scoring and Award Levels.”

**Application Scoring**

As you dig into the nuts and bolts of the application, you will notice that the scoring rules and designations have changed. Previously the scoring was all-encompassing. There was one running total, and once your chapter surpassed the threshold of required points, it received a passing total. The new scoring method grades each section individually so you can know how separate aspects of your chapter are performing. For instance, Chapter Administration is graded separately from Education. This allows chapter leaders to identify strengths, as well as areas for growth. Basic sections such as Administration, Finance, Membership, and Education are required, with additional sections organized to help chapters become well rounded. A total point accumulation is still kept, but rather than utilizing the total to determine pass or fail ratings, it is used to classify the chapter as a whole. For example, a total of 122 points earns your chapter a “bronze level” classification, and 901 points classifies your chapter at the “platinum level.” A total of four classifications have been created: bronze, silver, gold, and platinum.

A total of six additional articles will be published in **RCItems**, covering the remainder of the application. See the following schedule:

- **August**: Application Summary Page; Section 1: Chapter Administration; Section 2: Finance; Section 3: Membership
- **September**: Section 4: Education; Section 5: Registration
- **October**: Section 6: Long Range Planning; Section 7: Archives
- **November**: Section 8: Marketing; Section 9: Technical Services
- **December**: Section 10: Philanthropic; Section 11: Industry Outreach
- **January**: Section 12: Chapter Awards

The Chapter Development Committee hopes you find this series of articles informative and helpful in your transition to the format. In addition to the publishing of each article, a short video will be posted on the RCI website under Member/Member Resources/Chapter Leadership Tools. The short videos will provide a guided tour through the application.

This year’s RCI Affiliated Chapter/Region Leadership Development Training Workshop will be held November 10-11, 2016, at the Embassy Suites in Cary, NC. The workshop is open to current chapter vice presidents, branch liaisons, and region directors. RCI will provide lodging at the Embassy Suites for November 9 and 10. Travel is the responsibility of the attendee. I challenge all chapters and regions to be represented at the workshop. It is more than just another seminar. The interaction and quality education will provide the necessary tools to move your chapter successfully forward.

As a committee, we are extremely proud of our organization, and the efforts it expends to help encourage and educate leadership at all levels. The continued success of RCI and the professionalism of our industry rely heavily on the development and growth of chapters. If you are currently involved at the chapter level, we thank you for your service. If you are considering getting involved, we hope you take that next step. Your time and effort will ensure the future success of RCI.

July 2016
With W. Clement Stone’s quote in mind, here are some of the thank you notes the RCI Foundations received from our college student sponsorship recipients in appreciation of their attendance at the RCI Convention and Trade Show, March 10-15, in Orlando, FL.

“If you are really thankful, what do you do? You share.”  
— W. Clement Stone

“I had a great experience at the Orlando Convention and Trade Show… I felt very welcomed by the RCI community. The seminars were interesting and relevant, and by talking to representatives from the different companies at the trade show, it allowed me to make connections and learn about materials. The award ceremony on the last day was also very unforgettable. RCI is a big family.”
— Stacy Sun, Ryerson University

“I am grateful to RCI for the wonderful opportunity it gave me! The atmosphere of the convention was amazing; everybody made you feel welcome...I personally loved the trade show floor...so many of the products, ideas, and people were very new to me, but I learned a great deal and everybody was considerate and did not have a problem answering my questions (even though some were probably obvious). Additionally, the “fun night” was very enjoyable and a great way to meet people and relax. Overall, I thoroughly loved the convention, gained valuable information, and would love to attend it again!”
— Abigail Campbell, Alfred State, the State University of New York College of Technology

“Attending the RCI Convention and Trade Show was an amazing experience for me. I learned so much valuable information that relates to not only what I’m learning at school, but also to my future career in the construction management field. A highlight for me was the short lectures that were very informative and interesting. The case studies helped me put into perspective problems in the field that I can expect to see once I begin my career next year. I really enjoyed meeting Michael Williams, who gave me a lot of insight into exterior building and waterproofing, as well as the consultant field. It was an honor and a pleasure to spend time with him over the weekend and learn from his wealth of knowledge. I would love to return to the convention in the future to absorb even more information.”
— Ethan Fregoe, Alfred State, the State University of New York College of Technology
B. REPORTS

In a January 2011 Interface article, Chuck Marvin, RRC, and Bruce Byrne described field investigations of three less-than-10-year-old buildings having comparable roof assemblies consisting of a flexible single-ply membrane set on bagasse fiberboard roof insulation placed directly on a steel deck. Among their findings, they reported that the decks were severely corroded, including portions that were rusted through to the extent that the potential for fall-through was “a real safety issue,” and thus needed replacement.

In March 2012, Mark Graham of the National Roofing Contractors Association (NRCA) reported that corrosion of metal fasteners and metal decks had been observed on projects that incorporated the use of “specific fiberboard insulation products” in low-sloped membrane roof systems. The article did not describe the corrosion protection of the metal components for the cases cited by the NRCA. The “specific fiberboard insulation products” were further defined within the report as bagasse fiberboard. Of note, this NRCA article cautioned—consistent with the admonition voiced by Marvin and Byrne regarding safety—that corrosion of the steel roof deck portions that directly contact the fiberboard insulation is “of particular concern because it can result in reduced load capacity of the roof deck and possible worker injury.”

In July 2012, Mark Hopmann and Kimberly Steiner also reported in Interface on field investigations of low-sloped roofing systems having a single layer of fiberboard roof insulation placed directly on steel decks experiencing corrosion.

C. RESULTANT HAZARDS

Corrosion of metal decks, if extreme, can:

- Create a lack of support for the roof assembly,
- Weaken the wind uplift capacity of the roof and deck,
- Reduce the load-carrying capacity of the deck, and
- Pose a potential hazard to the safety of those who access the roof and/or the building occupants.

Corrosion of metal fasteners, if extreme, can lead to premature failure of the fasteners and potentially weaken the wind uplift resistance of the roof assembly.

D. RCI CONSULTANT MEMBER SURVEY

To further examine corrosion issues associated with bagasse fiberboard roof insulations in low-sloped roof assemblies, the RCI-TAC conducted a survey of RCI consultant members in conjunction with the review of literature citations. The resultant information indicated that for most applications in which corrosion was observed for metal components (i.e., decks...
and/or fasteners) in direct contact with fiberboard roof insulation of any type, the corrosion was associated with roofs that were aged, leaking, and lacking maintenance. This general finding contrasted with the reported and confirmed premature corrosion cases addressed by this Technical Advisory. On the other hand, one survey respondent provided two reports that described corrosion of metal decks in contact with bagasse fiberboard roof insulation that was akin to the corrosion cases that Marvin and Byrne, and Hopmann and Steiner reported.

The responses to the survey came from a request to the general consultant membership of RCI. It is known that some RCI consultant members specifically involved with this issue, but still involved with a phase of argumentation/problem resolution, did not respond.

**E. ORIGIN AND DISCUSSION OF THE PROBLEM**

Although corrosion of metal decking has been confirmed, and discussion concerning the potential corrosion of fasteners is noted, the exact cause/source or mechanism of corrosion has not been fully determined at this time. Further, at this time, the origin of the corrosion has not been fully explained in the articles or resources used by those authors and cited above.

The majority of the industry currently believes that the corrosion problem may be related to the incorporation of bagasse fibers into fiberboard roof insulation. In all cases, the fiberboard roof insulations in the reported problematic roofs were believed to be bagasse-based fiberboard.

It is understood that bagasse fibers were used to produce fiberboard roof insulation at one manufacturing plant in the United States that is no longer in operation. The years of production of this bagasse fiberboard roof insulation at that plant were generally believed to be between 2001 and 2006. However, bagasse fiberboard has been manufactured since 1921 and was used as roof insulation for at least some of the 80 years prior to 2001.

Marvin and Byrne reported that prior to its use in insulation production, bagasse is treated with liquid chlorine to prevent the development of microbial growth during open field storage near the fiberboard production plant. This chlorine can remain in the finished fiberboard, and due to subsequent leaching, accelerate corrosion of metallic components during service when exposed to moisture from sources such as roof leaks and/or elevated humidity. [Note: The North American Fiberboard Association (NAFA) has informed the RCI-TAC that liquid chlorine was not applied to bagasse fiber during storage or any other step of the manufacturing process.]

Hopmann and Steiner considered Marvin and Byrne’s conclusion insufficient to cover all instances of corrosion associated with these products. Rather, in reporting on corrosion investigations of roofs incorporating bagasse fiberboard roof insulation, Hopmann and Steiner described that corrosive agents other than chlorine can come from the fiberboard material itself. Specifically, they reported that their findings revealed that corrosion of the metal components is related to carboxylic acid emission, water-soluble chlorides, or vapor-phase exposure to acetic acid from the bagasse fiberboard roof insulation products examined in their investigations. In support of this finding, Hopmann and Steiner referenced literature citations indicating that acetic and formic acids are known to be emitted from wood-based products upon exposure to elevated temperatures. In citing this literature, they cautioned that carboxylic acid emission could also occur with wood fiberboard products in roof assemblies. They also noted that no literature was found describing corrosion related to wood-based fiberboard roof insulation. [Note: Consistent with this latter statement from Hopmann and Steiner, the RCI-TAC found no reports of premature corrosion related to roofing applications caused by any fiberboard product except bagasse fiberboard.]

Neither the NRCA nor the NAFA has discussed the mechanism resulting in corrosion of metal fasteners and decks in contact with bagasse-based or other types of fiberboard insulation. The Steel Deck Institute (SDI) has stated that that the corrosion of steel roof decks is related to chemicals used to treat the bagasse during the production process. SDI provided no further details.

**F. SUMMARY**

Since 2011, there have been a limited number of documents in the roofing literature describing the corrosion of steel decks and/or fasteners in contact with fiberboard roof insulation. These reports have indicated that the corrosion has occurred at an accelerated rate and has been, in the extreme, extensive enough to cause life-safety concerns such as the potential for roof fall-throughs.

All reported corrosion issues, to the best of the RCI-TAC’s knowledge, have been associated with roof assemblies incorporating bagasse and not wood fiberboard roof insulation. The manufacture of bagasse fiberboard was reported to have ceased in 2006. To date, the mechanism resulting in corrosion problems has not been fully defined or described. To date, the RCI-TAC confirmed that occurrence of all reported corrosion issues have been localized in the Gulf States region of the United States. Other regions may have similar issues, but none have been confirmed.

For building envelope consultants, roofing contractors, and others who may have reason to inspect low-sloped roof assemblies with fiberboard roof insulation, it may be difficult to identify by visual observation only whether the insulation is bagasse-based or wood-based. Cane bagasse fiberboard has a slightly more course appearance but is very similar in appearance to wood-based fiberboard.

**G. RECOMMENDATIONS**

Review metal components for corrosion when performing an evaluation of an existing roof that contains fiberboard roof insulation. Special atten-
tion for buildings located in the Gulf States region of the United States is merited. Other regions may have similar issues, but none have been confirmed. It may be warranted to conduct a more thorough investigation when it is known that fiberboard has been incorporated into a roof assembly and especially when in direct contact with steel roof decks. Specifically, larger and more test cuts vs. cores, more comprehensive examination of the underside of the metal deck, a review of fasteners used in the system, and other potential points of corrosion are worthy of inclusion.

It is important to note that evidence of corrosion may not be readily visible or obvious from the underside. A review of conditions prior to accessing the roof is advised to ensure the safety of those persons accessing the roof.

H. REFERENCES
Chuck Marvin and Bruce Byrne, “Roof Decks Quickly Corroded by Insulation,” Interface, RCI, Inc., January 2011.
NAFA response to Marvin and Byrne, North American Fiberboard Association, January 2011.
NAFA comments on Hopmann and Steiner article, North American Fiberboard Association, June 26, 2013.
NAFA response to the Hopmann and Steiner article, North American Fiberboard Association, July 2013.

DISCLAIMER
This Technical Advisory is intended to serve only as a general resource and to identify potential issues for consideration by industry professionals. Each person using this Technical Advisory is solely responsible for the evaluation of the Technical Advisory in light of the unique circumstances of any particular situation, must independently determine the applicability of such information, and assumes all risks in connection with the use of such information. The materials contained in this Technical Advisory do not supersede any code, rule, regulation, or legislation and are not intended to represent the standard of care in any jurisdiction.

REGION NEWS

Region II Offers Educational Program in Georgia

Region II will be hosting an educational program on July 29, 2016, at the Hilton Garden Inn Atlanta Airport/Millennium Center in College Park, GA (hiltongardeninnatlanta.com). Registrants will be eligible for RCI Continuing Educational Hours (CEHs) and AIA learning units (LUs). There is limited tabletop exhibit space available for $250, which includes one individual registration for the program. Early registration will cost $80 for RCI members and $90 for nonmembers until July 15, 2016. After that date, prices increase to $90 for RCI members and $100 for nonmembers. Breakfast and lunch are included with each registration. Call the hotel at 866-454-5766 or 404-766-0303 to reserve a hotel room. Use the group name RCI Inc. – Region II Meeting. Room rates are $135 per night for single or double, plus taxes and fees. There is a complimentary airport shuttle to and from the hotel, and self-parking is available in a gated lot at $8 per vehicle.

The program schedule follows.

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<tr>
<td>7:30-8:30 a.m.</td>
<td>Registration, continental breakfast, visit tabletop displays, and network</td>
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<tr>
<td>8:30-10:00 a.m.</td>
<td>“Stone Wool: A Sustainable Insulating Alternative to Foam Plastics” by Michael Maguire, Roxul USA, Inc., Byhalia, MS</td>
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<tr>
<td>10:00-10:30 a.m.</td>
<td>Break, visit tabletop displays, and network</td>
</tr>
<tr>
<td>10:30 a.m.-12:00 p.m.</td>
<td>“Air Barriers: Purpose, Technologies, and Challenges” by Jennifer Kelly, USG Corporation, Chicago, IL</td>
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<tr>
<td>12:00-1:00 p.m.</td>
<td>Lunch</td>
</tr>
<tr>
<td>1:00-1:30 p.m.</td>
<td>Region II business meeting</td>
</tr>
<tr>
<td>3:00-3:15 p.m.</td>
<td>Break, visit tabletop displays and network</td>
</tr>
<tr>
<td>3:15-4:45 p.m.</td>
<td>“Code Requirements for Reroofing Projects” by Derek Cundiff, Cornett &amp; Cundiff, Inc., Roanoke, VA</td>
</tr>
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For more information, contact Region II Director Scott Hinesley, RRC, PE, by e-mail at shinesley@reiengineers.com or by phone at 704-596-0331.
STAFF NEWS

Birdsong and Teitsma Celebrate 15 Years With RCI

By Kristen Ammerman

At the 17th Annual RCI Convention, in April 2001, RCI hired James R. Birdsong as its executive director. At the same time, it landed Gerard “Jerry” Teitsma as its first Director of Educational Services. Fifteen years later, the association has come into its own as a lead player in the building envelope industry, with James and Jerry playing key roles in its development.

In 2001, RCI had eight staff members, a budget of $1.35 million, 1550 members, and a financial deficit of approximately $90,000 with no operating reserves. RCI offered four basic roofing classes and a building envelope symposium, in addition to the Annual Convention and Trade Show. Today there are 20 employees, an annual operating budget of $3.5 million, 3200 members, and retained revenue of $1.6 million. RCI now offers approximately 20 educational classes annually across the U.S. and Canada, and online to hundreds of individuals, and is a leader in quality building envelope education. The annual convention attendance has grown from 675 in 2001 to over 1600 in 2016, and convention revenues have grown from $375,000 to over $1 million during that time.

Birdsong and Teitsma have helped to steer this growth and success.

Prior to joining RCI, James (Jim) Birdsong had a solid background in association management. He began his career as a staff director with the National Conference of States on Building Codes and Standards. He later spent 14 years with the National Association of Homebuilders (NAHB), a 200,000-member association in Washington, DC, as a staff vice president. Just prior to joining RCI, he was the president and chief executive officer of the National Sash & Door Jobbers Association in New Port Richey, FL. He has been a member of the Industry Sector Advisory Committee on Building Products and Other Materials for Trade Policy Matters through the U.S. Department of Commerce and was the secretariat for the International Building Conference, headquartered in Paris, France. He has been a member of the American Society of Association Executives (ASAE) for 30 years.

After his first three years with RCI, James was named Executive Vice President and Chief Executive Officer (CEO) of the association. In this role, he works very closely with the Board of Directors, Executive Committee, and staff to grow and develop the organization.

Jerry Teitsma was already well known in the roofing education field when he joined the RCI staff. He was a longtime member of RCI and a Registered Roof Consultant (RRC) who later earned his Certified Construction Contract Administrator (CCCA) certificate from CSI.

At the beginning of Jerry’s career with RCI, he undertook a detailed review of each class, systematically updating content and references. For the next several years, he served as the primary instructor for each on-site class. This brought about the desired consistency and high level of professionalism that has built RCI’s reputation as a leading provider of education in the building envelope industry.

Prior to working for RCI, Jerry had most recently been associated as an educator with the Roofing Industry Education Institute (RIEI). After earning a bachelor of science in wood technology and a master’s in building construction from Michigan State, he worked for Dow Chemical as a research associate and section manager for the roofing products development division, becoming Dow’s principal developer of protected membrane roof (PMR) systems. He taught courses at the University of Nebraska. In the mid ‘80s, he formed his own roof consulting business, Roof Systems Consultants, in Roswell, GA. In the late ‘80s and into the mid ‘90s, he owned Styro Systems, Inc. and Insulation Systems of Georgia as a manufacturers’ representative and roofing distributor, and was active in CSI.

In 2010, Jerry (who has worked from his home base in Colorado) stepped down from his director position into “semi-retirement,” and RCI hired Rebecca Cunningham as Director of Educational Services. Jerry transitioned to educational advisor/consultant, continuing to teach several classes a year and playing a vital part in the development of new classes and the addition of online classes.

The association has done great things over the past 15 years through the direction, dedication, and service of James Birdsong and Jerry Teitsma.
On May 16, an educational dinner was held at Sullivan Engineering’s office in Totowa, NJ. It included two educational presentations worth 2.0 continuing educational hours (CEHs), a product demonstration, and a catered dinner. Dave Carroll, Sr., technical manager at York Flashings, presented “Through-Wall Flashing Compatibility, Sustainability, and Performance.” Mark Bruton, technical director at TQ3, presented “Cold, Fluid-Applied Waterproofing System With Instant-Setting Membrane.” Both presentations addressed concerns of façade and roof consulting as we continue to expand our educational offerings to include the entire building envelope.

The event was a tremendous success, with over 30 attendees present for both presentations. We are looking forward to holding two other events this summer before our all-day educational event in the fall. Visit the Delaware Valley Chapter website at www.rcidelawarevalley.org for further information.

— Michael Frech
Delaware Valley Chapter President
**SoCal Chapter Holds Waterproofing Presentation**

On April 6, 2016, the SoCal Chapter successfully hosted its first technical meeting of 2016. It consisted of networking and a presentation, “Challenges With Below-Grade and Horizontal Waterproofing Systems,” by Paul Miller of AVM Industries, during dinner. Miller refreshed the crowd on common waterproofing pitfalls and best practices when designing below- and above-grade systems that he gained from his experience working for several leading waterproofing manufacturers.

The event was hosted at a familiar setting, JT Schmid’s Restaurant and Brewery, in Anaheim, CA. We occupied both meeting rooms at the restaurant to accommodate the sell-out crowd of 80, the largest we’ve ever hosted for a dinner meeting. Attendees enjoyed a buffet-style dinner and earned 1.0 CEH/LU approved by RCI and AIA.

The event turned a small profit, thanks to sponsorship from D.M. Figley, Hydro-Gard, Polyguard Products, Sunshine Supply Company, and W.R. Meadows, who provided tabletop exhibits.

Chapter board member Ed Sapigao of SC Consulting Group staffed our RCI booth and solicited the benefits of RCI membership to nonmember attendees. We would like to extend special thanks to chapter Treasurer Moira Howmann of Sunshine Supply and volunteer Danielle Ward of Specified Sales, Inc. for greeting guests and smoothly handling the check-in process.

— Szymon Zienkiewicz
SoCal Chapter Vice President

**Blue Ridge Branch Learns About Slate**

The Blue Ridge Branch of the Mid Atlantic Chapter of RCI organized a tour of two slate facilities in Buckingham County, VA, on May 25, 2016. The tour of Buckingham Slate and James River Slate quarries and production lines was attended by 21 members of the Blue Ridge Branch. Consultants, observers, facilities managers, and contractors from Virginia, Maryland, and North Carolina attended. The Blue Ridge Branch hopes to offer another similar outing in the fall.

For more information about the Mid Atlantic Chapter Blue Ridge Branch, contact branch Liaison Derek Cundiff at 540-344-9095 or derek@comettcundiff.com.

— Derek B. Cundiff, RRC, AIA
Mid Atlantic Chapter Blue Ridge Branch Liaison
On May 6, 2016, after a week of rain and storms, the skies cleared and the weather cooled, creating a beautiful day in Lakeland, FL, for the RCI Florida Chapter 2016 educational program kickoff. The educational seminar conducted at the Hilton Garden Inn was opened by chapter President John Kuchler, RRO. He thanked the chapter’s “Raise the Roof” sponsors: ACAI Architecture and Engineering, Derbigum, Duro-Last, Fibertite Seaman Corporation, and Soprema. The chapter’s annual sponsors—Carlisle Syntec Systems, GAF, JohnsManville, Turnkey Roof Consulting, and USG Securock Brand—were also recognized.

Attendees were treated to a range of speakers offering a broad mix of subject matter, including commercial, residential, building envelope, and photovoltaic installations. The content, expertise, and communication skills incorporated into the seminar by the presenters benefited everyone. Additionally, each participant was awarded 5.0 CEHs.

The day’s presentations began with Brad Powers, Derbigum’s southeastern U.S. regional manager, who presented “APP- and SBS-Modified Bitumen.” He explained the history and development of modified bitumen, highlighting the technology, physical properties, reinforcements, application methods, and advantages of each type of material.

The next presenter was Dave Schultz, Fibertite territory manager, Seaman Corporation. He provided an overview, “What Makes a Membrane KEE?” Ketone ethylene ester (KEE) was described as a high molecular-weight solid plasticizer to reduce the pace of plasticizer migration. It was further explained that KEE membranes can be in contact with asphalt, but are not affected by hydraulic fluids. KEE membranes can be in contact with extruded polystyrene (XPS) board insulation.

After a break and networking session with sponsors and exhibitors, Jennifer Kelly, USG Roofing Solutions, discussed “Air Barriers: Purpose, Technologies, and Challenges.” She explained that the air barrier is a material or an assembly designed to control the airflow between a conditioned space and an unconditioned space. The importance of air barriers in construction, materials, components, accessories, and assemblies was explained, and the increased need for air barriers was explored. Topics included reducing building enclosure moisture problems, improving indoor air quality, reducing heating and cooling loads, and the overall durability and sustainability of buildings.

After a hearty tailgate-style buffet lunch was served, Clinton Sockman, vice president of Advanced Roofing and Advanced Green Technologies, presented “Roof-Mounted Photovoltaic Systems.” The growth of the industry, technology selection, site condition assessments, racking systems, roof system design considerations, and applicable codes and standards were discussed as a part of the comprehensive presentation.

The last segment of the day’s educational event was provided by Scott Ariail and Chris Masson of GAF. They presented “Making Performance Count in Asphalt Shingle Standards: ICC-ES AC-438.” They explained existing shingle testing and codes, which take into consideration mostly manufacturing processes and not a lot of performance requirements. Extreme conditions, such as fire resistance, were also discussed. It was pointed out that AC-438 requires additional testing of asphalt shingles in the case of weather resistance, temperature cycling, and wind-driven rain. The benefits of a higher level of performance, more realistic weathering tests, and a better indication of longevity were highlighted advantages that better serve the market.

Before the session concluded, the attendees were made aware of recent testing of electro-galvanized roofing nails throughout the state. Specific restrictions are in place in Broward and Miami-Dade Counties regarding the use of roofing nails.

Upcoming Florida Chapter educational events include:
- A July educational seminar in Pompano Beach, FL. Details will be announced soon.
- The RCI Rooftop Quality Assurance Course is scheduled for December 8-9, 2016, at the Fairfield Inn and Suites in Orlando, FL. Attendees will be informed in advance with instructions on how to schedule the RRO examination with Castle Worldwide, RCI’s examination testing company, after approval of an application with RCI.

For more information about these events or upcoming chapter social happenings, check the RCI Florida Chapter website at www.rciflorida.org.

— Michael L. Goolsby, RRC, CDT, LEED BD+C, CBO
Florida Chapter Past President
John McDermott began his presentation by identifying common roof factors of sustainability and energy efficiency, such as reflectivity, emissivity, thermal shock, renewable resources, heat island effect, and geographical location. Typical roof sustainability terms, like Cool Roof Rating Council (CRRC), EnergyStar®, and LEED®, were defined as applicable to “cool roofs” and related roof coatings. The benefits of cool roofing were described as accruing to the building itself, the local environment and community, and the owner. He then briefly described types of sustainable coatings, substrate preparation, and installation techniques. He also touched upon code compliance and the impact on cool roof product selection. In conclusion, knowledge of sustainable factors can help the building owner save both energy and money, while also helping the environment and improving building safety.

The next chapter program will be the annual late summer/early fall meeting on September 16 (location to be determined). Program topics and speakers will include “Building Envelope Commissioning: What Is It? What Is the Value? How Does it Impact Me?” by Derek Cavataio, RRO, with Intertek-Architectural Testing (ATI), and “Use of Snow Retention Devices: Science or Science Fiction?” by Harry Lubitz, CSI, CDT, with S-5! Metal Roof Innovations, Ltd.
On May 24, 2016, the SoCal Chapter board held a two-hour lunch meeting at Old Ranch Country Club in Seal Beach, CA. The following board members and guests were in attendance:

- Dean Larsen, president
- Szymon Zienkiewicz, vice president
- Gary Weaver, secretary
- Kyle Eazor, consultant director
- Ed Sapigao, consultant director
- Ron Johnston, industry director
- Danielle Ward, guest
- Greg Morrow, guest

The meeting began with reading of RCI Article 21, Anti-Trust Compliance Policies and Procedures, and review and approval of the past meeting minutes. The board reviewed the current financial statements and the IRS tax return. The chapter is in good shape.

Szymon Zienkiewicz discussed the survey results for future programs and facility use for the 2017 Hawaii Winter Workshop. A contract is in place for January 23-24, 2017. Discussion of meeting topics and speakers for the 2017 meeting and total financial commitment for the event will follow.

Danielle Ward provided the Golf Committee wrap-up, reporting a $10,000 increase in profit over last year. Discussion was held about increasing total golfers to 180 vs. 160 this year by starting earlier and going to a five-player group format instead of four players. This will increase time on the course, but the earlier start will allow people to finish on time. Cooler temperatures influenced dinner and raffle attendance, as many people left early. The board will discuss this further at its next meeting. The board voted to reserve the golf course for a full day on April 13, 2017, instead of three-quarters of a day as in the past.

Dean Larsen gave an Education Committee recap on the May 10, 2016, OC CSI/SoCal RCI event, “RH Testing of Concrete Slabs.” There were 35 RCI attendees present and five tabletop exhibits. The next program is the ICRI/RCI event, “Weather-Exposed Concrete Walls and Decks” on July 21, 2016, from 11:00 a.m. to 3:00 p.m. Szymon Zienkiewicz reported on the “Assessment, Repair, Waterproofing, and Maintenance” event. It will consist of two separate half-day meetings, including lunch. September, October, and November meeting dates and topics are open. The chapter had one inquiry about giving a presentation on air barrier and wall sheathing. Ron Johnston suggested topics that are of interest to roofing and waterproofing contractors. He will seek topics that attract more roofing industry members. Board members were encouraged to submit potential speakers and topics. Dean Larsen noted the “Building Enclosure Design/Construction Meeting Focused on Energy” October 2016 is to be determined. Joe Pinon and Colin Shane submitted topics on wall/energy design considerations. This will be 1 or 1½ hours long. Additional presentations are needed from both consultant and contractor members to provide 6.0 CEHs.

The December 2016 annual holiday party was discussed, and Moira Howmann and Danielle Ward have potential meeting sites in mind for discussion at a future board meeting, but ask that venue and comments regarding the 2016 holiday event be submitted to Howmann. There was discussion of possibly returning to the Yard House in Long Beach and Western Waterproofing helping with the event.

The board discussed the RCI-mandated change of the chapter bylaws to reflect the update of member type from “Professional” to “Consultant” and agreed to update verbiage with respect to branches as well.

The board agreed to make a donation to the foundation established by the family of Hugo Medina of AAA Roofing. He was a victim of an asphalt tanker explosion.

Larsen updated the board on the chapter’s insurance policies for the upcoming year, reporting that the chapter now covers directors and officers, employment practices, professional liability, general liability, cyber liability, and an umbrella policy for general liability.

The board discussed the upcoming conference call regarding the establishment of a San Francisco Bay Area branch of the SoCal Chapter of RCI. Presently, there are approximately 12 people interested in getting involved with organizing a branch.

On behalf of the Membership Committee, Ed Sapigao reported that a membership booth had been set up for the golf tournament.

The board discussed having a long-range planning meeting for a half or full day. Ron Johnston will seek a potential organizer and report to the board. Discussion of the board member election process and nominees for the fall board election ensued. The goal is to begin the process in the summer and have a slate by September. The election process requires further discussion, as the SurveyMonkey voting ballots from the last election were sent to junk mail.

The board meeting concluded with a report from Ed Sapigao on behalf of the Technical Committee. He discussed an abstract for exterior building enclosure commissioning. This technical program must go through the Education Committee and will be discussed further at the next meeting.

— Dean Larsen, RRC, RRO
SoCal Chapter President
The Mid America Chapter (MAC) presented its spring educational event on May 24, 2016, at the Builders Training Center in Kansas City, MO. Attendees earned 4.0 RCI CEHs and a Health, Safety, and Welfare credit of one hour. The program provided an update on Factory Mutual and UL approvals on green roof designs, OSHA updates on silica, LEED credits for roof recycling, and new single-ply applications and advantages in cold-applied systems.

The chapter’s Mid-Summer Educational Program and Golf Outing is scheduled for August 18, 2016, at the Railwood Country Club in Holts Summit, MO. There will be a minimum of 2.0 CEHs for the educational portion of the event. Registration information will be forthcoming, or contact chapter President Robert Boessen, RRC, CDT, at rboessen@reagan.com.

— Joyce M. Beach, RRO, CDT
Mid America Chapter Secretary

Cory Rohs with 3E Safety, receiving a certificate of appreciation from chapter Secretary Joyce Beach for his presentation, “Safety 102/Health Safety and Environmental.”

Dan Doty with GAF, receiving a certificate of appreciation from Secretary Joyce Beach for his presentation, “LEED Roofing Recycling.”

Dwight Stone with Johns Manville, receiving a certificate of appreciation from Secretary Beach for his presentation, “Single-Ply Systems.”

Teresa Nelson with RoofTop Sedums, was recognized by Secretary Beach for her presentation, “Green Roof Design Considerations.”

Dan Hafley with Derbigum Americas, was recognized by Secretary Beach for his presentation, “Advantages of Cold-Applied Roofing Systems.”

David Allor with OMG was recognized by Secretary Beach for his presentation, “Induction Welding.”

July 2016
Keener Joins Terracon

Kerry A. Keener, RRO, was hired May 23 as senior project manager of the building environment group at Terracon, in San Antonio, TX. He is responsible for condition reports and assessments for building envelope areas such as roofing, fenestrations, windows, and walls. He is tasked with the daily management of several major clients of Terracon, as well as mentoring younger technicians and managers in the company with their career development endeavors.

Keener has been involved in the building envelope industry for 28 years and has a bachelor’s degree from Franklin College, in Franklin, IN. He is a Consultant Affiliate member of RCI, has earned his Registered Roof Observer (RRO) designation, and is currently working on attaining his Registered Roof Consultant (RRC) credential. Keener graduated from the United States Army Corp of Engineers Security Engineer School and the U.S. Army Antiterrorism Officer School during his employment with the federal government. He has vast experience in designing antiterroism measures in buildings that fall under the Uniform Facilities Code.

Keener can be reached at 210-714-2101 or at pete.keener@terracon.com.

Great Lakes Chapter Holds Putting Competition

The Great Lakes Chapter hosted its Eighth Annual Putting Competition at the Southeastern Michigan Roofing Contractors Association (SMRCA) golf outing on Monday, May 23. Congratulations to Cougar Garey with Billy White Roofing, Jackson, MI, for putting it closest to the hole at 16¾ in. Have fun with the extra $250 in your pocket, Cougar!

Please mark your calendars. The balance of our 2016 event schedule consists of:

- **August 17**: Join us for a baseball game, as the mighty Detroit Tigers take on the Kansas City Royals at Comerica Park. There will be a tailgate party prior to the game, where our chefs, Tim Baumberger and Russ Watson, will cook typical baseball game delights. This event gets bigger every year and is always a hoot.
- **September 12**: Benefit golf outing at Walnut Creek Country Club, South Lyon, MI
- **October 20**: Fall technical session at Local 149 Apprenticeship Training School, Oak Park, MI
- **December 1**: Annual meeting and banquet at Walnut Creek Country Club, South Lyon, MI

Details will be sent to the membership well in advance of all scheduled events. Volunteers are important to any organization. If you would like to help the Great Lakes Chapter, please call or e-mail chapter President Ron Kinne at 734-591-4444 or rkinne@rtaltd.com.

— Sue Baumberger
Great Lakes Chapter Industry Director

TAC Wants to Hear Your Industry Concerns

The RCI Technical Advisory Committee (TAC) needs your input. As you encounter topics, issues, or concerns, please notify the TAC so those issues or concerns may be considered for possible advisory development. Technical advisories are developed and approved by the TAC, reviewed and approved by the RCI Board, and then posted to the RCI website for use. No topic is too large or small to be considered. Feel free to e-mail or call Walt Rossiter, RCI staff liaison to the TAC, at wjrossiter@verizon.net or 301-253-3534, or RCI TAC Chair Douglas Stieve, RRC, AIA, at 212-760-2540 or dstieve@wje.com.

2017 RCI Document Competition

**Earn RCI Dollars and Other Incentives**

The winners of the 2017 RCI Document Competition will receive a plaque and recognition during the annual awards luncheon at the 32nd RCI International Convention and Trade Show, publicity of their winning projects in Interface, and RCI Dollars. Prizes will be awarded to nine winners in three categories.

**Large Project | Small Project | Report**

First-place winners .......... 1,000 RCI Dollars
Second-place winners ...... 500 RCI Dollars
Third-place winners ........ 200 RCI Dollars

RCI Dollars will be redeemable for any product or service provided by RCI or the RCI Foundation. RCI Dollars are redeemable by the award winner or by anyone specifically designated by the award winner. Use winnings for yourself or to help a friend or colleague buy a reference book or attend a seminar.

**Entry deadline: October 31, 2016**

**Download Your Entry Form Today!**

www.rci-online.org/document-competition.html

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Farahmandpour Published in NAFE Journal

RCI Consultant member Kamran Farahmandpour, FRCI, RRC, RWC, REWC RBEC, PE, CCS, CCCA, principal of Building Technology Consultants, Inc., authored the recently published article, “Forensic Investigation of Water Leakage Issues into Buildings, Recreating the Leaks Versus Determining the Cause” for the National Academy of Forensic Engineers (NAFE) Journal. The article provides an overview of typical construction defect claims, and examines how the lines of contractual obligations can impact the scope of investigation by a forensic engineer.

Got Member News?

Hired by a new company? Started a new business?
Opened a new branch of your business or hired new consultants?
Get your news in front of other members.
Send your company news for publication in RCItems to Katey Lempka at klempka@rci-online.org. Write “Member News” in the subject line. Make sure we have your contact information in case we have questions.

New Members for May 2016

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<tr>
<th>Name</th>
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Membership Classification Key:
C = Consultant, CA = Consultant Affiliate, I = Industry, IA = Industry Affiliate, A = Associate, QAO = Quality Assurance Observer, FM = Facility Manager, S = Student

July 2016