



Also Inside: REGION NEWS • CHAPTER NEWS • MEMBER NEWS • FOUNDATION NEWS

Many Opportunities at the RCI Building Envelope Technology Symposium

By Catherine Moon

Why not take the opportunity to attend the RCI Building Envelope Technology Symposium in beautiful uptown Charlotte, NC, on October 10-11, 2011? It's not too late to register online, and on-site registration will also be available.

The program is geared toward building envelope professionals, architects, engineers, contractors, and facility man-



Skylines of uptown Charlotte, including the Westin.



Glory Road mimics various degrees of banking at racetracks, including the impressive 33-degree incline found at Talladega Superspeedway. Fans have the opportunity to walk on the surface and experience the high banks at 14 and 33 degrees.



agers—anyone involved with maintaining or designing building envelope systems. It offers cutting-edge information on design, construction, maintenance, and repair of building envelopes and allows attendees to converse with speakers.

NASCAR Hall of Fame.

What better place to get answers to your questions?

Attendees will receive proceedings of all presentations, a total of 12.0 RCI CEHs or 12.0 AIA LUs, and breakfast and lunch each day. In addition, there will be the opportunity to network with RCI members, friends, and colleagues at an evening reception on October 10.

The following speakers and presentations have been selected by the RCI Building Envelope Symposium Committee:

- **What Do You Mean There Is No Base Flashing Height? How to Detail Your Way Out Of (Almost) Anything**
Jeffrey Levine – Levine & Company, Ardmore, PA
- **Common Installation Problems for Aluminum-Framed Curtain Wall Systems**
Amy Peevey, RRO, PE, CDT – Building Exterior Solutions, LLC, Houston, TX
- **Preventing Failures in Hot-Applied Rubberized-Asphalt Systems**
Anthony Nicastro, PE – Simpson Gumpertz & Heger, Inc., Rockville, MD
- **Recladding Case Study: CUNA Mutual Insurance Society Building**
Thomas M. Gernetzke, RRC, RWC, REWC, RBEC – Facility Engineering, Inc., Madison, WI
Fred Kinatader – Kinatader Masonry, Inc., Madison, WI
- **A Rising Concern: Failures of Adhered Rigid Insulation**
Nicholas A. Piteo, PE – Simpson Gumpertz & Heger, Inc., Rockville, MD
- **The Latest and Greatest Enclosure Systems...Never Mind**
Mark Morden, CCS – Wiss, Janney, Elstner Associates, Inc., Seattle, WA
- **Nonconventional Approaches to Façade Restoration**
Edward A. Gerns, RA, LEED AP – Wiss, Janney, Elstner Associates, Inc., Chicago, IL

SYMPOSIUM continued on page 2

Rachel L. Will, PE – Wiss, Janney, Elstner Associates, Inc., Chicago, IL

• **Going Beyond the “Green Fuzzy”: Measuring Runoff Reduction of Modular Vegetative Roofs**

Elizabeth J. Grant, PhD – School of Architecture & Design, Virginia Tech, Blacksburg, VA

• **Design Considerations for Open-Joint Rainscreen Cladding Systems**

Stéphane Hoffman, PEng – Morrison Hershfield, Bellevue, WA

José Estrada, RRO, EIT – Morrison Hershfield, Bellevue, WA

• **Thermal Performance of Three-Dimensional Building Envelope Details**

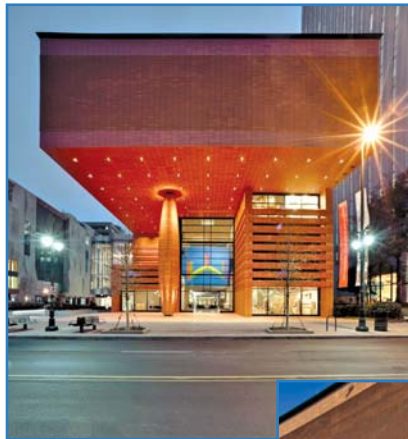
Medgar Marceau, PE – Morrison Hershfield, Bellevue, WA

• **Performance Concerns With Wood-Framed Attics**

Ariel Levy, PE – RDH Building Sciences, Inc., Portland, OR

• **Effects Causing Wintertime Condensation Particular to High-Rise Buildings**

Matthew E. Novesky, RA, NCARB – Wiss, Janney, Elstner Associates, Inc., Chicago, IL



Bechtler Museum of Modern Art.



Le Grand Oiseau de Feu sur l'Arche, commonly referred to as “The Firebird,” a 17-ft, 5-in, 1,433-lb mirrored mosaic sculpture by Niki de Saint Phalle. It is a permanent fixture of the Bechtler Museum of Modern Art collection.

Not only do RCI symposium attendees benefit from professional presentations from the leader in building envelope education, but they also can discover the latest products from exhibitors and sponsors. Check out the following while you're at the symposium:

Sponsors

- Air Barrier Association of America
- Architectural Building Components
- Firestone Building Products
- Huber Engineered Woods
- Infra-red Analyzers, Inc.
- Johns Manville
- J.R. Jones Roofing
- Polyguard Products, Inc.
- PROSOCO, Inc.

- Sika Sarnafil
- Siplast
- Soprema, Inc.
- Stockton Infrared Thermographic Services, Inc./RoofScanIR
- STS Coatings
- United States Gypsum Company



Carolina Panthers stadium.

Exhibitors

- BASF Polyurethanes
- BASF Wall Systems
- Carlisle Coatings and Waterproofing
- Colbond, Inc.
- Demilec USA, LLC
- Duro-Last Roofing, Inc.
- ES Products, Inc.
- Hartsfield & Nash Agency, Inc.
- Hunter Panels
- Momentive Performance Materials, Inc.
- National Fenestration Rating Council (NFRC)
- Nationwide Foam, Inc.
- Quest Construction Products/United Coatings & Hydro-Stop
- Roxul, Inc.
- VP Buildings, Inc.
- Wausau Tile, Inc.



Carolina Panthers sculpture at entrance of stadium. Photo courtesy of Robert Keck.



Another perk to attending the RCI Building Envelope Technology Symposium is staying at the Westin, a Portman-designed hotel in the heart of it all in uptown Charlotte. (Charlotte is fondly referred to as the Queen City and is named after Queen Charlotte, the wife of King George III of England.) Some nearby attractions include the Bank of America Stadium, home of NFL's Carolina Panthers; the NASCAR Hall of Fame, for which internationally renowned Pei Cobb Freed & Partners led the building's design; and the Bechtler Museum of Modern Art, designed by Swiss architect Mario Botta; as well as many shops and restaurants to visit along quaint, sculpture-adorned streets. Speaking of the Panthers, they are playing a home game against the New Orleans Saints on Sunday, October 9, at 1:00 p.m., the day before the symposium. What a great opportunity to attend a game while you're in town!

We look forward to seeing you at the symposium. For more information, call RCI at 1-800-828-1902 or visit the RCI Web site at www.rci-online.org.

NIST Embarks on Construction of a Net-Zero Energy Residential Test Facility

By Walt Rossiter



Most RCI members recognize that buildings presently represent the largest energy-use sector in the United States—about 40% of the total consumption in the country. They are also aware that we, as a nation, have been in this situation for many years in spite of the many long-standing efforts to render our buildings more energy-efficient. Moreover, forecasts for future energy use indicate that the building sector will continue to grow. Realistically, actions need to be taken to dramatically control this state of affairs.

On the positive side, the building community is seemingly becoming more cognizant of the need for sustainable construction, with its tangible benefits of reduced energy use. Among the efforts being made in this direction are the design and construction of net-zero energy buildings. For the purposes of this article, I have chosen a plain definition of a net-zero energy building that suits many professionals in the field. Simply put, a net-zero energy building is one that produces as much energy as it uses on an annual basis through renewable energy resources such as solar thermal systems, solar photovoltaic systems, and small wind turbines. Much is being done in this area, as readily evidenced by a search of the topic on the Internet.

The National Institute of Standards and Technology (NIST) has entered the research arena on net-zero energy buildings in a major fashion. Last March, NIST broke ground on its campus for the construction of a two-story, single-family, test facility residence that is designed to produce more energy annually than it consumes. The facility is expected to be fully operational in the spring of 2012. The overall goal of the program is to enable the development and demonstration of the measurement science needed to achieve net-zero energy residential homes.

This NIST test facility residence is similar in size, features, and aesthetics to many typ-

ical homes in Gaithersburg, MD, in suburban Washington, DC, where NIST is located. An initial goal of the program is demonstrating that such a typical home can achieve net-zero energy status without alterations in size and features or loss of aesthetics. The premise is that buyers would not have to consider a nontraditional construction for their homes.

This NIST test residence is south-facing, with 2,700 sq ft of floor space on two stories and an additional 1,400-sq-ft basement. For control of energy consumption, the residence has an extraordinarily well-insulated and extremely tight envelope. For example, the basement slab, the above- and below-grade exterior walls, and the roof (ceiling) will have target R-values reaching 10, 23, 45, and 72, respectively. Acute attention is paid to detailing the envelope. All ductwork is within conditioned space. A number of other advanced energy technologies, including advanced framing and insulation techniques, are to be incorporated, along with energy-saving appliances. For energy production, solar photovoltaic collectors for electricity cover the main section of the south-facing pitched roof. Solar thermal collectors for hot water are mounted on a sloped roof of a one-story front porch.

Models used in the design of the facility predict that it should produce more than 14,000 kWh annually and consume about 12,000 kWh annually. When the residence is operational, energy measurements will be meticulously made over a year, with a subgoal of the program being to improve models that predict energy production of solar systems and those that predict energy consumption of buildings.

An interesting aspect of the year-long demonstration program is that the residence will be virtually occupied while under study. The house will be furnished, and the living habits of a four-person family (two adults and two children) will be simulated. Appliances, lights, and kitchen and bathroom fixtures will be controlled via robotics. A garage detached from the residence serves as a control room. Separation of the control room isolates the heat produced by the computers (and operators) used in simulating the occupation of the residence and in collecting the energy data.

When the initial demonstration program is complete, the test residence will be used in the development of the measurement science needed to assess whole-building performance and various energy systems. In this regard, the facility was designed to ensure that it would meet current and future needs of researchers striving to move the U.S. towards net-zero energy homes. As examples, the inherent capabilities of the facility will enable

- Development of measurement science to characterize “as-installed” performance of various space conditioning, water heating, and integrated systems.
- Development of the measurement science required to capture the efficiency of various techniques of distributing conditioned air throughout a residential structure.
- Studies of earth-coupled heat-pump systems using various ground-coupling techniques.
- Evaluation of various methodologies and standards to interface a residence to the Smart Grid.
- Field evaluation of test procedures for standard and Smart Grid-enabled appliances.

- Evaluation of the relative merits of various building-control systems and strategies.
- Evaluation of design strategies, technologies, and ventilation strategies to provide quality indoor environments consistent with energy efficiency goals.
- Assessment of interactions among the building envelope, HVAC systems, and solar systems.

At some point in the future, after NIST has announced the results of its year-long demonstration, I will report back in *RCI* items summarizing those results. Perhaps some day many RCI members will have the good fortune to reside in a net-zero energy home. For sure, it is not beyond imagination that some RCI building envelope professionals will one day be advising clients on the design and construction of such homes.

RCI 2012 Document Competition

Professional and Quality Assurance Observer members of RCI are encouraged to enter. Downloadable PDF forms are available on the RCI Web site at <http://www.rci-online.org/document-competition.html>. Please note that there is no fee to enter the competition, but applications and completed entries must be submitted to RCI offices and postmarked by October 31, 2011. Each entry must include one original document as delivered to the client and one compact disk of the member's work saved in PDF format suitable for viewing in Adobe Acrobat. All entries will be on display at the 2012 RCI International Convention and Trade Show in Dallas, TX. Please see the timeline below.

Questions concerning rules should be referred to RCI Document Competition Committee Chair Steve Alberico, 972-690-6044 or salberico_arc@yahoo.com, or RCI Staff Liaison Catherine Moon, 1-800-828-1902 or cmoon@rci-online.org.

TIMELINE:

October 31, 2011	Entry to headquarters
January 23, 2012	Judging completed
February 3, 2012	Winning entries in each category notified
March 17-18, 2012	Display of all entries at RCI trade show
July 2012	Publication of winning entries in <i>Interface</i> journal



CALL FOR CANDIDATES

Nominations are being sought for the offices of first vice president, second vice president, and secretary/treasurer of RCI for the 2012-2013 term. Individuals interested in running for any of these offices or submitting names for nominations should send them to RCI at 1500 Sunday Drive, Suite 204, Raleigh, NC 27607.

While the offices of first and second vice president are preparatory for the office of president, the secretary/treasurer position is not a laddered position to the presidency. The position is elected annually, but the secretary/treasurer may serve a maximum of three consecutive terms.

Questions on qualifications for the offices may be directed to Albert J. Duwyn, FRCI, RRC, chairman of the Nominating Committee, IRC Building Sciences Group Ontario, Inc., at 905-607-7244 or aduwyn@ircgroup.com. Procedural questions should be directed to James R. Birdsong, executive vice president and CEO, at 1-800-828-1902 or jbirdsong@rci-online.org.

Candidates seeking election must submit biographies, position statements, and photographs to RCI in accordance with guidelines established by the Nominating Committee, for receipt no later than Friday, October 28, 2011.

Elected officers will be installed at the annual meeting of the members to take place in Dallas, TX, on Monday, March 19, 2012.

FOUNDATION NEWS

RCI FOUNDATION FUNDING BENEFITS UNIVERSITY OF WASHINGTON STUDENTS

By ANN HESS, DEVELOPMENT OFFICER

Ken Yocom is an assistant professor at the University of Washington School of landscape architecture's green futures laboratory. He is researching a protocol tailored to the Puget Sound/Georgia basin region for green roof performance evaluation and the standardization of evaluation processes for comparative analysis for this region and beyond.

The RCI Foundation recently received a note from Yocom describing how the foundation's funding is helping with his study. He wrote:

As university faculty, an important component of our research is engaging, facilitating, and supporting learning opportunities for our students. Thanks to your contribution, we were able to employ student research assistants who helped to install monitoring equipment, collect, and evaluate data. A master's thesis from one such assistant that summarizes the data collected to date should be completed by the end of the 2011 calendar year.

Those who have worked on the project have all responded that the work was both engaging and enlightening. Rarely are design students offered the opportunity to develop and conduct empirical analyses on design-related activities. The experience has added to their collective portfolios of crit-

ical and professional engagement.

The results of this initial phase of the study will be presented at the Environmental Design and Research Association (EDRA43) conference in Seattle, WA, in the spring of 2012. A copy of the paper for the conference and the thesis will be provided to the RCI Foundation and RCI, Inc. upon its completion.

The RCI Foundation accepts and reviews new proposals for funding year-round. Additionally, RCIF is continually raising funds from professionals and industry members. No donation is too small or large because together we are making a difference through research, education, and the dissemination of information for the built environment. Every penny counts. If you would like more information about becoming a donor to the RCI Foundation, please contact Ann Hess, development officer, at 919-859-0742, ext. 18, or visit the foundation Web site at www.rcifoundation.org.

THANK YOU TO RENEWING DONORS

CANNON CONSULTING &
ENGINEERING COMPANY

CARLISLE SYNTEC, INC.

GALE ASSOCIATES, INC.

HARTSFIELD & NASH AGENCY, INC.

M.A. CAPUTO ASSOCIATES, LLC



Above, University of Washington graduate student Danielle Pierce (MLA, 2009) downloads atmospheric and moisture content data from the on-site weather station. The data are being used to better understand the rainfall retention capacity of extensive vegetative roofs in the Puget Sound lowlands of western Washington.



David Bramer harvests clippings from sedum tiles. The clippings are used to generate more tiles at the University of Washington Botany Greenhouse.

David Bramer (MLA, 2011) shows off a newly planted portion of the vegetative roof designated for perennial plants endemic to the region.



REGION NEWS

REGION II

Region II membership has been holding fairly steady, but there has been a net decrease of approximately 15 active members during the past two months. Each month there are fewer new members than delinquent or nonrenewing members.

Progress has continued on developing a chapter or branch in the state of Kentucky. The Ohio Valley Chapter has expressed support for anything the members decide to do, whether it's starting a branch or breaking off to form its own chapter. Stuart Raney, in Kentucky, has been the primary contact and has been compiling interested members in the state. The goal is to have an initial meeting in 2011 to gauge interest and decide how to move forward.

All chapters within Region II are currently active and are holding regular events to include successful continuing education and upcoming RCI accredited courses for the Florida Chapter; half-day seminars and a golf tournament for the Northern Gulf Coast Chapter; quarterly meetings and a golf tournament for the Carolinas Chapter; and monthly meetings for the Georgia Chapter. All chapters in Region II will be applying for an Outstanding RCI Affiliated Chapter Award.

Region II held a meeting in Jacksonville, FL, on August 5, 2011. There were 75 attendees and 20 tabletop exhibitors. The event was a success with a good turnout.

— **Robért Hinojosa, RRC, RWC, REWC, RBEC, RRO, PE, CDT**
Region II Director

REGION III

The upcoming Region III meeting will be held in conjunction with the MRCA Convention in Rosemont, IL, on October 26. Membership has been offering positive response to preliminary invitations to the meeting, so good attendance is anticipated.

Chapters in Region III report good activity and support for local events and meetings. Chapter membership is remaining consistent or growing. No reports have been received re-

garding declining membership.

There has been discussion with some of the chapters in the region about having a short meeting with chapter officers for those who wish to attend a region meeting in Chicago. (This meeting has not been finalized.)

Membership records indicate that Region III continues to grow; 13 new members have joined since the March reporting period. The new members have been contacted and welcomed aboard. In most instances, chapters indicate that membership is steady or increasing as well.

June membership reports indicated that there are 20 Region III members with delinquent dues.

— **Kenneth Ollinger, RRC, RRO, CCA**
Region III Director

REGION IV

Comments from the Region IV Auxiliary Seminar held on Wednesday, June 8, 2011, at the conclusion of the WSRCA convention continue to filter in. All comments received have been positive.

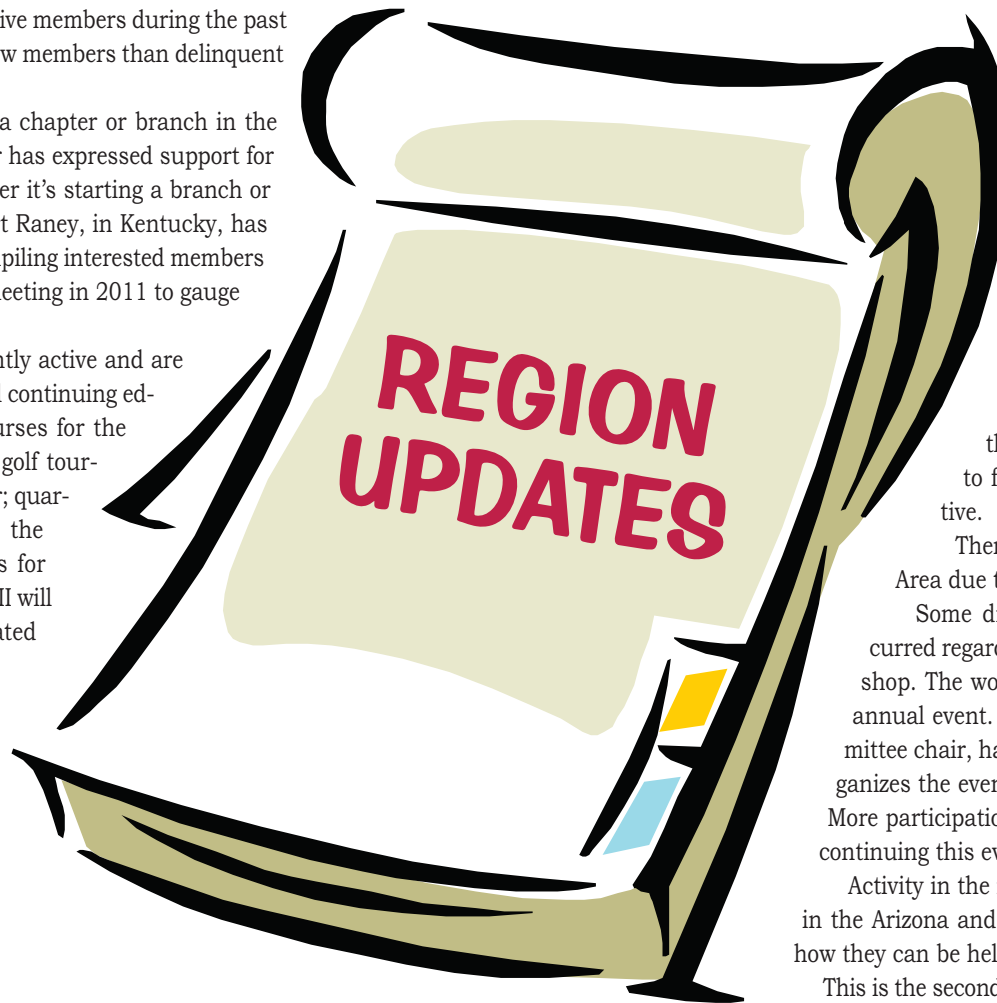
There will be no region meeting in the fall in the Bay Area due to lack of interest.

Some discussion with fellow region members has occurred regarding the continuation of the Hawaii Winter Workshop. The workshop will possibly discontinue running as an annual event. John Shepherd, SoCal Chapter education committee chair, has indicated that 2012 will be the last year he organizes the event. This is a great event, and it should continue. More participation from Region IV is needed. General interest in continuing this event is being assessed.

Activity in the region from a chapter perspective has been slow in the Arizona and SoCal Chapters. Calls have been placed to see how they can be helped.

This is the second year that the Denver Chapter has collected dues from its members. Paid dues resulted in the chapter's having 26 members. The Denver Chapter held two quarterly meetings so far this year. The second meeting was held in August, and the educational topic was "Roof Durability: How Cover Boards Contribute" by Bill Roper of Georgia Pacific. Approximately 22 individuals attended.

The next scheduled function of the Denver Chapter is its third annual golf tournament



REGION UPDATES continued on page 7

October 2011

REGION UPDATES *continued from page 6*

at Eagle Trace Golf Course in Broomfield, CO, on September 14, 2011. Last year's tournament was a huge success, and this year there are 60 golfers (and counting) signed up.

The next quarterly meeting of the Denver Chapter will be held on October 5, 2011, and will include a presentation by Tim Kersey, manager of technical development, Siplast, on PMMA waterproofing systems.

The Denver Chapter has had two board meetings so far this year. At the last meeting, concern regarding active board participation was discussed. Attendance by some of the board members, as well as assistance in chapter functions, have been waning this year.

The Puget Sound Chapter continues to have good attendance and regular meetings and outings. The chapter delivered the RCI course Advanced Waterproofing on May 5-6, 2011.

The next scheduled event of the Puget Sound Chapter at this writing was its second annual golf tournament on September 9, 2011. The head count was 80 golfers, and the weather was supposed to be clear, sunny, and 80 degrees.

Other scheduled events for the Puget Sound Chapter include

- November 3-4, 2011: RCI course, Professional Roof Consulting
- November 4, 2011: Chapter meeting (after class)
- May 3-4, 2012: RCI course, Roofing Science and Technology I
- May 4, 2012: Chapter meeting (after class)
- October 11-12, 2012: RCI course, Roofing Science and Technology II
- October 12, 2012: Chapter meeting (after class)

The SoCal Chapter's 11th Annual Hawaii Winter Workshop was held at the Waikiki Beach Marriott this past January. Attendance was down slightly from 2010, but the seminar was a success, with numerous positive comments from attendees. The 2012 workshop presenters and topics have been finalized, and this may be the last year that the SoCal Chapter puts on the event. (See comments above.)

SoCal meetings tentatively scheduled are as follows:

- November 10-11, 2011: RCI course, Roof Technology and Science II, San Diego, CA
- January 23-24, 2012: Hawaii Winter Workshop, Waikiki Marriott, Honolulu, HI

The SoCal Chapter is considering building envelope, garden roof, and photovoltaic seminars for 2011 and 2012. Additional quarterly dinner meetings may also be scheduled.

**— David Pierce, RRO
Region IV Director**

REGION V

Region V Director John Wells, RRO, presented the RCI course, Roof Science Technology I, in Vancouver, BC, sponsored by the Western Canada Chapter on April 26-27, 2011. Other presenters were Russ Hobbs, RRO; Bob Thurston, RRO; and John Pitre, RRC, RRO. The course was very well attended.

John Wells attended the Ontario Chapter board meeting on May 10, 2011, in Toronto. It was a productive meeting. A number of issues were identified and discussed, and resolution was either achieved or focused upon. Items such as chapter finances, reporting, golf tournament organization, Web site, and education were discussed. Chapter President Barbara Kemp advised the board that she would be taking maternity leave in July. Chapter Vice President Joel Dandelé will step in at that time.

Discussions with both potential Montreal and New Brunswick chapters were discussed, and Ontario Chapter will shepherd these as emerging branches.

The Canadian Prairies Chapter golf tournament was rescheduled for August 9, 2011, at Darcy Ranch Golf Club. The Western Canada Chapter golf tournament was held on August 12, 2011, at Meadow Gardens Golf Club.

Region V Director John Wells attended the Western Canada Chapter board meeting on June 28, 2011, in Vancouver. There were no significant issues to report. Western Canada Chapter Vice President Sean Lang has resigned from his position on the board.

Region V membership was at 537 in July. There are 91 Industry, 40 Industry Affiliate, 116 Professional, 101 Professional Affiliate, 66 Quality Assurance Observer, and a balanced mix of Facility Manager and Associate members.

**— John W. Wells, RRO
Region V Director**

RICOWI FALL SEMINAR IN FLORIDA

RICOWI will hold its fall seminar on October 19-21, 2011, at the Hilton University of Florida. The program begins on Wednesday with a course on steep-slope roofing by the Department of Civil and Coastal Engineering; continues on Thursday with a full day of speaker presentations; and concludes on Friday with its committee, board, and general membership meetings.

For more information and to register, visit www.ricowi.com. Contact Joan Cook, RICOWI executive director, with any questions at 330-671-4569 or jcook@ricowi.com.



REGION I ALBANY MEETING WELL ATTENDED

Region I conducted an interesting and informative meeting in Albany, NY, on August 5, 2011. More than 45 attendees and a dozen tabletop exhibitors enjoyed excellent educational presentations and earned RCI and AIA continuing education credits.

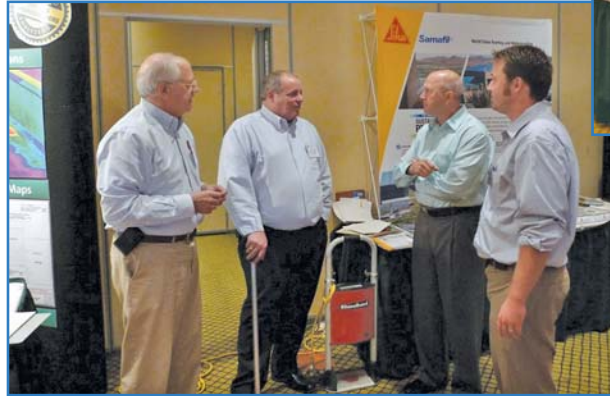
The program consisted of in-depth discussions of architectural sheet copper by Anne Schade and Jim Walas from Revere Copper Products, as well as information on induction welding for thermoplastic roofing from Stan Choiniere of OMG, Inc.

Bill Nichols, the national sales manager for Nationwide Foam, delivered a presentation on recycling roofing waste, including what items can be recycled and the market realities of handling these materials.

John Ridgeway from Grace Construction Products gave an excellent talk about below-grade waterproofing, including objectives, applications, and quality assurance for waterproofing projects.

Also presented was an excellent discussion addressing controlling the transmission of air and vapor through the building envelope by Ed Stewart and Brian Neely from Gale Associates.

Overall, everyone enjoyed the Region I meeting and the opportunity to network.



Left to right: Jesse Wendell from Henry Company, Saverio Marzella from Roxul, and Alex Moshenberg from Henry Company discuss properties of insulations.

Left to right: Ralph Enos and Jim Corcoran from Sika Sarnafil discuss roofing membranes with Bob Pringle and James Warneck of Evans Roofing.



Above, left to right: Larry Alvaro from DeBrino Caulking Associates, Chuck Kolstead from Miro Industries, and Tom Ewing from Ewing Associates discuss product applications.



Dave Hunt (left) from FiberTite and Lisa Kingsley from GAF representing their companies.



Attendees listening to speaker presentations.

Attendees networking with industry representatives from over a dozen different companies.



The region will meet again on November 17 at the Wyndham Hotel in Mount Laurel, NJ. The deadline for early registration and hotel reservations is October 27. For more information, visit www.rci-online.org or contact Region I director Peter Brooks at 800-879-1964 or peterb@iranalyzers.com.

— Peter Brooks
Region I Director

CHAPTER NEWS

Register for the 12th Annual Hawaii Winter Workshop

The SoCal Chapter of RCI, Inc. invites you to learn, network, and enjoy the weather at the 12th Annual Hawaii Winter Workshop at the Waikiki Beach Marriott Resort on Monday, January 23, and Tuesday, January 24, 2011. This program is designed to improve the skills and knowledge base of construction professionals (consultants, architects, engineers, and contractors) practicing in the roofing, waterproofing, and exterior wall consulting fields. The seminar provides 12.5 AIA LUs and/or 12.5 RCI CEHs, and will include breakfast and lunch for each day of the program. An electronic copy of the speaker presentations will be made available to attendees.

Consultants, architects, attorneys, and contractors from the mainland U.S., Canada, and Hawaii regularly participate in this annual program. The chapter hopes you will join them in balmy Waikiki Beach this coming January.

The 2012 program includes the following topics:

- Condensation: Using Thermography to Identify Temperatures in Wall and Roof Assemblies – *by Scott Wood, Scott Wood Associates, LLC, Gig Harbor, WA*
- Condensation-Related Wood Rot and Mold Growth: The Underappreciated Role of Air Intrusion – *by Phillip Dregger, FRCI, RRC, PE, Technical Roof Services, Concord, CA*
- Rooftop Solar PV: Key Considerations for Success From a Roof Consultant's Perspective – *by Phillip Dregger, FRCI, RRC, PE*
- Designing Single-Ply Membrane, Cool-Roof Systems for Service and Durability – *by Thomas W. Hutchinson, FRCI, RRC, AIA, Hutchinson Design Group Ltd., Barrington, IL*
- Understanding Long-Term Weathering Performance of TPO Roofing Membranes – *by Thomas J. Taylor, GAF, Wayne, NJ*
- Bonded Pull Tests Are Not Just for Your Roof Membranes Anymore: A Review of ASTM E2359 – *by Robért Hinojosa, RRC, RWC, REWC, RBEC, RRO, PE, CDT, Building Engineering-Consultants, Inc., Destin, FL*
- Design Considerations for Open-Joint Rainscreen Cladding Systems – *by Stéphane P. Hoffman, PEng; and José Estrada, RRO, EIT; Building Engineering Group of Morri-*



son Hershfield, Bellevue, WA

- Understanding ANSI/SPRI ES-1 – *by Bob LeClare, W.P. Hickman Co., Asheville, NC*
- Metal Edge Systems for Low-Slope Roofs: Design, Testing, and Performance – *by Bob LeClare*
- Single-Family Residential Air Leakage Testing: Mandated? – *by Don DeGroot, Construction Defect Support of IBA Consultants West, Bellevue, WA*

REGISTRATION

Registration forms are available for download at www.rcisocalchapter.org/events.html. Program registration fees are as follows:

Early-Bird registration now through November 18, 2011:

RCI, CREIA, and WESTCON members: \$270. All other registrants: \$310

Standard registration November 19, 2011, through January 2, 2012:

RCI, CREIA, and WESTCON members: \$310. All other registrants: \$350

Late registration after January 2, 2011:

All Registrants: \$395

Group rates:

Available for five or more registrations from the same firm. Contact John D. Shepherd for more information.

ACCOMMODATIONS

A great group rate has been obtained from the Waikiki Beach Marriott Resort for \$169+ per night for partial-ocean-view rooms and \$199+ per night for ocean-view rooms. These rates are applicable through January 2, 2011. There are a limited number of rooms, so make your reservations now.

EXHIBITORS AND SPONSORS

Program sponsors for the 12th Annual Hawaii Winter Workshop are Firestone Building Products, Malarkey Roofing, and Soprema. A limited number of tabletop exhibits are available. If you are interested in participating as an exhibitor, please contact John D. Shepherd.

FOR MORE INFORMATION

If you have any questions about the content of this program, attending this program, and/or exhibiting at this program, please contact John D. Shepherd, RRC, RRO, via e-mail at jds@shepherdconsulting.com or contact SoCal Chapter President Dean Larsen at dlarsen@sgh.com.

We look forward to seeing you all in Hawaii in January 2012. Aloha.

— **John D. Shepherd, RRC, RRO**
Hawaii Winter Workshop
Education Committee Chairman

WESTERN CANADA CHAPTER OFFERS WATERPROOFING SEMINAR AND TRADE SHOW

On Thursday, October 27, 2011, the RCI Western Canada Chapter will hold a one-day seminar and trade show at the Italian Cultural Center in Vancouver from 8:00 a.m. to 4:30 p.m. The seminar will focus on innovative assemblies and new products, including positive, negative, and integral waterproofing; root-barrier options; and building-permit requirements for below-grade and at-grade waterproofing applications. It will also be the kickoff for the RCI Western Canada Chapter's educational series on contracts, contract administration, and lien act requirements. Register online at www.rciwesterncanada.org, call 604-847-0570, fax 604-847-0540, or e-mail info@rciwesterncanada.org.

— Submitted by John Wells, RRO

RCI AFFILIATED CHAPTER AWARD PROGRAM EXAMINED

The RCI Chapter Development Committee has examined the need to revise the Outstanding RCI Affiliated Chapter Award Program based on suggestions from RCI members. The committee consists of Chairman Michael Williams; members Rick Wagner, William Tipton, Marc Caputo, Doug Fishburn, Jean-Guy Levaque; and staff liaison Catherine Moon.

The purpose of the Outstanding RCI Affiliated Chapter Award Program, created in 2004, is to annually recognize the contributions of affiliated chapters toward the health and vitality of RCI and the local construction community. All affiliated chapters are eligible to win each year. Awards are based on the chapter's score in meeting the criteria established in the award nomination application.

The award score sheet makes a great checklist of the activities each affiliated chapter can undertake to help serve its members. These sheets are also good planning tools for setting up committee work and events. They become a record of the affiliated chapter's history and are stored at headquarters for future archival use.

Affiliated chapters will receive the newly revised award nomination application, and it will be available on the RCI Web site (www.rci-online.org). The application must be completed and returned to RCI no later than January 16, 2012. This deadline was extended to better accommodate chapters' need to properly report year-end financial information.



NORTHERN GULF COAST CHAPTER HAS BUSY THIRD QUARTER

Since becoming a full-fledged Chapter of RCI in February 2011, the Northern Gulf Coast Chapter has kept its members busy. Chapter President Michael Fell, RWC; along with Vice President Ken Leggett, RRO; Treasurer Joey Bass, RRC, RRO; and Secretary Jeff Fuller, RRC, AIA; have been working together to provide the Northern Gulf Coast Chapter with an outstanding slate of activities and programs. With the intent of providing educational programs to members and potential members in Florida, Alabama, and Mississippi, the chapter has invited speakers from a variety of building-envelope-related companies.

Now into the third quarter of 2011, the chapter is hosting a half-day educational seminar to be held in Daphne, AL, on September 22. This seminar will feature the following topics: "Principles of Commercial and Roof Ventilation," presented by C.J. Sharp of Metal Era; "What's New With Bituminous Roofing," by Dave Scheirer of Johns Manville; "The Sustainable Benefits of Roof Coatings," by Paula Meyer of Karnak Corporation; and "Adhesive Attachment of Insulation," by Jason Tidwell of OMG Roofing Products. RCI members attending this seminar will receive four continuing educational hours (CEHs) from RCI or four learning units (LUs) for AIA members. The seminar will also provide an opportunity for interested product manufacturers to have tabletop displays.

On Friday, October 8, 2011, the Northern Gulf Coast Chapter will hold its annual charity golf tournament. Since its initial inception as the Panhandle Branch of the Florida Chapter, the Northern Gulf Coast Chapter has been an active supporter of the University of West Florida's Building Construction Program through the establishment of a scholarship fund. Proceeds from the golf tournament will go to the fund. This year's event will be held at Soldiers Creek Golf Club at the Woerner Preserve in Elberta, AL.

Looking to the future, the Northern Gulf Coast Chapter will be delivering the RCI Rooftop Quality Assurance course scheduled for April 2012. An RRO exam will be offered by RCI as well.

The Northern Gulf Coast Chapter encourages those in Florida, Alabama, and Mississippi to expand their knowledge of issues relating to the building envelope by joining the chapter and RCI.

— Jeff Fuller, AIA, RRC
Northern Gulf Coast Chapter Secretary

GREAT LAKES CHAPTER LOOKS FORWARD TO EVENTS

Please mark your calendar for the Great Lakes Chapter's upcoming schedule of events:

- October 20: Fall technical session, MIRCA Apprentice Training School, Oak Park, MI
- December: Annual meeting and banquet, Walnut Creek Country Club, South Lyon, MI

Details will be sent to the membership in advance of all scheduled events.

Volunteers are important to any organization. If you would like to help, please call Chapter President Ed Labus at 248-943-1684 or e-mail him at elabus@askbta.com.

— Sue Baumberger
Great Lakes Chapter Industry Director

COMING SOON:

Leadership Workshop for Chapter VPs and Region Directors



Mark your calendars! The RCI Affiliated Chapter/Region Leadership Development Training Workshop will be held November 3-4, 2011, at the Embassy Suites, Raleigh-Durham/Research Triangle in Cary, NC.

The purpose of the program is to provide training to improve leadership skills of chapter officers and region directors. The goal is to focus on the roles and responsibilities of chapters and region directors and the relationship of one with the other. Chapter vice presidents and region directors are requested to attend.

More information will be distributed in the near future.

MEMBER NEWS

WATSON OPENS CONSULTING BUSINESS

RCI Professional member **James Watson, RRO**, has opened his own consulting business, J. Watson Roofing Consulting, Inc., in Victoria, BC, specializing in roofing, waterproofing, and inspections. He was previously an Industry member of RCI and was a technical manager with the Roofing Contractors Association of British Columbia (RCABC) for 16 years.

Jim Watson can be reached by phone at 250-634-4392 and by e-mail at jwatson1@telus.net. He has been a member of RCI since May 1998.

SCHEHL EARNS CSR

John Schehl, CAE, a Professional member of RCI and president of RoofMax Consulting LLC, Barrington, IL, recently earned his Certified Solar Roofing Professional (CSR) designation through Roof Integrated Solar Energy, Inc. (RISE), a program of the Center for Environmental Innovation in Roofing of the NRCA. Schehl is also the executive director of RISE.

NEW RROS (EARNED AUGUST 27, 2011)

Name	Company	State/Province	Region
Charles E. Arnold, RRO	REI Engineers	SC	II
Matt Atkinson, RRO	Baker Roofing	NC	II
Andrew B. Baker, RRO	Baker Roofing	NC	II
Walter E. Brock IV, RRO	Rooftop Systems Engineers, P.C.	NC	II
Stephen J. Burns, RRO	Baker Roofing	NC	II
Blake A. Carlson, RRO	REI Engineers	SC	II
Brett M. Eichler, RRO	Stafford Consulting Engineers/Terracon	NC	II
Quincy M. King, RRO	Baker Roofing	NC	II
Ray C. Mozeley Jr., RRO	REI Engineers	NC	II

NEW MEMBERS FOR AUGUST 2011

Name	Company	State/Province	Region	Category
Paul D. Amos	Malarkey Roofing Products	OR	IV	IA
Robert G. Beauregard, RRO	Building Technology Associates, Inc.	MI	III	QAO
Jesse Bondoc	Terracon	TX	III	QAO
Henrique M. Dias	Proteck Roofing, Ltd.	ON	V	I
Luigi Dibiasi	Davroc & Associates, Ltd., Consulting Engineers	ON	V	QAO
Austin A. Eells	Atlantic Construction Sales, Inc.	VA	II	I
Kenneth L. Everett, RRC, LEED AP		FL	II	A
Jeff L. Franzese	Cornell University	NY	I	PA
William L. Gabriel	DBY Building Sciences, LLC	FL	II	QAO
Chad Gangnath	Marx/Okubo	CA	IV	PA
Brandon W. Garwood		MO	III	QAO
Andrew W. Griffis, Jr.	AWG Roof Consultants, Inc.	FL	II	P
Scott Hall	Walker Rep Group	FL	II	I
Stephanie R. Harman	ECS Mid-Atlantic, LLC	VA	II	QAO
Lenetta Heiland	Colbond, Inc.	NC	II	I
Les Hines, CCS	Chamberlin Austin, LLC	TX	III	PA
Robert R. Horrell	ProTect, LLC	KS	III	P
John L. Jolliffe	Roof Tops Roofing, Ltd,	ON	V	I
Christopher J. Knollmeyer	Knollmeyer Building Corp.	MA	I	I
Gord McCusker	Euramax Canada, Inc.	ON	V	I
Travis J. McKenzie, RRO	GAF	IA	III	IA
Kyle Menard	Terracon	TX	III	QAO
Brian Morgenweg	Roxul, Inc.	ON	V	IA
Mark E. Orr, PE	EFI Global, Inc.	AZ	IV	PA
Lisa Petsko	Sto Corp.	GA	II	I
Kevin T. Reilly, RRO	Tremco, Inc.	FL	II	IA
Chris A. Reimers	EFI Global, Inc.	TX	III	PA
Kevin D. Rougeau	GAF Materials Corp.	TX	III	IA
Kitty K. Rouse, RA	State of Louisiana	LA	III	FM
Edward Eugene Saxton, CDT	Malarkey Roofing Products	TX	III	I
Jonathan Shick	Allana Buick & Bers, Inc.	HI	IV	P
Bruce A. Stevenson	Stevenson Contracting, LLC	PA	I	I
Paul Walden	Texas Roof Management, Inc.	TX	III	I
John Waskow, PE	Architectural Testing, Inc.	TX	III	QAO

MEMBERSHIP CLASSIFICATION KEY:

P = Professional, PA = Professional Affiliate, I = Industry, IA = Industry Affiliate, A = Associate, QAO = Quality Assurance Observer, FM = Facility Manager, S = Student, GL = Government Liaison