



AIA New Hampshire

NH forum

For those who shape the built environment



House Tour Revived! Join us June 30



AIA New Hampshire is delighted to be reviving our House Tour, a very popular event that ran for many years before taking a hiatus in 2011. On June 30 we'll visit four homes in the Peterborough, NH area designed by Susan Phillips-Hungerford AIA, Sheldon Pennoyer AIA, Jay Purcell AIA, and Dan Scully AIA.

The tour will be followed by a dinner reception at Four Winds Farm.

One of the homes we'll visit is a renovation to an existing 1960-1970's summer house and turned inside out – the connection to the landscape became the driving factor of the design, with an intimate garden and a long view to Mount Monadnock. Another house is on 350 acres at the site of a former 19th Century poultry farm. The design included developing a forestry management plan that also provided all the interior hardwood flooring for the new house. The third residence is a shingle style house described in Will Morgan's book *Monadnock Summer* as "a happy and appropriate marriage of modernity and tradition." Lastly, we'll visit a new house for a couple retiring in Peterborough. It is an open plan concept, designed to fit comfortably among its neighbors and take advantage of the dramatic view of Cunningham

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The editors of the NH Forum seek to encourage a lively discussion of design and other topics of concern to designers. Opinions and proposals presented in the newsletter are those of the writers to whom they are attributed and are not a statement of official policy by AIANH, unless so stated.

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Perspective

Point of view from the President of AIANH
Jay L. Purcell AIA



Almost 9,000 Architects attended this year's AIA National Convention in Philadelphia (and nearly 21,000 people in total). Between speeches, seminars, trade show exhibits, voting, and the business meeting, it was quite a non-stop event.

As delegates we elected three Architects to national office to fill the vacancies of first vice president, secretary, and delegate-at-large for the national Board of Directors. I can attest to the quality of leadership that our national organization has attracted. If you are interested in the details you can find that information on the new AIA national website at <http://new.aia.org/press-releases/13046-carl-elefante-faia-elected-2018-aia-president>.

The AIA Board of Directors will continue the work of 'repositioning' the AIA began in earnest last year, aided by the Strategic Council that was created by streamlining the AIA National Board. The overall goal is to make the organization more responsive to the whole membership. Approximately 80% of AIA members are working in firms of less than 10 people. The talk at AIA National is to support and respect the work of the everyday Architect, and celebrate quality everyday Architecture, in addition to quality large scale projects that seem to get most of the media attention. The national AIA ad campaign may eventually help with that message.

Another important report, from the national treasurer, is that the current AIA is fiscally healthy, and that is great news, but it is also important to report that the long-range health of the organization will depend on the participation of emerging professionals in our ranks who need our support and encouragement to become licensed design professionals.

Seeking to connect to all members, probably the most current active initiative ongoing in DC is the development of the new AIA national website, whose goal is to bring more accessible content, specific to each member's needs, and make this happen more seamlessly. This is in an early rollout stage looking for feedback from the membership, and is now

We are rarely given an opportunity to look far ahead to what may be coming as the many threads of the design world weave together, showing us what might be possible for the built environment of the future.

available to us concurrently along with the AIA national website with which we are presently familiar. The new Website can be accessed at <http://pilot.aia.org>. Check it out and let the development team know your thoughts. This is your chance to have an impact with your feedback and better understand their approach.

As you might imagine, the information being shared over the three-day event of the annual AIA National Convention spans a very broad spectrum, from the practical to the Avant Guard. Our daily tasks on projects usually have us deeply involved in design and detail that requires our constant attention. We are rarely given an opportunity to look far ahead to what may be coming as many threads of the design world weave together, showing us what might be possible for the built environment of the future.

On this note, certainly the most fascinating presentation of the event was the day two plenary session by Neri Oxman. I found it inspiring to step outside of the present, and

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when design matters

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Emerging Professionals Network

Point of view from the AIANH Associate Director & EPN Chair
Tony Nazaka



Work Smarter, Not Harder

Ah, the age old saying. To me that phrase recalls memories of childhood; doing some sort of chore, my father watching me as I struggle to complete it. He would let me struggle for a good bit until showing me some trick or technique that would help get the job done quicker and/or with less effort. "Work smarter, not harder" he'd say, as I wondered why he didn't show me before, or just do it himself.

It is a phrase that has stuck with me in all aspects of life, and I am sure many of yours as well. After all, everyone wants to be more efficient while putting in minimal effort. This can't ring more true in the architectural world. Knowing what "working smarter" actually means is a skill set that takes many years to perfect.

I recently came across an architectural article on this subject that I couldn't disagree with more. The writer's model for the modern architect to "work smarter" was an extensive list of gadgets, apps, software, hardware, etc. that not only cost thousands and thousands of dollars, but, in my opinion, would bog down the average person's day. Having a number of devices, each loaded with an abundance of programs, does not equal productivity.

So, in a field that demands quicker production in a shorter amount of time, how does the modern architect maximize productivity and minimize unnecessary work? There are things we should all be doing, or at least

trying to do, to help make us more efficient, and thus more marketable, in the architectural world.

Focus Your Time

Time is obviously the main factor in working smarter. It is a resource that cannot be created, so it needs to be used wisely. Take a week and extensively document your time of what you do over the course of the day, and you will get a good idea of where your time goes. Try and focus your attention on tasks that require either the most amount of time, or the most amount of attention first. When you finish daunting tasks first, the rest of the day/week/project/whatever seem easier.

Plan Accordingly

I try to use checklists and outlines whenever possible. Checklists not only help you stay focused, but give you a sense of accomplishment as you cross tasks off. Outlines help you understand your process, and eliminate any steps to help make the process more efficient. If you are not using cartoon sets at the very start of a project (or don't know what a cartoon set is), I suggest you start. Immediately.

Know Your Tools

What tools do you use on a daily basis? What tools could you use that you don't have, or could cull from your inventory? It is better to have fewer tools that you really know how to use, than a huge toolbox gathering dust. This goes with both physical and digital. If you're using digital tools, know how to use them. Far too often we get caught up in using a digital tool how "we" want to use it, and not how it is intended to be used. When using a digital program on a daily basis, for the most part you should know how it was designed to be used.

Manage Yourself and Your "Stuff"

This is one of the tougher tasks to ask of someone, especially in an age of cell phones, emails, notifications, etc. Try going a day without picking up your cell phone during work hours (tough one). If you have a hard

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Details...

DeStefano Architects (D|A) reports that The Greengard Center hosted an Open House on May 19 at its new location at 95 Brewery Lane in Portsmouth, NH. The Greengard Center offers a Day Program for adults with autism, providing a community-based curriculum that is individually tailored to each participant's interests and abilities. The center also develops recreation and therapeutic programs for adolescents with autism.

The new facility, designed by DeStefano Architects, offers a variety of flexible spaces for varied activities and learning center programs. Prior to the opening of the new Greengard Center, the Day Program operated in participants' homes and throughout the community. The center's new location will allow the Day Program to grow and evolve.

TFMoran, Inc. has been named *Business NH Magazine* 2016 Business of the Year in the Construction/Engineering/Real Estate category. The award recognizes businesses for outstanding civic contributions and exceptional performance.

Since 1968, the team at TFM has been providing innovative land planning and development initiatives. During the past two years TFMoran, through steady growth and the acquisition of firms in Portsmouth and Auburn, has grown its workforce by over 20 employees, making it one of the largest full service engineering firms in New Hampshire. In addition to their industry leadership, the entire TFMoran team is dedicated to community and civic engagement, with over 50% of the team volunteering time and talents to various groups and boards.

At a ceremony honoring the award recipients, Robert Duval, Principal and President of TFMoran noted "I am accepting this award on behalf of those who came before our current leadership team, on behalf of our hard-working employees, and on behalf of our clients, without whom we would not be the business we are today."

Job Opportunities, Positions Sought

Job listings and positions sought listings are on the AIANH website: www.aianh.org/careers.

To submit an ad, please email ad text to office@aianh.org. Job opportunity listings are free for AIANH members and \$320 for four months for non-members. Listings for Positions Sought are free for everyone. Please include your contact information with your ad listing.

Submit Your Details...

Do you have an interesting job on the boards or one that is newly completed? How about a new hire, a promotion at your firm, or someone had a baby? Maybe you've recently received an award or had your project featured in a magazine?

Send us the information and we'll print it in our "Details..." columns. Email to office@aianh.org. Photographs can also be used (300 ppi).

BCRB Passes Amendment on Toilet Room Gender Neutrality

by Jerry Tepe FAIA



The Building Code Review Board, at its regular meeting on Friday, May 13, 2016, passed the following amendment to the 2009 Building and Plumbing Codes which eliminates the requirement that toilet rooms be designated as male and female for single occupancy toilet rooms (added language is underlined). Many owners and architects have questioned this requirement in the past; now it is no longer an issue. Amendments passed by the BCRB become effective immediately and are subject to ratification by the legislature within two years.

IBC [P] 2902.2 Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex. Single occupancy toilets are permitted to be unisex provided the total number of water closets complies with Table 2902.1.. No change to exceptions

IPC 403.2 Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex. Single occupancy toilets are permitted to be unisex provided the total number of water closets complies with Table 403.1. No change to exceptions.

Also at that meeting, the BCRB affirmed their previous decision to repeal the amended Height and Area Table 503 of the building code. This was necessary as the legislature had not acted on the previous action within the two year period. Table 503 as found in the 2009 International Building Code remains the table to follow. The Board also rejected proposed amendments to delete Sections C406 and C408 of the 2015 International Energy Conservation Code. ■

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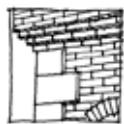


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Amendments to Remove Sections from the 2015 IECC Defeated

David Ely AIA; Chair, NH Environmental Guild



On May 13 The Building Code Review Board had a public hearing to consider amendments to the 2015 IECC. The Associated General Contractors and Board of Engineers proposed to delete sections C406 and C408.

C 406 is interesting in that it requires selection of one of 6 listed additional efficiency package options including more efficient HVAC, reduced lighting power density, enhanced lighting controls, on-site renewable energy, dedicated outdoor air system for certain HVAC equipment, or high efficiency hot water. The Amendment proposed to delete this section. Justification is that the increased efficiency in 2009 code is sufficient and building owner should not have to incur the additional cost.

C408 requires commissioning for mechanical systems over 480 kBtu/h heating and 600 kBtu/h combined heat and hot water. The Amendment proposes to delete this section. Justification is that the decision to commission mechanical systems should not be mandated but be made by the owner because it is not a life safety issue. They estimate the cost for a typical 40,000 sf building is \$60,000.

I testified on behalf of AIANH against these amendments. Laura Richardson of Jordan Institute and Paul Leveille of Resilient Buildings Group also testified against the amendments and had a plethora of data to support their assertions. Both amendments were defeated by a 9-3 vote. Now it will be up to the state legislature to enact the new building codes which have previously been found to be "inexpedient to legislate." ■

Architects & Engineers Invited to Assist in Emergency Response



A meeting of the NH AEER TF will be held June 16 at NH Homeland Security/Emergency Management in Concord. Individuals interested in offering their volunteer service in times of natural disasters or other catastrophic events are invited for a tour of the operations centers, remarks by HSEM Director Perry Plummer and NH AEER-TF President Paul Hemmerich AIA, and a re-

view on the progress of the team Activation procedures by NHDOT Assistant Manager and EMS Coordinator Mark Kirouac. Portsmouth Fire Chief Steve Achilles will provide some real life examples of being in the field.

The event is free and is sponsored by AIA New Hampshire and the Structural Engineers of NH. Dinner is included, so we request that you register. Details at www.ainh.org/news/ainh-events. ■

Details...

CORRECTION:

Milestone Construction and Engineering has sent a correction to their notice in the May NH Forum about the renovation of a portion of the former New England Center at the University of New Hampshire into the Center for Advancement. The architect was **Manypenny Murphy Architecture** of Portsmouth, New Hampshire, not Harriman Associates as reported.

North Branch Construction recently began construction of a new two-story bus terminal for Dartmouth Coach on La-bombard Road in Lebanon. Design for the project is provided by **Sheldon Pennoyer Architects, PLLC**.

The steel and wood-framed terminal built on the site of a former auto dealership will include offices for management on the second floor and a clerestory over the waiting room with post and beam trusses.

This new facility will provide expanded parking and service options to Dartmouth Coach passengers in addition to the company's existing location on Etna Road.

Foundations for the building are complete with framing to begin this month. Construction is expected to be complete by late Fall.



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Rendering courtesy Dacon

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Art Deco Architecture: A Heritage of Undeniable Value

Text & Photos by Bruce Hamilton AIA



Art Deco occupies a preeminent position within the context of twentieth century Cuban architecture. The influence of this decorative trend, which successfully integrated architecture, interior design, and industrial design, manifested in a wide variety of programs throughout the island. Art Deco symbolized modernity and spread rapidly throughout the country.

Traveling throughout Havana our tour group was able to visit all types of Art Deco structures, from public, industrial, private residence, and apartment houses. It was used in the design of public open-air spaces and left its imprint on monuments and sculptures. Also noteworthy are the great variety and large number of tombs and mausoleums in Cuban cemeteries that incorporated the Art Deco aesthetics. The mausoleum of the celebrated Catalina Laza in the Cristobal Colon cemetery are the most significant examples.

According to our tour guide, and the numerous lectures we attended, three trend characteristics of Art Deco are prominent in the context of Havana – the geometric, the aerodynamic, and the monumental. The first is identified by its stylized geometric forms, with the plane and line as the principal elements; the presence of simplified ornaments attached to traditional figures such as the circle, square, and the triangle; and the repeated use of forms such as lighting, waves,



and plants among other. Another feature of this trend is the predominant verticality of the architectonic components, both stylistic and functional as well as the scale elements of construction, such as beams capitals, rails, spaces, and bars. The crowning of the building is also an important component for emphasizing verticality and geometric form;

a broken and zigzag parapet is common along with pilasters or vertical bands that extend from the ground floor to above the parapet.

The aerodynamic trend is strongly related to the so-called streamline Modern style. They are designs that are characterized by massiveness and rounded angles that soften the massive. This variable reproduces nautical forms that reflect modern



Partial View of Deteriorated Residence



Deteriorated Apartment Building



Exterior Photo of Museo de Artes Decorativas



High Degree of Deterioration to Residence

times and are identified with the machine era; elements of naval architecture, such as circular windows, bars and tubular metallic handrails. And continuous walls are common in the streamlined designs. The three trends frequently overlap and the result is easily recognized as Art Deco.

The monumental trend is known in Cuba as Modern Monumental and is inspired by the forms of classical architecture with the predominance of colonnades, arcades, and monumental porches of double or triple the height of a single story. In general, columns and piers have

neither base nor capital and their shaft, whether of rectangular, circular or polygonal section, is plain. The design of interior spaces likewise rests on monumentality and is characterized by the presence of great lobbies of several levels that occupy the center of the spatial composition.

Unfortunately, a characteristic common to almost all Art Deco buildings in Cuba is their unfortunate state of preservation. A number of important Art Deco structures that we visited have been lost forever and others no less significant show a high degree of deterioration with respect to both

the structure and the decorative details. The loss of their multicolored floors, decorative ceilings, light fixtures, and exquisite Art Deco façade ornamentation is a testimony to the complete apathy and abandonment to which these buildings have been subjected.

The collection of Art Deco buildings constructed from the final years of the 1920s through the 1940s represents a heritage of undeniable value. Our tour group consisting of architects from across the United States agreed these structures must be preserved for future generations. ■



The influence of Art Deco, which successfully integrated architecture, interior design, and industrial design, manifested in a wide variety of programs throughout 20th Century Cuba.

Globetrotting in a Vintage Car, Havana Cuba

Bruce Dicker was a gentleman and a friend to all. He was generous in spirit and a consummate professional. I respected him very highly and will miss his presence.

— Phyllis Stibler ASID
Founder, Stibler Associates

We are very saddened to hear of Bruce's passing. A leader of one of our largest firms, his efforts contributed to a better built environment and advanced the profession. Bruce was a good friend to AIA New Hampshire, offering assistance in his quiet way and with a ready smile. We will miss him.

— Carolyn Isaak, Hon. AIANH
Executive Director, AIANH

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In Memoriam

Bruce Wayne Dicker FAIA

by North Sturtevant, JSA Inc.



Bruce Wayne Dicker, 63, of Dover, NH, passed away in March from natural causes while wintering in Tucson, AZ.

Bruce joined JSA in 1994 following 13 years at Keyes Condon Florence Architects in Washington, DC, where he was a Principal and General Manager. As the General Manager of KCF, Bruce took the opportunity to bring rigor to the business of architecture, helping to put KCF on a solid financial footing. Having done that, Bruce started to look for opportunities to bring his firm-building acumen to another company outside of Washington, which was brought to the attention of JSA. Perhaps serendipitously, JSA matched the profile of the type of firm he was interested in joining and eventually acquiring. The attraction being mutual, Bruce joined JSA in the spring of 1994. Over the next 20 years he served as its President and CEO.

He had a pedigree like no other including degrees from Princeton and the Harvard GSD; a Fulbright Scholar spending nine months in Finland studying Alvar Aalto's work; the past president of the Washington, DC Chapter of AIA, and; a Fellow of the American Institute of Architects.



Bruce was a very humble person, rarely taking credit for any of his many achievements preferring to "lead from behind." During his tenure as President and CEO he was instrumental in the success of JSA, specifically:

- Initiating the process that led to the creation of Project Center, a pioneering and industry defining, international, internet based project management application;
- Expanding JSA to Jacksonville, FL and Washington, DC;
- Growing the firm to over 80 architects, interior designers and support staff;
- Facilitating retreats, writing marketing plans, commissioning third party strategic plans, and;
- Financial planning, banking relations and business management.

Bruce retired from JSA in 2014 and split his time between Dover, NH, and Tucson. He was active on the boards at Strawberry Banke, Plan New Hampshire and the Birchtree Center, the building committee at Berwick Academy, and the vestry at Saint John's Church.

Born in Detroit, MI, son of Arthur F. Dicker Jr. and Elva L. (Woehrle) Dicker, Bruce is survived by his former wife of 35 years, Catherine (Tinka) Pritchett and their sons, Gabriel Coert Dicker and Christian Cole Dicker; his brother, Arthur F. Dicker III; and sister, Mary Sekaquaptewa Righter.

Memorial gifts in Bruce's memory can be made to The Birchtree Center at 2064 Woodbury Avenue, Suite 204 Newington, New Hampshire 03801-2808. ■

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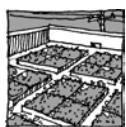
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Partnership to Help NH Firms Benchmark Projects

by Paul Leveille

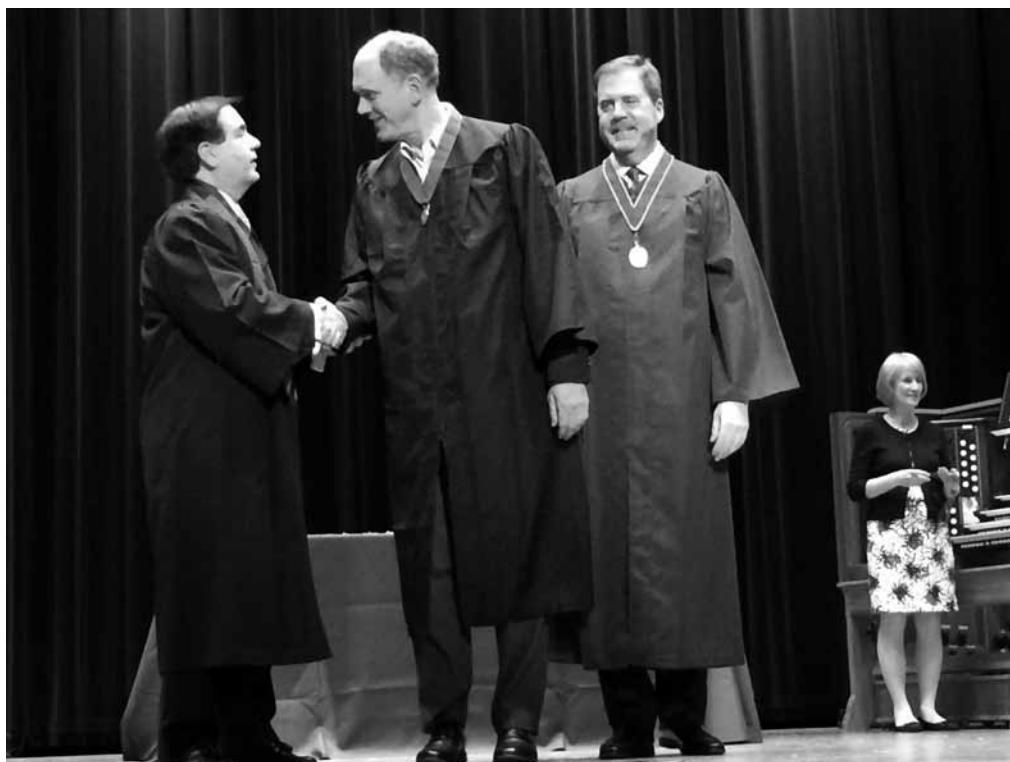


AIANH and Resilient Buildings Group (RBG) are partnering to help firms benchmark the energy use of recent projects and enter the data into the "AIA2030 Commitment" database (www.aia.org/practicing/2030Commitment).

The AIA 2030 Commitment is a growing national initiative that provides a consistent, national framework with simple metrics and a standardized reporting format to help firms evaluate the impact design decisions have on an individual project's energy performance. The program collects and disseminates aggregated information about the actual vs projected energy use of newly designed and

constructed buildings. Firms interested in participating will enroll in the program and provide a list of projects to benchmark along with contact information to RBG. RBG staff will work with you to collect building information and modeled and/or actual energy use data and enter the data at the program's online tracking tool Design Data Exchange.

The first 10 projects will receive a reduced rate of \$100 each. Earn bragging rights by knowing your projects' energy use intensities and know what worked well to save energy. Call Paul at RBG at 603-226-1009 x 205 or email at pleville@resilientbuildingsgroup.com. ■



Doug Bencks FAIA (center) is honored at the AIA College of Fellows Investiture Ceremony on May 20 at the AIA Convention in Philadelphia, PA. The ceremony was held in Irvine Auditorium at the University of Pennsylvania. Doug is shaking the hand of John R. Sorrenti FAIA, Chancellor, College of Fellows, while AIA President Russell A. Davidson FAIA looks on. The College of Fellows is composed of members of AIA who are elevated to Fellowship by a jury of their peers. It is one of the highest honors the AIA can bestow upon a member. Elevation to Fellowship not only recognizes the achievement of the architect as an individual, but also elevates before the public and the profession those architects who have made significant contributions to architecture and to society. See the article in the March NH Forum or online at: <http://www.aianh.org/blog/douglas-bencks-elevated-college-fellows>. Photo by Peter Kuttner FAIA.

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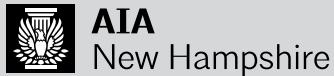


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AIANH High School Student Design Competition Winners Announced



AIA New Hampshire announced the results of its 2016 High School Design Competition. Awards at the AIA New Hampshire / Keene State College Architecture Department Annual Meeting April 28.

The AIANH Design Competition is a program that requires students to work on a theoretical project under the guidance of their teachers. AIANH volunteers visit the schools when possible to explain the project and give critiques before the submissions are due. The program involves a design solution, a three-dimensional model, and a graphic plan of the project.

AIANH created the program for high school students to increase awareness of the relationships between space, human scale and function; gain experience in recognizing the various challenges in planning and designing indoor and outdoor spaces for specific uses; exercise analytical abilities and creativity in solving the problems; and gain experience in communicating planning and

design ideas using scale drawings and models.

The competition gives students a fun opportunity to develop these skills and to learn about the various aspects of planning and design. This year's project was based on the fantasy of the 35th America's Cup being held in Portsmouth, NH. Students were asked to design a Youth Education Pavilion, a highly visible structure to tell the story of the race, the history of sailing, and to introduce local youth to sailing. They were given program parameters and a site plan of Odiorne Point to work with.

The following winners received awards:
Best Design, Overall Superiority, in all aspects of Design Solution, Model, and Graphic Presentation:

Patrick Chan, Salem High School
Giuseppe Puglisi, Pinkerton Academy

Best Model describing Design Solution:

Jarod Redfield, Philip Martino, and
JT Cloutier, Monadnock Regional HS
Kara Ammon, ConVal Regional HS

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Winners of the AIANH High School Design Competition: Hannah Cheneau, Kara Ammon, both from ConVal Regional High School, Peterborough, NH.; Phil Martino, JT Cloutier, and Jarod Redfield, Monadnock Regional High School, Swanzey, NH; Brenna Whitney, Lindsay Woodward, and Hayden Pavao, Pinkerton Academy, Derry, NH; and Patrick Chan, Salem High School, Salem, NH. Missing from the photo was Giuseppe Puglisi of Pinkerton Academy. Photo by John Hession

AIANH-KSC Event Draws Over 90 Participants



AIA New Hampshire and Keene State College Architecture Department's annual joint event on April 28 honored Dr. Jay V. Kahn, celebrated the establishment of the AIA New Hampshire-Kahn Family Fund for the Advancement of Architecture (see article in the April 2016 *NH Forum*) and highlighted the winners of the AIA New Hampshire High School Design Competition (see story on opposite page).

Dr. Kahn, who recently retired as Vice President of Finance and Planning after 27 years at the College, was named an Honorary Member of AIA New Hampshire in 2013. He was instrumental in creating and executing a long-term vision for the physical character of the Keene State College campus, which has resulted in a beautiful environment displayed in both the buildings and grounds. Additionally, Dr. Kahn supported the development of the architecture program and major at Keene

State College.

A panel of architects, engineers, and construction firms presented an overview of projects built during Kahn's tenure and discussed KSC's "Campus Transformation in Form and Function." Panelists included: Jon Ross – Associate Principal, Ann Beha Architects, formerly with Shepley Bulfinch; Fred Urtz AIA – Design Principal, Lavallee Brensinger Architects; Ellen Watts AIA – Architerra Inc.; Pierre LeBlanc – President, Engelberth Construction; Phil Whitton, Rist Frost Shumway and Jean Garbier ASLA, VHB.

Sponsors of the event were Engelberth Construction, Catlin + Petrovick Architects, Lavallee Brensinger Architects, Peter H. Hartz, Daniel V. Scully Architects, and Bruce Ronayne Hamilton Architects.

More on the AIANH-Kahn Family Fund is available at: www.cvent.com/d/0fqdcy/3K?cpc=V4NDKR58M25 ■



Presenters at the AIANH-KSC event: Jean Garbier, landscape architect, VHB; Phil Whitton, Rist Frost Shumway; Jon Ross AIA, Ann Beha Architects (formerly with Shepley Bulfinch); Ellen Watts AIA, Architerra, Inc.; Cheryl and Jay Kahn; Donna Paley, Associate Professor, KSC Architecture Dept.; Jay L. Purcell AIA, J.L. Purcell Architects and President of AIANH; Fred Urtz AIA, Lavallee Brensinger Architects; Pierre LeBlanc, President of Engelberth Construction. Photo by John Hession

Thank you to our Sponsors of the AIANH-KSC Event

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Details...

North Branch Construction is set to begin the construction of a new 18,000 square foot indoor shooting range at the Sig Sauer Training Academy in Epping. Construction is expected to be complete by early next year. Design for this Design-Build project is provided by **Lauer Architects**.

TFMoran announces that Natalia Kulchitskaya, EIT has joined the firm as a project Structural Engineer in its Bedford office. Ms. Kulchitskaya has a Master's degree in Civil/Structural Engineering from the University of Alaska Fairbanks, and a Master's degree in Applied Mathematics and Mechanics from Lomonosov State University in Moscow, the highest-ranked Russian school, graduating with honors. Ms. Kulchitskaya structural design experience includes steel and timber commercial and industrial buildings, steel tanks, and pressure vessels. Her previous work experience includes research at the Water and Environmental Research and Transportation Centers at the University of Alaska. While in Russia, Ms. Kulchitskaya was the head of a university math department. She is familiar with REVIT, RISA 3D, SAP 2000, RAM Steel, SolidWorks, AutoCad, MathCad, and Abaqus.



HIGH SCHOOL COMPETITION

Continued from page 10

Best Graphic presentation describing Design Solution:

Hayden Pavao and Lindsay Woodward,
Pinkerton Academy

Brenna Whitney, Pinkerton Academy

Jurors' Citation for Overall Design Idea and Model Quality:

Hannah Cheneau, ConVal Regional HS

Jurors' Citation for Hand Drawn Sketches:

Brenna Whitney, Pinkerton Academy

In total, \$3,150 was awarded to the students.

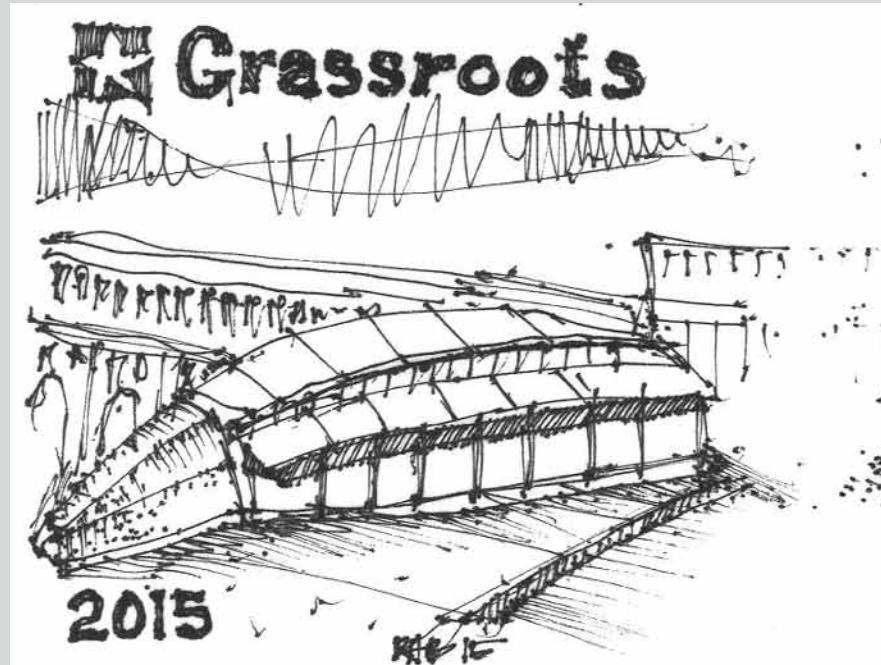
Jurors were Dennis McNeal AIA, Warren-street Architects, Concord, NH, and Sheldon Pennoyer AIA, Sheldon Pennoyer Architects, Concord, NH. The jury commented on the high quality of all the submissions, noting

that everyone addressed the challenges of the design problem with a high level of creativity. The overall quality of the boards and models was exceptional.

The winning students' teachers are also recognized. They are Rolfe Voltaire, Pinkerton Academy; Karen Fabianski, ConVal Regional High School; Gerald Kuhn, Monadnock Regional High School; Scott Kukshtel, Salem High School; and Frank Xydias, Milford High School. AIA New Hampshire architects also volunteered to critique the projects during their creation.

The 2016 AIANH High School Design Competition was sponsored in part from a grant from the AIA/NH Architecture Foundation. ■

Sketch of the Month



This sketch is of the bike Station outside Union Station in Washington, DC drawn during the 2015 AIA Grassroots Conference.

by Paul Bourbeau AIA, PROCON, Inc.

We need more of your sketches and other art work! Email a scan of your sketch, drawing, or painting as a 300 ppi jpg or pdf to office@aianh.org, with a caption.

AIA | New Hampshire Architecture Foundation Awards Scholarships



AIA New Hampshire and the New Hampshire Architecture Foundation (NHAF) have announced the recipients of their jointly sponsored scholarship programs. \$1,000 grants will be awarded to Stefan Burnett of Derry, NH and William Toohey of Rochester, NH, both of whom will enter their fourth year this fall in the Wentworth Institute of Technology architecture program, and Lindsey Buyer of Keene, NH, a second year student at Virginia Tech. Brenna Whitney of Derry, NH, a senior at Pinkerton Academy, will receive a \$500 scholarship. She will enter Roger Williams University in the fall.

The AIA | NHAF Scholarships are granted to students who are currently enrolled or accepted to an accredited undergraduate or

graduate professional architecture degree program and who are residents of New Hampshire. The scholarship program also accepts applications from Keene State College's undergraduate pre-professional architecture program and NHTI, Concord's CC, architecture engineering technology program.

The AIA|NH Architecture Foundation scholarship program is supported in part by a grant from the AIA Component Scholarship Grant Program.

The scholarships will be presented by Jay Lawrence Purcell AIA, president AIA New Hampshire and vice president of the NH Architecture Foundation, at the June 30 House Tour.

The AIA | NH Architecture Foundation Scholarship program has dispersed a total of \$23,400 since the first award in 2009. ■

2015 NHAF Annual Report

by Paul Bourbeau AIA, 2016 NHAF President



The New Hampshire Architecture Foundation was established by AIA New Hampshire in 2007 as a grant-making vehicle for programs supporting its mission. The Foundation seeks to promote quality in design, construction, and preservation and to foster sustainability and an understanding of design excellence in the built environment.

The NHAF supports programs that offer educational opportunities for the public and young professionals and that involve participation and support from local design and building professionals.

2015 was another positive year for this small 501(c)3. We received donations from members and the general public, as well as from the AIA Component Scholarship Grant Program. Donor names were published in the March 2016 NH Forum and can be accessed at: www.aianh.org/content/2015-2016-nh-architecture-foundation-donors.

We granted two \$1250 scholarships in 2015, to William Toohey and Stefan Burnett, both students at Wentworth Institute of Technology. In addition, the Foundation awarded two \$1,000 grants, one to the AIANH Emerging Professionals Network and one to the AIANH Learning by Design Educational Outreach program. ■

2015 NHAF FINANCIAL REPORT

Revenue

AIA Matching Grant	\$1,000
Donations	5,211
Total	\$6,211

Expenses

Scholarships	2,500
Grants	2,000
State Filing Fee	102
Total	\$4,602

Net 2015

Net 2015	\$1,609
----------	---------

2015 End of Year Net Worth

2015 End of Year Net Worth	\$13,612
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Details...

Adam Jimenez has joined **TFMoran's Landscape Architecture Department** serving as an Assistant Land Planner. Mr. Jimenez has a Bachelor of Science degree in Landscape Architecture from the University of Rhode Island with a minor in Community Planning.



His design experience includes interdisciplinary, urban, disaster resiliency and habitat. Previously, Mr. Jimenez was employed at a local company designing and installing hardscapes and softscapes for commercial and residential applications. He also served as an assistant to the Director of Merrimack, NH Parks and Recreation Department.

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Name and address
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Name and address

NAZAKA, *Continued from page 3*

deadline to meet, turn off email notifications on your computer. Little pop ups like that only get you distracted from the task at hand.

Managing yourself can also come in a variety of ways. Do you do a lot of repetitive tasks? Create templates...for everything. Do you manage a lot of people or conduct project meetings? Do you go to a lot of meetings? More meetings means less work is getting done. Prior to meetings, know your objective; what are you asking of others, or what is being asked of you. Don't just listen – process. Know the desired outcome of the meeting, and a higher level of productivity will be realized.

Don't Wear Yourself Out

Ultimately, you want to keep your love for design and building. Maintaining a good balance of play and professionalism is essential to reaching your full potential. Not all work in the architectural world is "fun," but if you can work smarter and not harder, you will most likely produce better results and a higher amount of satisfaction. ■

HOUSE TOUR, *Continued from page 1*

Pond and Pack Monadnock beyond.

Four Winds, the site of our reception, is Rick and Duffy Monahon's former home, now transitioned to a working farm and event venue. The Holmes family will give us an overview of their efforts in bringing the property back to a working farm, using sustainable practices in raising beef, lamb, and dairy products.

The tour and reception run from 3:30 to 9:00 pm. All registrants will receive a detailed map and schedule. Our House Tours are wonderful events. Don't miss this opportunity to see four beautiful homes, plus visit Four Winds Farm for some delicious food and drinks. This is our last event until September, so please join us and celebrate the arrival of summer!

3 AIA LU/HSW.

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To register, visit our events page: www.aianh.org/news/aianh-events. ■

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Construction Summary

Project Type: Short Term Stay Housing Shelter 2016 Renovation (Roxbury Street Rehabilitation)

Cost: \$213,600

Location: Keene, NH

Owner: Keene Housing Authority

Architect: Weller & Michal Architects

Engineer: Russ Downing

Gen. Cont.: Score Construction Services

Project Type: Silver Center For The Arts ReRoofing

Co.st: \$775,000

Location: Plymouth, NH

Owner: University System of New Hampshire

Architect: David Laurin AIA

Engineer: Rist Frost Shumway Eng.

Contractor: Viking Roofing

Project Type: Johnson Creek Village Assisted Living Development

Location: Dover, NH

Owner: Cocheco Village Inc.

Architect: AG Architects PC

Engineers: Civilworks, Bennett

Engineering, JSN Associates

Const. Mgr.: DeStefano & Associates Inc.

Project Type: Field House HV Replacements Phase IV Of VII Modifications To HV13

Cost: \$408,780

Location: Durham, NH

Owner: University of, NH

Architect: Harriman Associates

Contractor: Charters Brothers

Project Type: Union Grille Renovations (Plymouth State University)

Cost: Approx. \$300,000

Location: Plymouth, NH

Owner: University of NH

Architect: Port City Architecture

Const. Mgr.: Bauen Corp.

Project Type: Food Coop Grocery Store Expansion

Location: Littleton, NH

Owner: Littleton Food Coop

Architect: Gossens Bachman Architects

Engineers: Engineering Ventures

Engineers, Yeaton Associates,

Engineering Ventures

Gen. Cont.: Trumbull Nelson Co.

Project Type: Terminal Building Restroom & Security Improvements (Portsmouth International Airport)

Cost: \$455,000

Location: Portsmouth, NH

Owner: Pease Development Authority

Architect: JSA Inc.

Engineers: Greenman Pedersen Inc., Engineered Building Systems Inc., Petersen Engineering

Gen. Cont.: Careno Construction Co.

Project Type: UNH Kingsbury Hall Northeast Stair Replacement

Cost: \$128,915

Location: Durham, NH

Owner: UNH/USNH Purchasing Office

Architect/Engineer: Hoyle Tanner & Associates

Gen. Cont.: JTI Site Development

Project Type: Park Theatre

Location: Jaffrey, NH

Owner: The Park Theatre

Architect: BKA Architects, Brockton, MA

Engineer: TF Moran

Const. Mgr.: Hutter Construction Corp.

Project Type: Dormitory/Residence Hall (SNHU)

Location: Hooksett, NH

Owner: Southern New Hampshire University

Architect: Lavallee/Brensinger PA

Engineers: TF Moran, Rist Frost Shumway Engineering, Foley Buhl Roberts & Associates

Const. Mgr.: Whiting Turner Contracting

Project Type: Palliative & Hospice Care Center (Dartmouth Hitchcock Medical Center)

Location: Lebanon, NH

Owner: Dartmouth Hitchcock Medical Center

Architect: Morris Switzer & Associates

Engineers: Engineering Ventures,

Fitzmeyer&Tocci Associates,

Engineering Ventures

Const. Mgr.: PC Construction

PURCELL, Continued from page 15

listen to Ms. Oxman, an Architect and MIT professor, as she showed us the possibilities of the future from the work she and her team are exploring at the MIT Media Lab, where she directs the Mediated Matter research group. They have been given the opportunity to imagine what the future can bring based on merging the expanding threads of knowledge from our time, and how we might choose to use them. An important part of her work is a reverence for nature and a constant learning from the organisms and materials that nature has evolved. We mimic characteristics and properties of the natural world in evolving materials and techniques that nature demonstrates time and again it greatly exceeds – yes, even based on current technology with our amazing digital tools, nano-space focus, and evolving but incomplete growth of genetic knowledge.

Neri presents a symbiotic design future where materials and forms are more ‘grown into wholes’ than assembled from parts, utilizing lessons from nature and the capabilities of robotics and ‘3-D printing’ (or 6D printing with three spatial properties and three others). This is beyond our current assemblage of mostly orthogonal components. It is impossible to describe without the visual aids she uses in her talks. If you are curious about this, you can get a taste of this approach in a TED talk she gave about six months ago. It is easily accessed by a google search of her name, Neri Oxman. For anyone wondering where digital technology could take us if it begins to take its inspiration from nature, you may enjoy the imagery.

As I watched Ms. Oxman’s presentation, I kept thinking of another inspiring speaker, James Connelly who was discussing the Living Building Challenge at 7:00 am on the first day. I could begin to see that the goals James sought for buildings and the built environment could be reachable if the tools and design approach Neri describes are implemented. ■

**Construction Summary is provided by
Construction Summary of NH, Inc.
734 Chestnut St., Manchester, NH 03104**

Calendar of Events

June 9 2030 & Beyond: Zero Net Energy Homes and Deep Energy Retrofits – A View from the Trenches. 6.5 AIA LU/HSW. www.aianh.org/news/aianh-events

June 16 NH AEER TF event for current and prospective members. **AIA LUs available.** www.aianh.org/news/aianh-events

June 30 AIANH House Tour, Peterborough area, reception at the late Rick & Duffy Monahon's Four Winds Farm. **AIA LUs available.** See page 1 and www.aianh.org/news/aianh-events

Coming this fall:

Oct 5 2030 & Beyond Workshop with Joe Lstiburek. More details available soon at www.aianh.org/news/aianh-events

Sept 22 AIANH / Plan NH Film Preview: Three short films (30 min total running time). The first two show how Net Zero Design has been implemented in two projects, the Tin Mountain Conservation Center and a Canterbury residence. A third film will discuss how New England Architects in large scale commercial and residential practice have made changes in their firms culture to make integrated design a mainstay of their design process. The films will be followed by a panel discussion, addressing how meeting the 2030 challenge of all buildings being net zero by 2030 is not only achievable but is no longer a constraint on the design process. We will also discuss policy trends at the state and national level that are making renewable energy mainstream and fully suited to any building or planning project. **AIA LUs available.** www.aianh.org/news/aianh-events

Oct 19 AIANH ARCHtoberfest, with special guest, the AIAVT Chapter. Harpoon Brewery, Windsor, VT. Details soon at www.aianh.org/news/aianh-events

Nov 2 2030 & Beyond Workshop with Peter Yost. More details available soon at www.aianh.org/news/aianh-events

Dec TBD AIANH Education Day

Jan 20 AIANH Annual Awards Banquet



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Photo of the Month



StoneBale Sculpture: A sculpture by Terrence Parker, Terra Firma Landscape, sits on Roberts Road in Rollinsford, NH. The StoneBale makes reference to present day hay production in this rolling field and to the idea that, like the abandoned stone walls from the 19th century, this stone structure will serve to mark a human use of the land for many decades to come. The StoneBale is 8' ht x 5' wide and was built by Full Circle Stone Works.

Photo by: Deb Cram, Seacoast Media Group

Do you have an interesting photo? Why not send us one to print? 300 ppi jpegs, approximately 4 x 6 inches, BW or color. (photos are also posted on the website at www.aianh.org/news/photo-of-the-month.) Send along a title, caption, and your name, to office@aianh.org.