

ROBERT BRADFORD NEWSLETTER 2010 STUDENT AWARD FUND

FUND'S 2010 YEAR AT A GLANCE

December 31, 2010 completed another successful year for the Newman Fund. Newman Medals were awarded to 15 students, bringing the total to 227 medals awarded at more than 50 schools of architecture, engineering, and music throughout the world since the program began in 1985.

Five student teams received Harry Wenger prizes in 2010 for their meritorious design work, juried and displayed at the ASA Student Design Competition held at the 159th meeting of the Acoustical Society in Baltimore, MD.

Applications for the next Schultz Grant to be awarded in 2012 are due by December 31, 2011. Check newmanfund.org for announcements.

The appreciation of the Advisory Committee is extended to students, teachers, consultants, as well as other professionals and supporters whose extraordinary voluntary efforts make the work of the Fund possible and thoroughly enjoyable. Continuing appreciation is extended to the staff at the Acoustical Society in Melville, NY who help The Fund's operation run so seamlessly.

Mary Shaw Newman

Carl Rosenberg

Bill Cavanaugh

FUND TO CELEBRATE 25th ANNIVERSARY AT SEATTLE ASA

A special session honoring the 25th anniversary of the Newman Student Award Fund will be held at the 161st ASA meeting in Seattle in May 2011. The session, entitled "25th Anniversary of Newman Fund Awards - Recipient and Participating School Updates" has a total of 13 invited papers and will be followed by a reception.

The session will be co-chaired by William Cavanaugh and Michelle Vigeant, who will also present the first paper in the session providing a short history of the program.

Updates from several participating schools that teach architectural acoustics and Newman Medal recipients will follow, and the session will close with remarks from Mrs. Mary Newman and a paper given by Carl Rosenberg titled "Following Hallowed Footsteps and New Paths".

2011 BENEFIT CONCERT SCHEDULED

The annual Newman Fund Benefit Concert will be held at the Newman residence in Lincoln, MA on Thursday May 19, 2011, and will feature the Lincoln Hill Trio.

Friends of the Fund from near and far are cordially invited. Further details and directions are posted on the ASA Greater Boston Chapter website (gbcasa.org).

15 NEWMAN MEDALS AWARDED IN 2010

During 2010, 15 students were awarded Newman Medals. The medalists, their schools and their research thesis or senior projects follow:

Michael Crabb

University of Nebraska
"Measurements and Analysis of the Suzanne and Walter Scott Recital Hall"

Jessamyn Newcomb

Virginia Tech
"The Unraveling of a Building"

Jessica Katherine Turner

Massachusetts Institute of Technology
"MIT Kresge Chapel Computer Model and Auralization"

Nick Durup

London South Bank University
"Acoustical Design and Testing of a Music Rehearsal and Recording Facility"

Timothy Hsu

Georgia Institute of Technology
"Occupant Outcomes and Potential Acoustical Interventions in Hospitals"

David Avi Dick

University of Hartford
"Relationship between Acoustic Absorption and Late Lateral Sound Level"

Thomas Joseph Joyce

University of Idaho
"Design of a Portable, High Performance Outdoor Venue"

Erik Snow

Vassar College
"Numerical Prediction of Sound Scattering from Surfaces with Fractal Geometry"

Lucky Shin-Jyun Tsaih

University of Florida
"Band Rehearsal Room Acoustics"

Carlos Jimenez Dianderas

University Politecnica de Madrid
"Acoustical Parameters in Peruvian Catholic Churches of the Colonial Period"

Raunak Mukherjee

Berklee College of Music
"Acoustical Analysis of Studio L3 at Berklee College of Music"

Matthew Thomas Snyder (2009*)

University of Florida
"Experience and Space: Architecture of Sound"

Reece Barrett Skelton (2008*)

University of Florida
"Fort Myers Sound"

Joshua Colt Fisher (2007*)

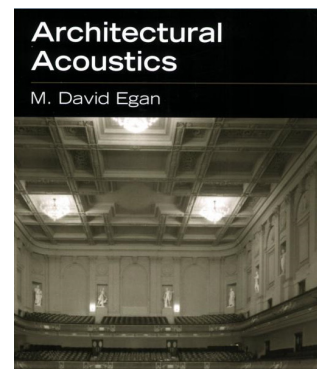
University of Florida
"SoundScapes: Representing Objects, Space and Time through Musical Composition"

Jeremy J. Hill (2006*)

University of Florida
"Architectural Music"

** Medal received in 2010.*

SPOTLIGHT ON FUND ADVISOR M. DAVID EGAN



Born in Trenton, New Jersey, M. David Egan was educated in public schools and Lafayette College (Easton, PA). Commissioned a Second Lieutenant in the US Army in 1962, he was sent to France to command troops of the 39th Ordnance Detachment at Robert Espagne (Meuse). In 1964, he returned home to attend graduate school at MIT, where he majored in CE and took courses in architecture. After graduation, Egan worked in New Orleans designing offshore-structures for "Big Oil," married Jeannie, and taught an evening acoustics course at Tulane University. Bob Newman's 4.43 course at MIT inspired him to teach. In 1968, he joined BBN Cambridge, MA, where he was mentored primarily by Parker Hirtle, Jack Curtis, and Ted Schultz.

Egan recalls that BBN had some features of a graduate school, with weekly seminars and occasional workshops. Two years later he returned to the Tulane School of Architecture faculty to develop and teach 3-credit hour courses in architectural technologies. He was hired by Dean John W. Lawrence, an architect who admired Bob Newman and BBN.

During his full and part-time teaching career, primarily at Tulane (5 years), Clemson University (25 years), Georgia Tech (14 years), and University of North Carolina Charlotte (21 years), he taught nearly 4,000 undergraduate and graduate students, including fifteen Newman Medalists. Currently he is a Professor Emeritus at Clemson. In 2000, Clemson awarded him the Doctor of Laws (Honoris Causa). Egan's writing career began at Tulane, where paperback first editions of his McGraw-Hill book on acoustics (1972) and Prentice-Hall book on thermal comfort (1975) were published. Three decades later, the principles presented in the Prentice-Hall book have been given the rubric "Green." There are more than 100,000 copies in print of his six hardbound books on acoustics, lighting, energy-conscious design, and building fire safety. The books have been adopted for classroom use at more than 200 architecture schools worldwide and are available in eight languages.

Since the early 1970s, Egan's consulting practice ensured that his teaching would be continually informed by practical experience. He has consulted on more than 1000 projects on four continents occasionally with former BBN colleagues David Kaye and Chris Paulhus as associated consultants. He participated in countless seminars and workshops on acoustics, lighting, HVAC/energy design, seismic design, fire safety, and ethics. He recalls that during his early years in ASA the sharing of technical knowledge was widespread and that meeting fees were less than \$50. For many years he taught summer workshops for faculty from member schools of the Association of Collegiate Schools of Architecture (ACSA) and for the American Institute of Architects (AIA). In 1991, the AIA recognized his consulting, teaching and writing achievements by electing him Honorary Member. In 2005 he was named an Honorary Member of the National Council of Acoustical Consultants (NCAC). Currently he and Jeannie are writing a two volume history of US military forces in post WWII France (1949-68). When completed Egan plans to revise his acoustics book for the next generation of students.

SCHULTZ GRANTS UPDATE

Prof. Ralph Muehlheisen of the Illinois Institute of Technology was awarded the 2010 Schultz Grant to develop a virtual sound level meter. The software will allow users to compute running sound pressure levels with A or C weighting, with fast or slow response, much as an inexpensive type 2 SLM would.

It will also allow for LEQ, octave band and 1/3 octave band sound level computations. He plans to complete the project during 2011.

Applications for the next Schultz Grant to be awarded in 2012 are due by December 31, 2011. Visit newmanfund.org for application information.

2010 STUDENT DESIGN COMPETITION RESULTS

The 2010 Student Design Competition was judged in May at the 159th ASA Meeting in Baltimore, MD. Twenty five entries competed for five awards, one First Honors and four Commendations. A distinguished panel of acoustical consultants, architects and educators evaluated each entry and awarded the Commendations.

Participation in the competition requires an enormous amount of effort, and each of the entries demonstrated an extraordinarily high quality of student work and understanding of acoustic design. Each of the participants is congratulated on a job well done.

FIRST HONOR

(\$1250 WENGER PRIZE)

Guo Yu, Liu Yanchang, and Hua Shan

Tsinghua University

COMMENDATIONS

(FOUR \$700 WENGER PRIZES)

Stephanie Hoeman

University of Kansas

Faculty Advisor: Bob Coffeen

Charles Labatut, Jens Olsson, and

Lukas Nordstrom

Chalmers Institute of Technology

Faculty Advisor: Mendel Kleiner

Raul Pagan, Sebastian Jenneteg, and

Joel Berge

Chalmers Institute of Technology

Faculty Advisor: Mendel Kleiner

Norman Philipp and Rachel Lin

University of Kansas

Faculty Advisor: Bob Coffeen

2011 STUDENT DESIGN COMPETITION AT ASA IN SEATTLE, WA

The 161st ASA meeting in Seattle (May 23-27, 2011) will host the eleventh annual Student Design Competition. The design problem is described on the Newman Fund website (newmanfund.org), and in the program for the meeting.

Through the continuing generosity of the Wenger Foundation, there will again be one First Honor Wenger Prize of \$1250, and four Commendation Wenger Prizes of \$700 each, awarded to outstanding student design team posters, selected by a jury of distinguished professionals.

Please contact Bob Coffeen at the University of Kansas (coffeen@ku.edu) for further information and details of the Student Design Competition program.

ROBERT BRADFORD NEWMAN STUDENT AWARD FUND

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Ronald McKay
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* Past Newman Medalists

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