

ROBERT BRADFORD NEWMAN

NEWSLETTER 97

S T U D E N T A W A R D F U N D

Eight Medals Awarded to Students During 1997

In 1997 the twelfth year of the Robert Bradford Newman Student Award Medal Program, eight students were selected to receive the medal "For Merit in Architectural Acoustics." All recipients attended architectural schools previously represented by medalists in past years, including Princeton University and the University of Florida, where two students were recipients of medals this year. Following is a list of the recipients of medals and their projects:

Michelle L. Amt
Princeton University
Acoustical Oppositions In a Performing Arts Center: Building as Narrative

Gabriel Caunt
University of Kansas
A Practical Study of Auralization Using EASE and EARS Software

Karen Timms Godsey
Clemson University
Community Theater for Greenville, SC

Christopher R. Herr
University of Florida
An Acoustical History of Theaters and Concert Halls

Travis L. Hicks
Princeton University
Acoustical Oppositions in a Performing Arts Center: Building as Narrative

Jacob E. Kain
Massachusetts Institute of Technology
Concept Development for Performing Arts Center: Acoustical Integrity

Shannon L. McKee
Roger Williams University
Falmouth Playhouse on Cape Cod, MA

David Prince
University of Florida
Variation of Room Acoustics
Measurements as a Function of Source Location and Directivity

Neil Shade Awarded 1997 Schultz Grant

The 1997 Theodore John Schultz Grant for Advancement of Teaching and Research in Architectural Acoustics has been awarded to Neil Thompson Shade, President and Principal Consultant of Acoustical Design Collaborative, Ltd. of Falls Church, Virginia.

The grant money will be used to develop a Sound Design Guide for instructional use by faculty and students in schools of architecture. The Design Guide will cover the basics of sound systems design, its integration within buildings, and requirements for contract documents.

Mr. Shade states, "With rising public expectations on the performance quality of reproduced sound in building, I am hoping the Design Guide will enable students, faculty and practicing architects to more fully understand fundamental electro-acoustic principles and be able to successfully integrate these systems within buildings, achieving a level of technical performance equal to other building systems."

Siebein and Berry Join Newman Fund Advisory Committee

Gary W. Siebein and Lincoln B. Berry have accepted appointments to serve on the Newman Student Award Fund Advisory Committee. They will add immeasurably to the experience and breadth of the Committee which has guided the Fund's activities over the past fourteen years.

Gary received his BS and BArch degrees at Rensselaer Polytechnic Institute, and in 1980 his master's thesis on acoustical modeling led to a Master of Arts in Architecture degree at the University of

Florida, under the tutelage of Professor Bertram Y. Kinzey, Jr., FASA, AIA. This was the beginning of a long association with Kinzey and the University, where he joined the Architecture Department Faculty in 1980. In 1985 he founded and became the Director of Architecture Technology Research Center at the University. Since 1981 he has also headed his own consulting firm, Siebein Associates, Inc. He is a registered architect in Florida and a Fellow of the Acoustical Society of America.

Gary's students have been awarded Newman medals each year since 1986, thirteen in all, through 1997.

Lincoln Berry received his BFA and his Bachelor of Interior Architecture at the Rhode Island School of Design in 1988. That year he was also RISD's recipient of the Newman Medal.

After several years of consulting in lighting design and serving as Regional Technical Representative for a major loudspeaker manufacturer, Lincoln joined the consulting staff of Cavanaugh Tocci and Associates in Sudbury, MA in 1994. He consults on a wide range of architectural acoustics, noise and vibration, sound system design and environmental noise control projects. He also teaches courses in architectural acoustics and architectural lighting at the Boston Architectural Center.

Newman Fund Supports ASA Design Competition

In June of this year the Newman Fund helped to support a Student Design Competition as part of the meeting of the Acoustical Society of America at Pennsylvania State University. The competition design was for a modest performing arts center for a small college, emphasizing room acoustics and architectural noise control. The designs were each presented on two posters.

Among seventeen entries from eight schools, two Newman medal recipients received commendation awards with monetary compensation. They were Jacob E. Kain of the Massachusetts Institute of Technology and Gabriel Caunt of the University of Kansas.

The judges were:

Arthur Anderson, Professor of
Architecture, Penn State University

Dana Houglund, Acoustical
Consultant, Omnivest Technologies,
Denver

Howard Kingsbury, Professor
of Architectural Engineering,
Penn State University

Dennis Paoletti, Acoustical
Consultant, Paoletti Associates,
San Francisco

Greg Tocci, Acoustical Consultant,
Cavanaugh Tocci Associates,
Boston

"The Sabines of Riverbank" by Kopec, Published by ASA

John W. Kopec, Laboratory Manager, Riverbank Acoustical Laboratories, IIT Research Institute of Geneva, Illinois, and a long time supporter of the Newman Fund, has just written a book, *The Sabines of Riverbank*. This tells the story of three Harvard physicists whose relationship with the Riverbank Acoustical Laboratories began in the early 1900s when Wallace Clement Sabine designed and supervised the construction of the world's first acoustical laboratory.

Following Wallace's untimely death after World War I, his cousin, Paul Sabine, took over the operation. In the 1950s, his son, Hale Sabine, took over this responsibility, continuing this work into the 1980s.

Kopec's account traces the history of the development of modern architectural acoustics through the 20th century, describing the enormous contributions to this history attributable to the Sabine family. Although most friends of the Newman Student Award Fund may be aware of Wallace Sabine's reputation as "the father of architectural acoustics", few may know of the details of his

involvement as well as of the value of the contributions made to the history of this eminent laboratory facility by both Paul and Hale Sabine.

This hardcover book is available from the Acoustical Society of America, 500 Sunnyside Blvd., Woodbury, NY 11797, for \$20 (or \$15 for ASA members) plus \$5 for S. & H.
(tel. 516-576-2357, fax: 576-2377)

Robert Bradford Newman Student Award Fund

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