

ROBERT BRADFORD NEWMAN

NEWSLETTER 06

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

FUND'S 2006 YEAR AT A GLANCE

December 31, 2006 completed another successful year for the Newman Fund. Newman Medals were awarded to 11 students, bringing the total to 186 medals awarded at nearly 50 schools of architecture, engineering and music throughout the world since the program began in 1985.

The deadline for applications for the 2007 Schultz Grant has been extended to June 1, 2007 and it is expected to be awarded in late summer. Five student teams received Harry Wenger prizes in 2006 for their meritorious design work juried and displayed at the ASA Student Design Competition held in the spring at Providence, RI.

2006 was another stellar year for the Fund. 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 Elaine Moran and her office staff at the Acoustical Society in Melville, NY who help The Fund's operation run so seamlessly.

Mary Shaw Newman

Carl Rosenberg

Bill Cavanaugh

ELEVEN NEWMAN MEDALS AWARDED IN 2006

During 2006, eleven students were awarded Newman Medals. One new school, Tsinghua University, Beijing, China, has been added to the schools awarding Newman Medals. The medalists, their schools and their research thesis or senior projects follow:

KENNETH ANDRIA
Rensselaer Polytechnic Institute
"Variable Geometry Acoustics for Multipurpose Rooms"

JOSEPH DAHMEN
Massachusetts Institute of Technology
"Acoustical Effect of a Rammed Earth Wall and Related Barrier Analysis"

DANIELLE MARIE HAYNAY
Washington University
"Acoustical Implications of Renovation: Covedale Theater, Cincinnati, OH"

THOMAS A. JACKSON
Washington University
"Architectural Acoustics Listening Journal"

BRIAN JEFFERSON LINDVALL
Princeton University
"Historical and Analytical Study of Physical and Electronic Control of Office Environments for Acoustics"

ANDREW N. MILLER
University of Kansas
"Computer Model Analysis of an Existing Worship Space and Recommendations for Improvements"

YANG MING
Tsinghua University (Beijing, China)
"The Computer Simulation of Ambient Noise in an Urban Area"

ZUHRE SÜ
Rensselaer Polytechnic Institute
"Systematic Investigations on Energy Decays in Acoustical Coupled Spaces Using the Scale-Model Technique"

RACHEL SURFACE
Illinois Institute of Technology
"The Analysis and Design of Acoustic Performance Spaces"

MICHELLE C. VIGEANT
University of Nebraska at Lincoln
"Objective and Subjective Evaluation of the Multi-Channel Auralization Technique"

XIN ZHAD
University of Nebraska at Lincoln
"Acoustical Design of a New Municipal Building"



SPOTLIGHT FUND ADVISOR BILL CAVANAUGH

We are pleased to announce that Bill Cavanaugh, Co-Chairman of the Newman Student Award Fund, was awarded the Wallace Clement Sabine Medal of the Acoustical Society of America, presented at a meeting of the Acoustical Society in Honolulu, HI on December 1, 2006.

The Sabine Medal is the highest award given by the Acoustical Society in the field of Architectural Acoustics. The citation reads *for contributions to the practical application of architectural acoustics in building design and to education in architectural acoustics.*

Bill is the thirteenth medalist since the Sabine Medal was introduced in 1957. Previous recipients have included Vern Knudsen, Leo Beranek and Russell Johnson.

Bill studied Architecture at MIT and received his B. Arch. in 1951. He was introduced to architectural acoustics at MIT in 1949, when he took Professor Richard Bolt's introductory course, where Robert Newman was serving as teaching assistant, and the Advanced Problems in Acoustics course at the MIT Acoustics Laboratory.

After military service during the Korean War, Bill began his career in acoustics when he joined Bolt, Beranek and Newman in February 1954. In 1975 he joined with Gregory Tocci to found Cavanaugh Tocci Associates, now in its 31st year of operation. Bill's principal interests include the development of criteria for acceptable acoustical environments in buildings and in teaching architectural acoustics. In 1994, he was awarded the Acoustical Society's Distinguished Service Citation, and has served as President of the Institute of Noise Control Engineering of the USA (INCE/USA) and the National Council of Acoustical Consultants (NCAC). Bill has written and edited many technical papers and books, including *Architectural Acoustics: Principles and Practice* (Wiley, 1998).

Bill was one of Bob Newman's many friends who, soon after Bob's untimely death in 1983, sought a way to carry out Bob's vision that a good basic course in architectural acoustics be available at schools throughout the world. The Newman Fund has done much to achieve this objective. The Fund is one of Bill's favorite extracurricular activities that he intends to continue for the foreseeable future.



2006 STUDENT DESIGN COMPETITION RESULTS

The 2006 Student Design Competition, sponsored by the ASA's Technical Committee on Architectural Acoustics (TCAA), with the support of the National Council of Acoustical Consultants (NCAC) and the Newman Student Award Fund, was judged at the 151st ASA meeting in Providence, RI in June, 2006. The competition included posters from fourteen student teams.

A distinguished panel of acoustical consultants, architects and educators awarded one First Honor (\$1250 Wenger Prize) and four Commendations (\$750 Wenger Prizes):

FIRST HONOR (\$1250 WENGER PRIZE)

**HARI SAVITALA, ANTHONY
MC CREERY & ARTHUR VAN DER
HARTEN**
Rensselaer Polytechnic Institute
(Faculty Advisors: Paul Calamia and Ning Xiang)

COMMENDATIONS (\$750 WENGER PRIZES)

**MATTHEW BOYD & DANIEL
VALENTE**
Rensselaer Polytechnic Institute
(Faculty Advisors: Paul Calamia and Ning Xiang)

**CYNTHIA CARBONNEAU, YICK LAM
NICHOLAS CHAN & DAVID CLAVEY**
McGill University
(Faculty Advisor: Pierre Jampen)

**ANDREW MILLER & LAUREN
RONSSE**
University of Kansas
(Faculty Advisor: Robert Coffeen)

**ELIZABETH ANN OLSON & TYLER
WALDORF**
University of Kansas
(Faculty Advisor: Robert Coffeen)

**ZUHRE SÜ, GORDON RUBIN &
JARROD WHITTINGTON**
Rensselaer Polytechnic Institute
(Faculty Advisors: Paul Calamia and Ning Xiang)

2007 BENEFIT CONCERT SCHEDULED FOR MAY 17

The annual Newman Fund Benefit Concert will be held at the Newman residence in Lincoln, MA on Thursday evening, May 17, 2007. The concert will feature Emmy-award winner Jacqueline Schwab on piano, and Reinmar Seidler on cello, performing tunes and tales from Scotland and Shetlands.

Friends of the Fund from near and far are cordially invited. Further details and directions are posted on the ASA Greater Boston Chapter website (<http://www.gbcsa.org>).

2007 STUDENT DESIGN COMPETITION AT ASA SALT LAKE CITY IN JUNE

The 153rd ASA meeting in Salt Lake City, UT will host the seventh annual Student Design Competition. The design problem is described on the Newman Fund website (newmanfund.org), and in the program for the 153rd ASA 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.

BOB COFFEEN 2006 NSCA EDUCATOR OF THE YEAR

We are pleased to announce that long-time Newman Student Award Fund Advisor Professor Robert Coffeen of the University of Kansas was named 2006 National Systems Contractors Association (NSCA) Educator of the Year. This prestigious award was in recognition of his continuing efforts to improve the electronic systems industry through the generous provision of his teaching talents.

Bob's instructor and course evaluation ratings for seminars he taught at annual NSCA Expos were unanimously ranked of the highest order. Bob has established a broad record of support for NSCA education programs, as well as for teaching at the University of Kansas, where he offers five courses in architectural and electroacoustics, primarily to architectural and engineering students. Congratulations to Bob from the entire Newman Fund family.

ANDREW CARBALLEIRA BECOMES NEWSLETTER EDITOR

Past Newman Student Award Fund medalist Andrew Carballeira has taken on the responsibility for editing and composing the yearly Fund newsletter, beginning with the current issue.

The newsletter serves as the "annual report" to friends of the Fund throughout the world.

Mr. Carballeira works with Cavanaugh Tocci Associates, Inc. in Sudbury, MA as a Senior Consultant in Architectural Acoustics.

Suggestions and comments on the newsletter may be sent to acarballeira@cavtocchi.com.

ROBERT BRADFORD NEWMAN STUDENT AWARD FUND

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* Past Newman Medalists

SPONSORS: The Technical Committee on Architectural Acoustics (TCAA) of the Acoustical Society of America (ASA)

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