

ROBERT BRADFORD NEWMAN NEWSLETTER 02

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

FUND'S FIRST YEAR AT NEW HOME

On December 31st, 2002 the Newman Fund completed its first full year at the ASA Headquarters in Melville, NY. From the Fund's initiation in 1984 to December 2001, the Fund operated from the Newman residence in Lincoln, MA under the sponsorship of the Greater Boston Chapter of the Acoustical Society. That 17-year period saw the remarkable growth of the Fund during which 145 Newman Medals were awarded to students at some 35 universities throughout the world. In addition seven Schultz Grants were awarded to teachers and researchers in architectural acoustics education. In 2002, the Fund began sponsorship of awards to student winners of the Design Competitions that have been sponsored by ASA's Technical Committee on Architectural Acoustics since the mid-eighties. The Fund always contributed partial funding to the competitions but now the entire funding will be provided by the Fund through the generosity of the Wenger Corporation of Owatonna, MN. Henceforth, the Awards will be known as Harry Wenger Prizes in memory of the late founder of the Wenger Corporation, a leading supplier of equipment for music education and performance.

The Fund Advisory Committee is grateful to financial contributors, volunteers and all who helped make the transition to the Fund's new home a great success that it was. Our deepest appreciation.

Bill Cavanaugh, Carl Rosenberg and Mary Shaw Newman

NINE NEWMAN MEDALS AWARDED IN 2002

"During 2002, nine students were awarded Newman Medals. For the first time, one of the students was at the School of Architecture at North Dakota State University." These medallists, their schools and the subjects of their senior projects or theses are listed below:

ERICA EILEEN BOWDEN

University of Nebraska, Lincoln
"Acoustical Analysis of Witherspoon Concert Hall in the Joslyn Art Museum, Omaha, NE"

ANDREW NEAL COOPER

North Dakota State University, Fargo
"Performing Center for the Arts, Fargo, ND"

AMY COOPER

University of Nebraska, Lincoln
"Acoustical Design of a College Performance Hall for Opera"

HEATHER DALEY

Washington University, St. Louis
"Acoustical Considerations in Light Rail Design"

MEREDITH ELBAUM

Massachusetts Institute of Technology, Cambridge
"A Place for Acoustics in Sustainability"

YOUNG-MIA KWON

Rensselaer Polytechnic Institute, Troy, NY
"Under-Balcony Acoustics in Concert Halls: Vertical Energy Loss at the Listener and Acceptable View Angles Deduced From its Effects"

BENJAMIN MARKHAM

Princeton University, Princeton, NJ
"The Renovation of Sound: The Acoustic Analysis, Prediction and Optimization of Performance Space"

JASON J. RIDINGS

The University of Kansas, Lawrence, KS
"Two 'Real World' Projects: Acoustical Improvements for a Large Conference Room and an Open Plan Office Area"

ABIGAIL ESTHER STEFANIW

Rensselaer Polytechnic Institute, Troy, NY
"Ease of Hearing in Various Classroom Geometries," and "Hearing Comfort in Classrooms"

VISIT THE NEW WEB SITE

Through the expertise of Fund Advisory Committee Member, Lily Wang, we now have joined the internet age with our own web site: <http://www.newmanfund.org>

The initial material available on the web site includes basic information and forms for the Newman Medal and Schultz Grant Programs as well as forms for individuals wishing to participate in the Fund's activities, through the Newman Fund Professional Sponsorship Program. Eventually it is hoped to add information on past Newman Medallists, Schultz Grant recipients, Wenger Prize recipients, participating schools, and even past Newman Fund Annual Newsletters. Comments and suggestions toward future improvements of the web site are invited.

ANNUAL FUND BENEFIT CONCERT IN LINCOLN, MAY 21, 2002

The Greater Boston Chapter of the ASA will sponsor a performance of the noted pianist, Virginia Eskin, in concert at the residence of Mary Shaw Newman in Lincoln, MA on Wednesday evening, May 21st, 2003. The Chapter and the Fund will also host a reception honoring Richard Lyon, recent recipient of the Acoustical Society's Gold Medal, its highest and most prestigious award. Chapter members, friends of the Newman Fund and their guests are promised an enjoyable evening of music, conversation and celebration.

SPOTLIGHT... LILY WANG, FUND ADVISOR



In this and in future annual Newsletters individual members of the Newman Fund Advisory Committee will be featured to spotlight their enormous contributions to the success of the Fund's Award Programs. This year's spotlight is on Lily Wang, past Newman Medalist from Princeton University and 2000 Schultz Grant recipient. Lily used the grant funds to create an interactive and educational website on concert hall acoustics www.concerthalls.org which she presented at the December, 2002 ASA Meeting in Cancun, Mexico. Lily is also the creator of and webmaster for the Newman Fund's new website www.newmanfund.org described in this Newsletter.

Lily decided to pursue a career in acoustics at the age of 15 when she was introduced to the profession in a school textbook. She

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SPOTLIGHT LILY WANG

received a BS in Engineering and Certificate in Architecture from Princeton in 1993 and went on to Penn State's Graduate Program in Acoustics where she received a PhD concentrating in the study of radiation mechanisms from violins. In 1999, Lily was awarded the prestigious ASA's Hunt Postdoctoral Fellowship studying spatial impressions in concert halls with Dr. Anders Gade the Technical University of Denmark.

She returned the United States to teach architectural acoustics in the new Architectural Engineering Program at the University of Nebraska. She enjoys immensely her challenging and busy life: teaching acoustics to engineering and architectural students; doing research on classroom acoustics, coupled room phenomena, criteria for room noise and staying active in professional societies such as the ASA, ASHRAE, ACSA among others. Lily Wang's future in architectural acoustics is assured.

2002 ASA STUDENT DESIGN COMPETITION

The 2002 Student Design Competition sponsored by the Technical Committee on Architectural Acoustics (TCAA) of the Acoustical Society, supported by the National Council of Acoustical Consultants (NCAC) and the Newman Student Award Fund, was judged at the 143rd ASA Meeting in Pittsburgh in June 2002. The competition included ten posters from students at five universities and involved the schematic design of a small opera performance hall in a college performing arts center. A distinguished panel of acoustical consultants, teachers, a practicing architect and the retiring TCAA chair, awarded the following :

FIRST HONORS (\$1000 Wenger Prize)

William Chu and Dana Smith;

Rensselaer Polytechnic Institute,
Troy, NY

Faculty advisors:

Professors Jaffe, Shimizu and Torres

FOUR COMMENDATIONS

(\$500 Wenger Prizes)

Bridget Bednarczyk;

University of Florida, Gainesville, FL

Faculty advisor:

Professor Siebein

Phyllis Henderson;

University of Florida, Gainesville, FL

Faculty advisors:

Professor Siebein

Kevin Kane and Iraklis Lampropoulos;

Rensselaer Polytechnic Institute, Troy, NY

Faculty advisors:

Professors Jaffe, Shimizu and Torres

Rob Lee and Mike Oliva;

University of Kansas, Lawrence, KS

Faculty advisors:

Professor Coffeen

Photographs of the competition entries may be viewed at the Newman Fund website:

www.newmanfund.org/sdc2002.htm

The Fund congratulates the competitors, the judges, and, in particular, expresses its deep appreciation to the Wenger Corporation which has committed to providing the entire funding of the Student Design Competition starting with the 2002 Wenger Prizes and in the future.

ANNOUNCEMENT OF 2002 SCHULTZ GRANTEE

The deadline for applications has been extended to June 30, 2003. The award is expected to be made in late Summer-early Fall 2003.

2003 ASA STUDENT DESIGN COMPETITION RESULTS

The competition entries will be judged and Wenger Prizes awarded at the 145th ASA Meeting in Nashville, Tennessee from April 28 through May 2, 2003. Further information is available from Robert Coffeen, coffeen@ku.edu



Robert Bradford Newman Student Award Fund

Advisory Committee:

Mary Shaw Newman, Honorary Chair

William J. Cavanaugh, Co-Chair

Carl J. Rosenberg, Co-Chair

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Christopher H. Blair

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Timothy J. Foulkes

Ronald R. Freiheit

J. Christopher Jaffe

Gary W. Siebein

Lily M. Wang*

Ewart A. Wetherill

*Past Newman Medalists

Sponsor:

The Technical Committee on Architectural Acoustics of the Acoustical Society of America with the cooperation of:

The Association of Collegiate
Schools of Architecture

The Boston Architectural Center

Harvard University Graduate
School of Design

MIT School of Architecture and Planning

Rhode Island School of Design

National Council of Acoustical Consultants

The Acoustical Society of America:
Committee on Education in Acoustics,
Committee on Regional Chapters,
Greater Boston Chapter,
Technical Committee on Noise

Riverbank Acoustical Laboratories

Institute of Noise Control Engineering

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