

ACOUSTICAL NEWS—USA

Elaine Moran

Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502

Editor's Note: Readers of this journal are encouraged to submit news items on awards, appointments, and other activities about themselves or their colleagues. Deadline dates for news items and notices are 2 months prior to publication.

New Fellows of the Acoustical Society of America



Kenneth W. Grant—For contributions to auditory-visual speech processing.



James M. Kates—For contributions to signal processing for hearing aids.



Qing Liu—For contributions in computational elastodynamics and acoustics.

48th Dallas Morning News—Toyota Regional Science and Engineering Fair

More than 800 students from 86 North Texas schools competed in the 48th Dallas Morning News-Toyota Regional Science and Engineering Fair. This year one Senior and three Junior Division contestants won Outstanding Acoustics Project Awards.

Senior Division Winner Mr. Rick Yang, with the guidance of Ms. Rachel Carlson, Jasper HS, Plano ISD, reported sound waves at specifiable frequencies altered anaerobic respiration rates of yeast cultures. Although Mr. Yang offered no explanation, fermentation scientists expressed interest because the conditions under which rates increased did not arise from medium mixing or heating.

Mr. Martin Coffman, a student of Ms. Joyce Carson, Lowery Freshman Center, Allen ISD, received Senior Division Honorable Mention.

Junior Division Winners Ms. Alexa Hanks and Ms. Alianna Whiteaker-Chudecke with the guidance of Ms. Rachel Robb, St. Elizabeth of Hungary Catholic School, Dallas, used doves to affirm a central tenant of systematic biology: live and recorded dove calls elicited species-specific behavior; environmental sounds and calls of other song birds did not. Recorded hawk calls elicited behaviors common to doves and other song birds. Ms. Whiteaker-Chudecke and Ms. Hanks won Third Place in Junior Division Teams (see Fig.).

Junior Division Winner Ms. Jennifer Goebel, supervised by Ms. Deborah Johnston, Schimelpfenig Middle School, Plano ISD, demonstrated how

drinking common beverages changed the surfaces lining mouth and throat, and altered the acoustic properties of a singer's voice.

Ms. Bethany Carson, a student of Ms. Doni Cash, Ford Middle School, Allen ISD, received Junior Division Honorable Mention, and the American Psychological Society "Outstanding Research Study" Award as well.

Dr. Peter Assmann, Dr. Greg Hughes, Dr. Ben Seep, and Dr. Michael Daly represented the Society.



Report of the Auditor

Published herewith is a condensed version of our auditor's report for calendar year ended 31 December 2004.

Independent Auditors' Report

To the Executive Council
Acoustical Society of America

We have audited the accompanying statements of financial position of the Acoustical Society of America as of 31 December 2004 and 2003 and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the Society's management. Our responsibility is to express an opinion on the financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Acoustical Society of America as of 31 December 2004 and 2003 and the changes in its net assets and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

O'CONNOR DAVIES MUNNS & DOBBINS, LLP
Accountants and Consultants
April, 1, 2005
New York, NY

ACOUSTICAL SOCIETY OF AMERICA STATEMENTS OF FINANCIAL POSITION AS OF 31 DECEMBER 2004 AND 2003

	2004	2003
Assets		
Cash and cash equivalents.....	\$1,654,787	\$2,349,616
Accounts receivable.....	337,150	222,195
Marketable securities, at market.....	6,458,334	5,053,884
Furniture, fixtures, and equipment—net.....	44,792	55,089
Other assets.....	451,527	483,789
Total assets.....	<u>\$8,946,590</u>	<u>\$8,164,573</u>
Liabilities		
Accounts payable and accrued expenses.....	\$ 315,778	\$ 327,250
Deferred revenue.....	1,604,183	1,196,196
Total liabilities.....	<u>\$1,919,961</u>	<u>\$1,523,446</u>
Net assets		
Unrestricted.....	\$5,993,687	\$5,640,080
Temporarily restricted.....	666,043	634,148
Permanently restricted.....	366,899	366,899
Total net assets.....	<u>\$7,026,629</u>	<u>\$6,641,127</u>
Total liabilities and net assets.....	<u>\$8,946,590</u>	<u>\$8,164,573</u>

**ACOUSTICAL SOCIETY OF AMERICA
STATEMENTS OF ACTIVITIES
FOR THE YEARS ENDED 31 DECEMBER 2004 AND 2003**

	2004	2003
Changes in Unrestricted Net Assets		
Revenues:		
Dues.....	\$ 629,000	\$ 664,508
Publishing—JASA.....	2,156,994	2,132,642
Standards.....	303,051	304,778
Spring Meeting.....	414,755	186,353
Fall Meeting.....	223,959	196,830
Other member services revenue.....	12,715	17,488
Other.....	101,708	102,190
Net assets released from restrictions.....	69,970	68,348
	<u>\$3,912,152</u>	<u>\$3,673,137</u>
Expenses:		
Publishing.....	\$1,531,446	\$1,566,927
Standards.....	411,942	423,467
Spring Meeting.....	467,159	236,943
Fall Meeting.....	227,258	201,540
Member Services.....	246,391	225,964
Other.....	648,521	471,991
Administration.....	484,939	430,978
	<u>\$4,017,656</u>	<u>\$3,557,810</u>
Net (loss) income from operations.....	(\$ 105,504)	\$ 115,327
Non-operating activities:		
Interest and dividends.....	\$ 124,903	\$ 120,426
Realized gain (loss) on investments.....	69,697	(569,494)
Unrealized gain on investments.....	264,511	1,385,192
	<u>\$ 459,111</u>	<u>\$ 936,124</u>
Increase in unrestricted net assets.....	\$ 353,607	\$ 1,051,451
Changes in Temporarily Restricted Net Assets		
Contributions.....	\$ 21,855	\$ 23,341
Interest and dividends.....	20,708	22,768
Realized gain (loss)	12,368	(107,668)
Unrealized gain	46,934	261,885
Net assets released from restrictions.....	(69,970)	(68,348)
Increase in temporarily restricted net assets.....	\$ 31,895	\$ 131,978
Changes in Permanently Restricted Net Assets		
Contributions.....	\$ —	\$ 1,880
Increase in permanently restricted net assets.....	\$ —	\$ 1,880
Increase in net assets.....	\$ 385,502	\$1,185,309
Net assets at beginning of year.....	6,641,127	5,455,818
Net assets at end of year.....	<u>\$7,026,629</u>	<u>\$6,641,127</u>

Annual Reports of the Technical Committees

Acoustical Oceanography

Fall 2004 Meeting (San Diego): Acoustical Oceanography (AO) sponsored a special session entitled "Acoustic Characterization of the Benthic Habitat," which was organized by Kenneth Foote (Woods Hole Oceanographic Institution). In addition AO co-sponsored a session with Underwater Acoustics (UW) entitled "Acoustic sensing of internal waves," which was organized by Jim Lynch (Woods Hole Oceanographic Institution) and featured a special lecture by Boris Katsnelson (Voronezh University, Russia). The Best Student Paper Awards in Acoustical Oceanography went to Eric Giddens (Scripps Institution of Oceanography), who won first place for his paper "Geoacoustic inversions in shallow water using Doppler shifted modes from a moving source," and Erica Summers-Morris (CSU Monterey Bay), who won second place for her paper "Geographical information systems (GIS) analysis of high-resolution multibeam bathymetry and remotely operated vehicle data to model rockfish habitat preference." Peter Worcester (Scripps Institution of Oceanography) and Peter Gerstoft (Marine Physical Laboratory) represented AO at the Technical Program Organizing Meeting.

Spring 2005 Meeting (Vancouver): The 2005 Medwin Prize in Acoustical Oceanography was awarded to Svein Vagle of the Institute of Ocean Sciences in Sidney, BC, "for development of acoustical techniques for probing the upper ocean boundary layer." He presented the Acoustical Oceanography Prize Lecture entitled "Acoustic explorations of the upper ocean boundary layer." AO sponsored two special sessions. Bruce Howe (Applied Physics Laboratory, University of Washington) organized a session jointly with UW and Animal Bioacoustics (AB) entitled "Acoustics and Ocean Observatories." Kenneth Foote (Woods Hole Oceanographic Institution) organized a session jointly with UW entitled "Riverine Acoustics." Srinivasan Jagannathan (Massachusetts Institute of Technology) won first place in the competition for the Best Student Paper Award in Acoustical Oceanography for his paper entitled "Could animals detect the approaching tsunami?" Ben Biffard (University of Victoria) was awarded second place for his paper entitled "Single beam echo sounding: considerations of depth and sea bed slope." Mike Wolfson (Applied Physics Laboratory, University of Washington) represented AO at the Technical Program Organizing Meeting.

Information on these and related matters is available on the Acoustical Oceanography Technical Committee web site, for which we are indebted to Gopu Potty and James Miller (University of Rhode Island). It can be reached through the ASA web page by clicking on "Committees." Please e-mail any material for or comments on the web site directly to potty@oce.uri.edu or miller@oce.uri.edu.

This report is my first as Chair of the AO Technical Committee. I want to close by thanking all of the volunteers who have made the activities of the AO Technical Committee possible during this past year.

N. ROSS CHAPMAN

Chair

Animal Bioacoustics

Members of the Animal Bioacoustics Technical Committee (ABTC) continue to play an active role in the affairs of the Society and were well represented at both the San Diego (Fall 2004) and Vancouver (Spring 2005) meetings.

AB sponsored two named sessions at the San Diego meeting. One, on "Marine Mammal Acoustics," was held in honor of Ron Schusterman. It was chaired by Whit Au, Colleen Reichmuth Kastak, and Patrick Moore. A second session, on "Acoustic Monitoring of Large Whales—The Legacy of Paul Thompson," was held in memory of Paul Thompson. This session was chaired by John Hildebrand and Sue Moore. Andrea Simmons presented a lecture on "Hot topics in animal bioacoustics" at the interdisciplinary Hot Topics session. In addition, many AB members attended the tutorial lecture on "Ocean noise and marine mammals" presented by Gerald D'Spain and Douglas Wartzok. The ABTC meeting attracted over 50 attendees; discussion centered around public policy and standards issues.

We congratulate ABTC member D. Vance Holliday on his receipt of the Silver Medal in Acoustical Oceanography.

The recipients of the Best Student Paper Award were Mandy L. H. Cook, from the University of South Florida College of Marine Science, for her paper "Auditory brainstem response hearing measurements in free-ranging bottlenose dolphins (*Tursiops truncatus*)," and Jennifer Miksis-

Olds, from the University of Rhode Island Graduate School of Oceanography, for her paper "Differential response by manatees to playbacks of sounds simulating approaching vessels."

ABTC sponsored three special sessions at the Vancouver meeting. Mardi Hastings organized and chaired a session on "Methodology for Measurements of Auditory Evoked Potentials in Aquatic Animals." Bill Burgess and Susanna Blackwell chaired sessions on "Tools for Animal Bioacoustics: New Designs and Directions." Ann Bowles and Ed Walsh organized a session and panel discussion on "Behavioral Audiometric Methods in Animal Bioacoustics: The Search for Standards," which was co-sponsored with the Committee on Standards. This is the first of a series of special sessions related to standards issues, which AB will continue to sponsor for future meetings. AB co-sponsored two other sessions, one with Psychological and Physiological Acoustics, and the other with Acoustical Oceanography and Underwater Acoustics. All of these sessions were heavily attended. Standards issues continued to dominate discussions at the ABTC meeting, which was attended by over 50 people.

Randy J. Hill, from the University of South Florida College of Marine Science, won the Best Student Paper Award for his paper, "Ground-truthing evoked potential measurements against behavioral conditioning in the goldfish, *Carassius auratus*."

Peter Narins and Andrea Simmons are currently organizing the Second International Workshop on Acoustic Communication, to be held at UCLA in the summer of 2007. This will follow up on the highly successful First Workshop, held at the University of Maryland in 2003.

New members of ABTC, whose terms began at the Vancouver meeting and extend to 2008, are Kelly Benoit-Bird, Tecumseh Fitch, Dorian Houser, Lee Miller, Larry Pater, Hiroshi Riquimaroux, Peter Scheifele, and Edward Walsh. Thanks to outgoing members Bill Burgess, Jim Finneran, Adam Frankel, Darlene Ketten, Tom Norris, and Peter Tyack for their service.

The ABTC could not function without the dedication and energy of our members. Mardi Hastings is a member of the Executive Council. Ann Bowles is the AB representative to the Committee on Standards. Charles Greene serves on the Medals and Awards Committee, and Darlene Ketten serves on the Membership Committee. Dave Mellinger is our webmaster. Marla Holt is the AB representative to the Student Council. Ann Bowles and Kate Stafford served as the TPOM representatives for the San Diego and Vancouver meetings, respectively. AB members, including Ann Bowles, Sheryl Coombs, Richard Fay, Mardi Hastings, Art Popper, Aaron Thode, and Ed Walsh, remain active in public policy and Standards issues. Activities include efforts to draft a policy statement on potential consequences of anthropogenic ocean noise on marine animals, and organizing a series of peer-reviewed papers on standards for acoustic measurements.

AB continues to grow in membership, with 665 ASA members now indicating AB as their primary, secondary, or tertiary interest. We encourage all members of ASA to visit our web site: <http://cet.uspmel.noaa.gov/bioacoustics.html>.

ANDREA SIMMONS

Chair

Architectural Acoustics

The Technical Committee on Architectural Acoustics has had a busy and exciting year. At the Fall 2004 meeting in San Diego, TCAA sponsored a special Topical Meeting, organized by Ning Xiang and Rendell Torres, on "Spatial and Binaural Evaluation of Acoustics in Performing Art Spaces," which spanned two half-day sessions. Other TCAA special sessions and their organizers included "Integration of Synthesis Techniques and 'Acoustical' Music" (K. Anthony Hoover), "Coupled Volume Systems: Design Processes and Implications" (David T. Bradley, Ralph Muehleisen), "Implementation of Classroom Acoustics" (Michael Stinson, Lily Wang), and "Speech in Architectural Spaces—Both Intelligibility and Privacy" (Ken Roy, Peter Mapp). Robin Glosemeyer served as TCAA representative to the Technical Program Organizing Meeting for this conference.

At the Spring 2005 meeting in Vancouver, TCAA sponsored a special Topical Meeting, organized by Murray Hodgson and Lily Wang, on "Classroom Acoustics: The Research Perspective," which included three half-day sessions and an evening public forum. Other TCAA special sessions and their organizers included "Architectural Acoustics and the Green Building Movement" (Ralph Muehleisen, Murray Hodgson), "Possibilities and Problems with Auralizations of Classroom Acoustics" (Bob Coffeen), "Preserv-

ing Acoustical Integrity in the Course of Renovation” (Dan Raichel), and “Soundscapes from an Architectural Viewpoint” (Brigitte Schulte-Fortkamp). Kerrie Standlee and Lily Wang served as TCAA representatives to the Technical Program Organizing Meeting for this conference. A special thanks to Murray Hodgson who served as General Chair for this excellent joint meeting with the Canadian Acoustical Association.

TCAA has several active subcommittees who made reports this past year. The Newman Student Award Fund continues to be active, providing awards to students who excel in their study of architectural acoustics and supporting educators who develop new educational materials through the Schultz Grant; more information may be found on their website at www.newmanfund.org. Another excellent Student Design Competition was organized for the Vancouver meeting by Bob Coffeen, Byron Harrison, and Norm Philipp, with first honors going to Lauren Ronse and Andy Miller from the University of Kansas. Bill Dohn is leading the planning of the 3rd Concert Hall Research Group Summer School to be held in Aspen, Colorado in August 2006. The Acoustics Product Safety Working Group, chaired by Nancy Timmerman, is organizing a special session on product safety for the upcoming ASA conference in Minneapolis.

A new joint subcommittee with the Technical Committee on Noise concerning Speech Privacy was initiated at the San Diego meeting, chaired by Greg Tocci, and has been actively meeting throughout the year. Another new initiative approved in San Diego is to offer a TCAA Student Paper Award at each conference, along the same lines as many of the other ASA Technical Committees. The first awards will be given to students who present at the Fall 2005 meeting in Minneapolis. Interest in forming another new subcommittee focused on integrating Acoustics in Green Building Design was expressed at the Vancouver meeting; Ralph Muehleisen is leading those efforts.

Greg Miller and Robin Glosemeyer are finalizing the publication “Another Two Decades of Drama Theaters,” based on posters submitted at the Spring 2004 meeting in New York City. Work has begun on the next such project: “Another Two Decades of Worship Spaces,” organized by Adam Foxwell and Rosemary Su, with a poster session scheduled for the Spring 2006 meeting in Providence, Rhode Island.

Classroom Acoustics continues to be an important topic that TCAA members are strongly advocating. Special sessions on this topic were held at both San Diego and Vancouver, and a unique brainstorming session at the San Diego meeting focused on how to continue with Classroom Acoustics outreach. The TCAA is very grateful to David Lubman and Lou Sutherland for their ongoing efforts in this regard.

Congratulations to TCAA members who became ASA Fellows or were award recipients this year. New Fellows include Bennett Brooks, Klaus Genuit, Murray Hodgson, K. Anthony Hoover, and Volker Mellert. Lily Wang received the 2005 R. Bruce Lindsay Award at the Vancouver meeting.

Many thanks to the following individuals for their efforts this past year in ASA on behalf of TCAA. Red Wetherill is our representative on the Medals and Awards Committee. Greg Tocci serves on the Membership Committee, and George Winzer is TCAA representative to the ASA Committee on Standards. David T. Bradley from the University of Nebraska is our Student Council representative. The Associate Editors in Architectural Acoustics are Mendel Kleiner and Ning Xiang for *JASA* and J. D. Quirt for *ARLO*. Steven Brown is a member on the Executive Council. And last, a special thanks to Tony Hoover for his outstanding service as TCAA Chair for the previous three years.

LILY M. WANG

Chair

Biomedical Ultrasound/Bioresponse to Vibration

At the San Diego meeting the Biomedical Ultrasound/Bioresponse to Vibration Technical Committee (BU/BV) held its annual topical meeting. The one-day full meeting was organized by Kendall Waters and Brent Hoffmeister and the topic was Ultrasound Characterization of Cancellous and Cortical Bone. The topical meeting brought experts from around the world and the talks covered the gamut from historical perspective through the state-of-the-art and looking forward to the challenges in the future. It was concluded with an enthusiastic discussion on the barriers and potential of ultrasound in characterizing bone. Also at the San Diego meeting there was a special session organized by Ronald Roy and Todd Murray on the

combined use of Light and Sound for Imaging in the Body. We had two further sessions of contributed talks. Our TPOM representative was Franco Curra.

Two BU/BV members were honored at the San Diego meeting. James Miller was awarded the Silver Medal of the ASA and he was introduced by Matthew O'Donnell. David Blackstock was the first ever recipient of the Student Council Mentor Award. At the Technical Committee meeting on Thursday we held an election for a new chair of BU/BV and Michael Bailey from the University of Washington, Seattle was duly elected.

At the spring meeting in Vancouver BU/BV had a very strong showing with sessions all day, every day. Thanks go to the special sessions organizers: Mike Bailey and Reiner Schulteiss—Tissue response to shock waves (unfortunately Reiner could not attend due to a herniated disc); Tom Royston—Audible-frequency medical diagnostic methods, including multi-mode techniques; Pierre Mourad and Carr Everbach—Therapeutic ultrasound for the brain; and Pierre Mourad and Mike Averkiou—Gene therapy and molecular imaging. In addition BU/BV had a major impact on the Celebration session for Wesley Nyborg (Uncle Wes) that had been organized by Lawrence Crum and Junru Wu. Our TPOM representative was Michael Bailey. There were 53 people in attendance at the technical committee meeting on Thursday evening.

At the spring meeting BU/BV holds a student paper competition and in Vancouver there were 16 entries. The first prize went to Adam Maxwell from University of Washington and the second prize to Parag Chitnis from Boston University. I would also like to recognize two other students with honorable mentions: Wayne Kreider from University of Washington and Heather Argadine from the Mayo Clinic. Thanks to all the judges for their sterling service to the TC.

At the Minneapolis meeting BU/BV will be hosting a Topical Meeting on Detecting HIFU Lesions which is being organized by Emad Ebbini. We will have two special sessions: Medical Applications of Time Reversal Acoustics by Armen Sarvazyan and Acoustic Radiation Force Methods for Medical Imaging and Tissue Evaluation by Mostafa Fatemi.

My term as BU/BV chair comes to an end with this report and it is my pleasure to introduce the new chair Michael Bailey. I would like to take this opportunity to thank all the people who have helped me with the activities of BU/BV over the past three years. The continued vibrancy of the technical committee is due to the enthusiasm of members who volunteer their service to BU/BV. It has been my privilege to work with you all.

ROBIN CLEVELAND

Chair 2002–2005

Engineering Acoustics

The Engineering Acoustics Technical Committee (EATC) met at each of the two meetings of the Society, San Diego in the Fall and Vancouver in the Spring.

In San Diego, the EATC sponsored two special sessions and one session of contributed papers. The special sessions and their organizers were MEMS Microphones: Fabrication, Calibration, and Application to High Density Arrays—Allan J. Zuckerwar and Qamar A. Shams and Hearing Aids—Gary W. Elko and James G. Ryan. In addition, EATC co-sponsored several other sessions with the various technical committees. The Committee offers many thanks to Steven R. Baker, who served as the representative to the San Diego TPOM. The EATC met in San Diego on the evening of Tuesday November 16.

In Vancouver, the EATC sponsored one special session and two sessions of contributed papers. The special session topic and organizers were Underwater Acoustic Sensor Technologies—Thomas R. Howarth and Dehua Huang. The Committee offers many thanks to Stephen C. Thompson who served as EATC representative to the Vancouver TPOM. The EATC met in Vancouver on the evening of Thursday May 17.

The recipients of the Best Student Paper awards for Engineering Acoustics were, for San Diego, Stefan A. L. Stijlen, “Ultrasonic nondestructive inspection of interface defects in anisotropic fiber-metal-laminates,” (4aEA7), and, for Vancouver, Andrew P. Medley, “Radiated fields of thin and flexible high frequency loudspeakers,” (1pEAa5).

The Chair of EATC would like to thank all of the people who have worked to make the activities of EATC successful for this year and to invite all interested parties to attend EATC meetings to be held at future meetings

of the Society.
KIM C. BENJAMIN
Chair

Musical Acoustics

2004–2005 was another eventful year for the Technical Committee on Musical Acoustics. In addition to organizing special sessions, members of our technical committee were also responsible for some special events at the two ASA meetings and organized a workshop for instrument builders in conjunction with the Vancouver meeting.

There were some excellent special technical sessions in musical acoustics at the San Diego meeting in November 2004. These included a session on pipe organ acoustics organized by Tom Rossing, a session of invited talks and poster presentations on Computer Music organized by Julius Smith, “Musical Instruments of the Asia-Pacific Region,” organized by Jim Cottingham, and “Synthesis Techniques with Acoustical Music,” co-sponsored by Musical Acoustics and organized by Tony Hoover and Dick Campbell of Architectural Acoustics (AA). In addition to these, our technical committee was one of the many co-sponsors of the Robert Young memorial session. Following the session on Asian instruments, Christopher Adler of the University of San Diego presented a concert on the *khaen*, the free-reed mouth organ of Laos and Northeast Thailand. The performance also included demonstrations of two single-pipe free reed instruments and a duet in which Christopher Adler was joined by Supeena Insee Adler playing the three-string Thai zither *jakay*. About 150 people attended the concert. A tour and demonstration of two significant pipe organs were arranged in which a busload of participants visited the 73 rank Spreckels outdoor pipe organ in Balboa Park and the 107 rank pipe organ in the First Methodist Church. Our tour guide was Lyle Blackinton, curator of the Spreckels organ and builder of the organ in the Methodist church.

The Vancouver meeting included four special sessions in musical acoustics, two of which were co-sponsored by other technical committees. Courtney Burroughs and Tom Rossing organized “Vibration of and Radiation from Musical Instruments” (joint with Structural Acoustics). Jonas Brasch and William Martens co-chaired a joint session, “Low Frequency Content in Music” (joint with AA and Psychological and Physiological Acoustics). A session on virtual musical instruments was organized by Julius Smith and Tamara Smyth, and “String Instrument Design and Construction” was organized by Tom Rossing and Chris Waltham. Special technical initiative funding was used to support a workshop on acoustics for instrument builders, which was held following the Friday morning session on string instruments. The workshop, organized by Tom Rossing and Chris Waltham, had Friday afternoon and Saturday morning sessions. Many of the invited speakers from the Friday morning special session served as workshop leaders.

In addition to our ongoing efforts to promote student involvement in musical acoustics through the student paper competition, representatives from Musical Acoustics continued to play an active role in the ASA Student Council. Andrew Morrison of Northern Illinois University completed his term on the Student Council at the Vancouver meeting. Brian Monson of Brigham Young University has been appointed as our new Student Council representative. There were 11 entries in the student paper competition in San Diego and 13 in Vancouver. The winner of the First Prize award at San Diego was Rolf Bader of the Musikwissenschaftliches Institut, Hamburg, Germany, who presented “Multiphonic model of split pressure-phase modes using the finite-element method.” Second Prize went to Yumiko Sakamoto of Kyushu University for “On the acoustical design of the ears of flue organ pipes.” First Prize at Vancouver was awarded to Patricio de la Cuarda from CCRMA, Stanford University, for “A physical model and experimental test-bed for real-time simulation of flute-like instruments.” The Second Prize winner was Niels Werner Larsen of Oersted DTU, Technical University of Denmark, who presented “A variable passive low-frequency absorber.”

Jim Cottingham served as the representative to the Technical Program Organizing Meetings for San Diego and Vancouver, assisted by Chris Waltham at Vancouver. Representation from Musical Acoustics on ASA committees during the year included Uwe Hansen on the Membership Committee and Ian Lindevald on the Committee on Standards. Jim Beauchamp generously served an additional year on the Medals and Awards Committee after the expiration of his term in the spring of 2004. We expect his successor to be named soon. Diana Deutsch, who will work mainly with papers in

the area of music perception, has been appointed as a second JASA Associate Editor for Musical Acoustics. She joins Neville Fletcher who will continue to serve as Associate Editor.

The Vancouver meeting was a time of transition, as Jim Cottingham ended his two terms of service as Technical Committee Chair. Jim Beauchamp has been elected as the new Technical Committee Chair, to serve until 2008. Members appointed or reappointed this year to serve on the Technical Committee for terms expiring in 2008 include James W. Beauchamp (Chair), George A. Bissinger, Annabel J. Cohen, James P. Cottingham, Diana Deutsch, Uwe J. Hansen, Roger J. Hanson, Peter L. Hoekje, James H. Irwin, Ian M. Lindevald, Stephen E. McAdams, Gary P. Scavone, and Chris Waltham.

JAMES P. COTTINGHAM
Chair (1999–2005)

Noise

At the Fall 2004 meeting of the ASA in San Diego, the Technical Committee on Noise organized or co-organized several interesting and diverse special sessions. These were “Special Session to Honor the Contributions of Robert W. Young to Acoustics” (organized by Alan Marsh), “Propulsion/Airframe Aeroacoustics” (Joe Posey), “Implementation of Classroom Acoustics” (John Erdreich, David Lubman and Louis Sutherland), “Active Noise Reduction for Hearing Protection: Technology Opportunities and Assessment of Effectiveness” (William Murphy), and “Soundscapes and Sound Quality” (Brigitte Schulte-Fortkamp and Patricia Davies). Our appreciation goes to Alan Marsh for serving as the Noise representative at the Technical Program Organizing Meeting.

The Spring 2005 Vancouver meeting was also host to an interesting array of special sessions organized or co-organized by Noise. These sessions were “Topical Meeting on Classroom Acoustics—The Research Perspective” (three half-days of technical presentations plus a public forum, organized by Murray Hodgson and Lily Wang), “Urban Noise Propagation” (Jian Kang, Ning Xiang, and Keith Wilson), “Progress in Managing Occupational Noise” (Hugh Davies and Murray Hodgson), “Preserving Acoustical Integrity in the Course of Renovation” (Dan Raichel), “Noise Control Feasibility: Technical, Legal and Economic Issues” (John Seiler and Angelo Campanella), “Characterization of Acoustical Materials” (Brandon Tinianov), and “Workshop on Methods for Community Noise and Annoyance Evaluation” (Brigitte Schulte-Fortkamp and Bennett Brooks). Jerry Lilly was the Noise representative at the Technical Program Organizing Meeting.

Classroom acoustics continues to be a major focus of the Noise Committee. The efforts of Lou Sutherland, David Lubman, Murray Hodgson, and others to promote good acoustics for classrooms are appreciated. A new subcommittee, joint between Noise and Architectural Acoustics and chaired by Greg Tocci, has been formed to address speech privacy in health care buildings.

The contributions of several Noise people were recognized at these two meetings. At the San Diego meeting, we had two winners of the Noise Young Presenter award, Beatriz Pinto for her talk “S-shaped glass also stands for soundless. Sound insulation measurements and implication for building practice” and Cesare Hall for his talk “Engine configurations for the Silent Aircraft.” In Vancouver, the Noise Young Presenter award went to Connor Duke for his talk “Multi-channel active noise control on an axial fan using variable loads.” New Fellows of the Society include Klaus Genuit, Tony Hoover, Bennett Brooks, and Murray Hodgson. Lily Wang was presented with the 2005 R. Bruce Lindsay Award. The winner of the 2005 Helmholtz-Rayleigh Interdisciplinary Silver Medal, in Noise and Physical Acoustics, is Gilles Daigle “for contributions to understanding the micrometeorology, topography, and ground properties on outdoor sound propagation.”

Finally, the efforts of several volunteers should be recognized. Nancy Timmerman is the Noise representative on the Medals and Awards Committee, John Erdreich is our representative on the Membership Committee, and Richard Peppin is our representative on the ASA Committee on Standards. Our Student Council representative was Brian Anderson until the end of the San Diego meeting. Connor Duke is our new representative to Student Council and, following the practice initiated a few meetings ago, the secretary for the TC-Noise meetings. The Noise web page (<http://www.nonoise.org/quietnet/tcn/>) is maintained by Les Blomberg. Ken Cune-fare completed his stint as coordinator for the Noise Young Presenter

Awards at the San Diego meeting. Ralph Muehleisen has taken over this role and he handled the coordination for the Vancouver meeting. Serving as an Associate Editor for *ARLO* is Mike Stinson and as *JASA* Associate Editors are Ken Cunefare, Keith Wilson, and Allan Zuckerwar.

MICHAEL R. STINSON

Chair

Physical Acoustics

It is my distinct pleasure to reflect on the past year's activities in Physical Acoustics. We have been redefining ourselves over the past few years. The "hot" fields of sonoluminescence and thermoacoustics have taken a back seat as funding levels have decreased (new discoveries may yet help stimulate more funding). New areas are also emerging (examples include monitoring the Earth, condensed matter, medical acoustics, and Homeland Security research). This is reflected in recent and upcoming special sessions: e.g., Infrasound, Sounds Speeds in Condensed Matter, Shock Wave Therapy, and Applications of Acoustic Radiation Pressure.

After the huge New York meeting, it would have been reasonable to have a small Physical Acoustics turnout at the Fall San Diego meeting, but that was not the case. We had sessions Monday through Thursday. Both special sessions had standing-room only crowds. The session on Sonoluminescence, Sonochemistry, and Sonofusion was exhilarating. Invited speakers came from all over the world, and from academia and industry, to share their most recent discoveries. It is worth noting that from the beginning, when single-bubble sonoluminescence was discovered (pre-1990), the leaders in this important field have had their roots in Physical Acoustics and the ASA. The special session on Applications of Acoustic Radiation Pressure was also standing room only. This session covered a wide range of topics, from basic physics to applications. We wish to thank the organizers for these sessions, Tom Matula and Greg Kaduchak. In addition to the special sessions, there was sufficient interest in the San Diego meeting (perhaps the weather had some role!) to generate several contributed sessions, including Sound Propagation in Ground, and in the Atmosphere, Materials Characterization, and Time Reversal.

The Spring meeting was held in Vancouver, BC. The meeting was larger than expected, and Physical Acoustics sessions ran all week, with some unavoidable concurrent sessions. A major special session was organized on Infrasound: A New Frontier in Monitoring the Earth, organized by Michael Hedlin. It is this author's impression that significant gaps remain between data gathering/reduction/analysis and predictive capabilities. This rapidly growing field is in dire need of Physical Acousticians (graduate students take note!). During the open TC meeting, Hank Bass even suggested that funding for this area may be increasing. This is good news for a TC that has taken some hits with decreased funding levels from the Office of Naval Research (ONR) over the past several years.

We also had special sessions in Scattering from Noncanonical Objects, organized by Steve Kargl; Stochastic Scattering of Elastic and Seismic Waves, organized by Richard Weaver, and another in the line of Physical Acoustics Living Legends sessions, organized by Larry Crum for Wes Nyborg. This session was co-run with Biomedical Ultrasound/Bioresponse to Vibration (B&B), as Wes's contributions significantly influenced the growth of B&B. There has been a lot of positive feedback on continuing these topical Living Legend sessions. Physical Acoustics also shared the stage during the "Hot Topics" session. Thanks to Albert Migliori for taking on the job of presenting our hot topics.

Physical Acoustics takes special pride in acknowledging our most recent award recipients: David Blackstock received the inaugural Student Council Mentoring Award in San Diego. David is continuously promoting and advancing student participation in science and the ASA. The Helmholtz-Rayleigh Interdisciplinary Silver Medal in Noise and Physical Acoustics went to Gilles Daigle. Gilles received the award at the Vancouver meeting. The Rossing Prize in Acoustics Education went to Allan Pierce at the San Diego meeting. Allan's recognition did not stop there; he was awarded the Gold Medal in Vancouver. Congratulations to all our award recipients. A job well done!

I would like to take this opportunity to advertise for the Physical Acoustics Summer School (PASS), held every two years. The next school will be held in June of 2006. This highly successful school takes students on a week-long intellectual journey through many areas touched by physical

acoustics. Although funding for the school from ONR is gone, the National Center for Physical Acoustics and Penn State are trying to bridge the gap until new funding can be obtained.

I want to also take the time to acknowledge members of Physical Acoustics who volunteer their services on various committees: Robert "Bonzo" Keolian serves on the Medals and Awards committee; Steve Garrett serves on the Membership Committee; Phil Marston serves on the Books committee, and Sameer Madanshetty serves on ASACOS. Associate editors also deserve accolades; their hard work helps keep *JASA* the premier journal for physical acoustics publications. It is also a pleasure to acknowledge Physical Acoustics members who are active in leadership roles in the ASA. Mark Hamilton is now past vice president of the ASA, the editor-in-chief is Allan Pierce, and Anthony Atchley was just elected President! Congratulations Anthony!

Finally, I wish to humbly thank the Physical Acoustics community for entrusting me to serve as Chair over the past three years. It has been a privilege and honor to serve you. I especially would like to thank the more experienced members for their advice and encouragement over the years. Now, I pass the crown to our new Chair, Murray Korman. Have a great time, Murray; I did!

THOMAS J. MATULA

Chair 2002–2005

Psychological and Physiological Acoustics

Reflecting Psychological and Physiological Acoustics' (P&P) strategy of emphasizing participation at ASA's spring meetings, the 148th Meeting of the Acoustical Society of America, the fall meeting in San Diego, was sparsely attended by the members of P&P. Nonetheless, P&P co-sponsored two special sessions: "Implementation of Classroom Acoustics I and II." In keeping with P&P policy, we will not be a primary sponsor of special sessions at the Minneapolis meeting in the fall, and P&P has asked that calls for papers provided by ASA include a brief explanation of our policy of deemphasizing the fall meetings.

In stark contrast, the spring meeting in Vancouver was buzzing with activity. There were eight sessions sponsored by P&P, one of which was co-sponsored by Speech Communication and one of which was co-sponsored by Animal Bioacoustics. Of the eight sessions, three were special sessions including one named session. We extend our thanks to the organizers of the special sessions: Bertram Scharf and Rhona P. Hellman (Psychoacoustics: In Memory of Søren Buus), Roy D. Patterson and Toshio Irino (Size Information in Speech and Animal Calls), and Lawrence L. Feth and Robert A. Fox (Current Issues in Auditory Spectral Integration). P&P also contributed as co-sponsor of six additional special sessions. Neal Viemeister accomplished the challenge of organizing the P&P sessions for the Vancouver meeting, a task for which we are most appreciative.

The P&P open meeting included an update of the Student Council report by the outgoing student representative, Joshua Bernstein. The P&P Associate Editors provided overview of their efforts, and urged the members of ASA to provide reviews well before the Peer X Press system generates an "overdue notice." The goal is to provide reviews within four weeks of receiving the submitted manuscript. We thank the P&P Associate Editors, Brenda L. Lonsbury-Martin, William P. Shofner, John H. Grose, Gerald D. Kidd, Armin Kohlrausch, Robert A. Lutfi, and Andrew J. Oxenham, for their efforts on our behalf. Finally, there was discussion concerning the need to continue to provide nominations of Fellows to the Acoustical Society of America. We express our thanks to John Culling for organizing the ballot for election to the Technical Committee, and thanks to members of the P&P community who so willingly added their names to the ballot.

The P&P Technical Initiatives continue unchanged. The initiatives include travel support for invited speakers, student receptions, and homepage maintenance. Suggestions for uses of funds, including innovations such as workshops, satellite meetings, etc., are welcome (estrick@purdue.edu).

VIRGINIA M. RICHARDS

Chair, 2002–2005

Speech Communication

The Speech Technical Committee (STC) supports the activities, meetings, publications, etc. for the largest technical area in the Society. The current members of the Committee are Jean Andruski, Patrice Beddor,

Lynne Bernstein, Catherine T. Best, Ocke-Schwen Bohn, Suzanne E. Boyce, Ann Bradlow, Dani Byrd, Roger Chan, Melissa Epstein, Robert Fox, Alexander Francis, Bruce Gerratt, Kenneth Grant, Helen Hanson, James Hillenbrand, Diane Kewley-Port, Jody E. Kreiman, Anders Lofqvist, Andrew Lotto, Benjamin Munson, Terrence Nearey, Peggy Nelson, Douglas O'Shaughnessy, Dwayne Paschall, Joseph Perkell, Astrid Schmidt-Nielsen, Brad Story, and Gary G. Weismer. Other *ex officio* members include Abeer Alwan, Shrikanth Narayanan, and Fredericka Bell-Berti, our representatives to the Membership Committee, ASACOS, and Medals and Awards, respectively; Jennell Vick is the Student Council representative. The continuing Associate Editors for speech are Alexander Francis, Kenneth Grant, Anders Lofqvist, and Douglas O'Shaughnessy; two newly appointed associate editors are Brad Story and Joan Sussman.

We are grateful for the help of our members this year: (1) Dani Byrd, Rob Fox, and Diane Kewley-Port, who revised the PACS numbers for the speech section. The revisions will take place in September 2005. (2) Our paper sorters, who arrange the technical programs: Jody Kreiman and Dani Byrd in San Diego and Terry Nearey and Richard Wright in Vancouver. Special thanks to Bryan Gick who served on the Vancouver local organizing committee. (3) Coordinators for student judging: Alex Francis, Ameer Shah, and Ben Munson. We also are very happy to welcome three new fellows to the ASA from the speech communication TC: Catherine Best, Patricia Keating, and Robert Remez.

Student Activities

The Committee sponsored two student activities at each meeting, a competition with a cash award for best student presentation and an evening reception. The evening reception, which is joint with other technical committees, is intended to allow students to meet more senior ASA members informally. The reception was well attended. The student papers were judged by STC members and the winners were awarded \$300 for first prize and \$200 for second prize. In San Diego the first and second place winners were Jason Tourville of Boston University and Jerry Liu of the University of Southern California.

Special Sessions, Special Talks, and Workshops

Speech Communication has sponsored many interesting special sessions during the past year. In San Diego Sorin Dusin and Lawrence Rabiner organized a special session "Fifty years of progress in speech communication: Honoring the contributions of James L. Flanagan." In addition a session on "Foreign-accented speech: Production, perception and applications" was organized by Ameer Shah. In Vancouver a considerable number of special sessions were held. Ruth Litovsky and Mario Svirsky coordinated the session "Communication abilities of congenitally deaf children" held jointly with Psychological and Physiological Acoustics (P&P), which considered cochlear implants, hair cell regeneration and related subjects. Sonya Bird organized "Indigenous languages of North America," which reduced the deficit of published research in this area. Linda Polka, Ocke-Schwen Bohn, and James Hillenbrand sponsored the session "Vowel systems and language learners." "Spectral integration of complex sounds and speech" was organized by Larry Feth, Eva Jacewicz, and Rob Fox, sponsored by P&P and co-sponsored by Speech. In addition, the "First ASA Workshop on Second Language Speech Learning" was held at Simon Fraser University immediately prior to the ASA meeting in Vancouver. The workshop, organized by Murray Munro and Ocke-Schwen Bohn, was attended by over 100 participants and was very highly praised. Finally, we appreciate the efforts of two members who gave excellent and informative presentations at the Vancouver meeting: the hot topics presentation "Imaging for understanding speech communication: Advances and challenges" by Shri Narayanan and the tutorial presentation "Tutorial lecture on automatic speech recognition" by Carole Espy-Wilson.

MAUREEN STONE

Chair

Structural Acoustics and Vibration

Many of the technical activities by members of the Structural Acoustics and Vibration Technical Committee (SAVTC) has been supported by funding by the US Navy on vibrations of, acoustic radiation from, and

self-noise in marine vessels. With Navy funding in these areas decreasing, SAVTC is facing new challenges, in addition to maintaining activities in past areas of interest, which is reflected in the SAVTC activities during this year. At the San Diego meeting in November 2004, there were three special technical sessions. Karl Grosh organized and chaired a session on "Structural Acoustics in MEMS." A session on "Surface Ship Vibration and Noise" was organized and chaired by Ray Fischer. Finally, Dan Russell organized and chaired a session on "Vibrations in Sports Equipments." In addition, there were two technical sessions on analysis and measurement methods. At the Vancouver meeting in May 2005, there were two special all-day technical sessions. David Feit organized and chaired a session on "Approximate Techniques for Fluid Loading Effects." Courtney Burroughs and Tom Rossing, from the Musical Acoustics Technical Committee, organized and chaired a session on "Vibration and Acoustic Radiation from Musical Instruments." In addition, there were SAVTC technical sessions on vibration and acoustic radiation.

This was the year for SAVTC to present a Hot Topics paper. At the San Diego meeting, Courtney Burroughs, Dean Capone, and Karl Grosh presented "Hot topics in structural acoustics; New directions and challenges." There was one new Fellow from the SAVTC. Two new Associate Editors for JASA were appointed. Andy Norris "retired" as Associate Editor after several years of service. Student paper award winners at the San Diego meeting were Matt Allen for paper 4pSA1 and Elizabeth Magluila for paper 2aSA11. In the Vancouver meeting, the two student paper winners were Jerome Pinnonnault for paper 5aSA2 and Dany Francoeur for paper 5aSA1. The student representative for SAVTC to the very active Student Council was Lance Locey (Penn State). He was replaced by Micah Shepard (Brigham Young) at the Vancouver meeting. The SAVTC representative to the San Diego TPOM was Courtney Burroughs and to the Vancouver TPOM, Claudio Bulfone. A special thanks to Claudio, who is not a member of SAVTC, for filling in when no one from SAVTC could attend the Vancouver TPOM.

COURTNEY B. BURROUGHS

Chair

Underwater Acoustics

The year began with preparation for the Fall 2004 meeting in San Diego, for which we thank Peter Gersoft and Peter Worcester for representing the Underwater Acoustics Technical Committee (UWTC) at the Technical Program Organizing Meeting (TPOM). Also, leading up to the San Diego meeting was the prominent cover-article of the October 2004 edition of *Physics Today*, entitled "Shallow-Water Acoustics" by William A. Kuperman and James F. Lynch.

In San Diego the UWTC sponsored special sessions entitled "Very High Frequency [O(100) kHz] Boundary Interaction" that was organized by Gary Heald and "Long Range Acoustic Propagation" that was organized by Peter Worcester. There were 16 papers submitted to the student paper competition for the San Diego meeting under the auspices of the UWTC. Elizabeth T. Kusel (Rensselaer Polytechnic Institute) was awarded first prize for her paper entitled "A single-scattering solution that handles large contrasts across interfaces," and Alexander O. MacGillivray (University of Victoria) received second prize for his presentation entitled "An airgun array source signature model for environmental impact assessments."

Gerald D'Spain presented a Tutorial Lecture on Ocean Noise and Marine Mammals at the San Diego meeting. Closely related to this topic, discussions at the San Diego venue commenced on an ASA Policy Statement on the "Potential Consequences of Anthropogenic Ocean Noise on Marine Animals," by the ASA Panel on Public Policy (PoPP), Working Group on Ocean Noise (James H. Miller and Darlene Ketten, Co-Chairs).

UWTC members Michael Ainslie, Robert Gragg, Phillippe Roux, and Manell Zakharia were recognized as new Fellows of the ASA, and the UWTC also recognizes the contributions of Walter Munk (ASA Honorary Fellowship), Van Holliday (Silver Medal in Acoustical Oceanography), and John Bouyoucos (Silver Medal in Engineering Acoustics), all of whom were recognized in San Diego. Finally, all the Technical Committee Chairs participated in the "Vision 2010 Conference" held at the Scripps Institution of Oceanography the Sunday before the San Diego meeting, with initial recommendations of this conference reported in the Winter 2005 edition of *Echoes*.

The Spring 2005 meeting in Vancouver, BC, held jointly with the Canadian Acoustical Association, was by all measures a fine success. Peter

Dahl represented the UWTC at the January TPOM, and the UWTC sponsored special sessions entitled "Acoustic Interaction with Ocean Boundaries: Single Bounce Measurements," which was organized by Charles Holland, and "Frequency Dependence of Sound Speed and Attenuation in Marine Sediments," which was organized by Gopu Potty and Peter Dahl. There were 21 papers submitted to the student paper competition for the Vancouver meeting under the auspices of the UWTC. Alexander O. MacGillivray (University of Victoria) received first prize for his presentation entitled "An acoustic modeling study of airgun noise from seismic surveys performed offshore British Columbia," and Jie Yang (Georgia Institute of Technology) received second prize for her work entitled "Influence of internal waves on vertical coherence of sound propagation in the East China Sea."

The ASA student paper awards in Underwater Acoustics receive contributions from other, related Technical Committees that do not offer this award; as a result both the paper count and competition is high. Coordinating the judging of these papers is a significant task (we seek at least two, ideally three independent evaluations for each paper), and the UWTC thanks Kyle Becker, who has carried out this coordination role on an *ad hoc* basis for the last three meetings. In Vancouver, the UWTC Chair proposed formalizing this role (*student judge coordinator* with position to last one year; Kathleen Wage has volunteered for this position that will commence with the Minneapolis meeting. We also note the graduation of UWTC Student Council representative Tom Weber (Applied Research Laboratory, Penn State University), who will be replaced by Andy Ganse (University of Washington). Finally the UWTC recognizes the contributions of Svein Vagle who received the Medwin Prize in Acoustical Oceanography in Vancouver.

PETER H. DAHL

Chair

USA Meetings Calendar

Listed below is a summary of meetings related to acoustics to be held in the U.S. in the near future. The month/year notation refers to the issue in which a complete meeting announcement appeared.

2005

- 17–21 Oct. 150th Meeting of the Acoustical Society of America joint with Noise-Con, Minneapolis, MN [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; E-mail: asa@aip.org; WWW: <http://asa.aip.org>].
- 27–29 Oct. 5th International Symposium on Therapeutic Ultrasound, Boston, MA [www.istu2005.org; E-mail: info@istu2005.org].

2006

- 9–12 Feb. 46th Annual Convention, Illinois Speech-Language-Hearing Association, Rosemont, IL [ISHA, 230 E. Ohio St., Suite 400, Chicago, IL 60611-3265; Tel.: 312-644-0828; Fax: 315-644-8557; Web: www.aishil.org].
- 16–18 Feb. 31st Annual Conference, National Hearing Conservation Association, Tampa, FL [NHCA, 7995 E. Prentice Ave., Suite 100 East, Greenwood Village, CO 80111-2710; Tel: 303-224-9022; Fax: 303-770-1614; E-mail: nhca@gwami.com; WWW: www.hearingconservation.org].
- 6–9 June 151st Meeting of the Acoustical Society of America, Providence, RI Island [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; E-mail: asa@aip.org; WWW: <http://asa.aip.org>].

- 17–21 Sept. INTERSPEECH 2006 (ICSLP 2006), Pittsburgh, PA [www.interspeech2006.org (<http://www.interspeech2006.org/>)]
- 28 Nov.–2 Dec. 152nd Meeting of the Acoustical Society of America joint with the Acoustical Society of Japan, Honolulu, HI [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; E-mail: asa@aip.org; WWW: <http://asa.aip.org>].

2008

- 28 July–1 Aug. 9th International Congress on Noise as a Public Health Problem (Quintennial Meeting of IC BEN, The International Commission on Biological Effects of Noise), Foxwoods Resort, Mashantucket, CT [Jerry V. Tobias, IC BEN 9, P. O. Box 1609, Groton, CT 06340-1609, Tel.: 860-572-0680; Web: www.icben.org; E-mail: icben2008@att.net].

Cumulative Indexes to the Journal of the Acoustical Society of America

Ordering information: Orders must be paid by check or money order in U.S. funds drawn on a U.S. bank or by Mastercard, Visa, or American Express credit cards. Send orders to Circulation and Fulfillment Division, American Institute of Physics, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2270. Non-U.S. orders add \$11 per index.

Some indexes are out of print as noted below.

Volumes 1–10, 1929–1938: JASA and Contemporary Literature, 1937–1939. Classified by subject and indexed by author. Pp. 131. Price: ASA members \$5; Nonmembers \$10.

Volumes 11–20, 1939–1948: JASA, Contemporary Literature, and Patents. Classified by subject and indexed by author and inventor. Pp. 395. Out of Print.

Volumes 21–30, 1949–1958: JASA, Contemporary Literature, and Patents. Classified by subject and indexed by author and inventor. Pp. 952. Price: ASA members \$20; Nonmembers \$75.

Volumes 31–35, 1959–1963: JASA, Contemporary Literature, and Patents. Classified by subject and indexed by author and inventor. Pp. 1140. Price: ASA members \$20; Nonmembers \$90.

Volumes 36–44, 1964–1968: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 485. Out of Print.

Volumes 36–44, 1964–1968: Contemporary Literature. Classified by subject and indexed by author. Pp. 1060. Out of Print.

Volumes 45–54, 1969–1973: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 540. Price: \$20 (paperbound); ASA members \$25 (clothbound); Nonmembers \$60 (clothbound).

Volumes 55–64, 1974–1978: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 816. Price: \$20 (paperbound); ASA members \$25 (clothbound); Nonmembers \$60 (clothbound).

Volumes 65–74, 1979–1983: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 624. Price: ASA members \$25 (paperbound); Nonmembers \$75 (clothbound).

Volumes 75–84, 1984–1988: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 625. Price: ASA members \$30 (paperbound); Nonmembers \$80 (clothbound).

Volumes 85–94, 1989–1993: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 736. Price: ASA members \$30 (paperbound); Nonmembers \$80 (clothbound).

Volumes 95–104, 1994–1998: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 632. Price: ASA members \$40 (paperbound); Nonmembers \$90 (clothbound).

Volumes 105–114, 1999–2003: JASA and Patents. Classified by subject and indexed by author and inventor. Pp. 616. Price: ASA members \$50; Nonmembers \$90 (paperbound).

Members of Technical and Administrative Committees of the Acoustical Society of America

The Technical and Administrative Committees listed below have been appointed by the Executive Council. These appointments, with such changes as may be made by the President from time to time, will be in effect until the Spring meeting of the Society in 2006.

Technical Committees 2005–2006

Acoustical Oceanography

N. Ross Chapman, *Chair* to 2007

Term to 2008

Daniela Di Iorio
Gerald L. D'Spain
Gary J. Heald
Jean-Pierre Hermand
David P. Knobles
Timothy G. Leighton
James H. Miller
Daniel Rouseff
Emmanuel K. Skarsoulis
Jerome A. Smith
Dajun Tang

Term to 2007

Kyle M. Becker
Grant B. Deane
Christopher Feuillade
Peter Gerstoft
Oleg A. Godin
John K. Horne
Bruce M. Howe
Anthony P. Lyons
Ralph A. Stephen
Kathleen E. Wage
Peter F. Worcester

Term to 2006

Mohsen Badiey
Paul E. Chandler
Dezhang Chu
Kerry W. Commander
Christian de Moustier
Stan E. Dosso
Andone C. Lavery
Zoi-Heleni Michalopoulou
Jeffrey A. Nystuen
David R. Palmer
Simon D. Richards
Martin Siderius

Ex officio:

James F. Lynch, member of Medals and Awards Committee
Mohsen Badiey, member of Membership Committee
Anthony P. Lyons, member of ASACOS

Animal Bioacoustics

Andrea M. Simmons, *Chair* to 2006

Term to 2008

Whitlow W. L. Au
Kelly J. Benoit-Bird
W. Tecumseh Fitch
Dorian S. Houser
Lee A. Miller

Larry L. Pater
Hiroshi Riquimaroux
Peter M. Scheifele
Edward J. Walsh

Term to 2007

Sheryl L. Coombs
Richard R. Fay
Edmund R. Gerstein
Seth S. Horowitz
Cynthia F. Moss
James A. Simmons
Jeannette A. Thomas

Term to 2006

Ann E. Bowles
John R. Buck
Christopher W. Clark
William C. Cummings
Charles R. Greene
Mardi C. Hastings
D. Vance Holliday
David A. Mann
Sam H. Ridgway

Ex officio:

Charles R. Greene, member of Medals and Awards Committee
Darlene R. Ketten, member of Membership Committee
Ann E. Bowles, member of ASACOS

Architectural Acoustics

Lily M. Wang, *Chair* to 2007

Term to 2008

Wolfgang Ahnert
Christopher N. Blair
John S. Bradley
Christopher N. Brooks
Angelo J. Campanella
Quinsan Ciao
Robert C. Coffeen
Peter D'Antonio
Felicia M. Doggett
William Dohn
Timothy J. Foulkes
Richard D. Godfrey
Tyrone Hunter
Clare M. Hurtgen
J. Christopher Jaffe
Mendel Kleiner
Jeff P. Kwoikoski
Brad W. Lewis
Stephen J. Lind
David Lubman
Ralph T. Muehleisen
Michael T. Nixon
Boaz Rafaely
Daniel R. Raichel
Jack E. Randorff
Jonathan Rathsam
H. Stanley Roller
Steven R. Ryherd
B. Schulte-Fortkamp
Noral D. Stewart
Michael Vorländer
Ning Xiang

Term to 2007

Warren E. Blazier
 Joseph F. Bridger
 Norm Broner
 Bennett M. Brooks
 Steven M. Brown
 Todd A. Busch
 Richard H. Campbell
 F. M. del Solar Dorrego
 Erin L. Dugan
 M. David Egan
 Jesse J. Ehnert
 Michael Ermann
 Adam R. Foxwell
 Ronald R. Freiheit
 Klaus Genuit
 Matthew V. Golden
 Kenneth W. Good, Jr.
 Brad N. Gover
 Mark A. Holden
 K. Anthony Hoover
 Jerald R. Hyde
 David W. Kahn
 Martha M. Larson
 Gary S. Madaras
 Benjamin E. Markham
 Charles T. Moritz
 David L. Moyer
 Edward T. Nykaza
 Paul B. Ostergaard
 Dennis A. Paoletti
 Stephen W. Payne
 Benjamin C. Seep
 Neil A. Shaw
 Ryan G. Sieler
 Rose Mary Su
 Jeff D. Szymanski
 Richard H. Talaske
 Michelle Vigeant
 Ewart A. Wetherill
 George E. Winzer
 Michael R. Yantis

Term to 2006

Nils-Ake Andersson
 Leo L. Beranek
 Sergio Beristain
 Leslie D. Blomberg
 Erica Bowden
 David T. Bradley
 David Braslau
 Todd L. Brooks
 Courtney B. Burroughs
 Paul T. Calamia
 Alexander U. Case
 William J. Cavanaugh
 Dan Clayton
 Elizabeth A. Cohen
 Chris L. Davies
 Damian Doria
 John Erdreich
 Robin S. Glosemeyer
 Robert D. Hellweg
 Murray R. Hodgson
 Ian B. Hoffman

Jin Jeon
 James A. Johnson
 Bertram Y. Kinzey, Jr.
 Iraklis E. Lampropoulos
 Jerry G. Lilly
 Peter A. Mapp
 David E. Marsh
 Gregory A. Miller
 Hideo Miyazaki
 Richard A. Moscoso-Bullon
 Matthew A. Nobile
 Bruce C. Olson
 Richard J. Peppin
 Scott D. Pfeiffer
 James E. Phillips
 Joseph Pope
 Roy L. Richards
 Carl J. Rosenberg
 Kenneth P. Roy
 Kevin P. Shepherd
 Yasushi Shimizu
 Gary W. Siebein
 Abigail E. Stefaniw
 Christopher A. Storch
 Jason E. Summers
 Louis C. Sutherland
 Jiri Tichy
 Nancy S. Timmerman
 Brandon D. Tinianov
 Gregory C. Tocci
 Rendell R. Torres
 Alfred C. C. Warnock
 George P. Wilson

Ex officio:

Ewart A. Wetherill, member of Medals and Awards
 Gregory C. Tocci, member of Membership Committee
 George E. Winzer, member of ASACOS

Biomedical Ultrasound/Bioresponse to Vibration

Michael R. Bailey, *Chair* to 2008

Term to 2008

John S. Allen
 Charles C. Church
 Gregory Clement
 Floyd Dunn
 E. Carr Everbach
 Christy K. Holland
 R. Glynn Holt
 Elisa E. Konofagou
 Subha Maruvada
 Wesley L. Nyborg

Term to 2007

Constantin C. Coussios
 Diane Dalecki
 J. Brian Fowlkes
 Kullervo H. Hynynen
 T. Douglas Mast
 Thomas J. Matula
 Robert J. McGough
 Douglas L. Miller
 Ronald A. Roy
 Thomas J. Royston
 Kendall R. Waters

Pei Zhong

Term to 2006

Shira L. Broschat
Ibrahim M. Hallaj
Joie P. Jones
Inder R. Makin
Michael V. Scanlon
Thomas L. Szabo
Janet M. Weisenberger
Junru Wu
Suk Wang Yoon

Ex officio:

Lawrence A. Crum, member of the Medals and Awards Committee
E. Carr Everbach, member of the Membership Committee and member of ASACOS

Engineering Acoustics

Kim C. Benjamin, *Chair* to 2006

Term to 2008

Steven R. Baker
David A. Brown
Stephen C. Butler
Robert D. Corsaro
Stephen E. Forsythe
Brian H. Houston
W. Jack Hughes
Robert M. Koch
L. Dwight Luker
Arnie L. Van Buren
Kenneth M. Walsh
Daniel M. Warren
Joseph F. Zalesak

Term to 2007

Mahlon D. Burkhard
James Christoff
Fernando Garcia-Osuna
Charles S. Hayden
Dennis F. Jones
Jan F. Lindberg
Yushieh Ma
Elizabeth A. McLaughlin
Alan Powell
Roger T. Richards
Kenneth D. Rolt
Neil A. Shaw
James F. Tressler

Term to 2006

Stanley L. Ehrlich
Gary W. Elko
Robert D. Finch
Guillermo C. Gaunaud
Thomas R. Howarth
Dehua Huang
Sung Hwan Ko
Theodore J. Mapes
Victor Nedzelnitsky
James M. Powers
P. K. Raju
Yongrae Roh
Ahmet Selamet
Stephen C. Thompson

James E. West
George S. K. Wong

Ex officio:

Mahlon D. Burkhard, member of Medals and Awards Committee and member of ASACOS
Thomas R. Howarth, member of Membership Committee

Musical Acoustics

James W. Beauchamp, *Chair* to 2008

Term to 2008

George A. Bissinger
Annabel J. Cohen
James P. Cottingham
Diana Deutsch
Neville H. Fletcher
Roger J. Hansen
Uwe J. Hansen
Peter L. Hoekje
James H. Irwin
Ian M. Lindevald
Stephen E. McAdams
Gary P. Scavone
Chris E. Waltham

Term to 2007

R. Dean Ayers
Judith C. Brown
Courtney B. Burroughs
John R. Buschert
Thomas M. Huber
Bozena Kostek
Barry Larkin
Daniel O. Ludwigsen
Thomas D. Rossing
David B. Sharp
Julius O. Smith
William J. Strong

Term to 2006

Anders G. Askenfelt
Xavier Boutillon
Jonas Braasch
Murray D. Campbell
Rene E. Causse
Antoine J. Chaigne
Nicholas J. Giordano
J. M. Harrison
William M. Hartmann
James M. Pyne
Daniel A. Russell
Punita G. Singh
Paul A. Wheeler
Shigeru Yoshikawa

Ex officio:

Uwe J. Hansen, member of Medals and Awards Committee
James P. Cottingham, member of Membership Committee
Ian M. Lindevald, member of ASACOS

Noise

Michael R. Stinson, *Chair* to 2006

Term to 2008

Elliott H. Berger
Ann E. Bowles
Frank H. Brittain

Steven M. Brown
 Mahlon D. Burkhard
 Robert D. Collier
 Lawrence S. Finegold
 Samir N. Y. Gerges
 Richard D. Godfrey
 Matthew V. Golden
 Murray R. Hodgson
 Jerry G. Lilly
 Stephen J. Lind
 David Lubman
 George A. Luz
 Matthew A. Nobile
 Richard J. Peppin
 Robert A. Putnam
 Jack E. Randorff
 Stephen I. Roth
 Paul D. Schomer
 Michelle E. Swearingen
 Nancy S. Timmerman
 Brandon D. Tinianov
 Gregory C. Tocci
 Lily M. Wang

Term to 2007

Martin Alexander
 Brian E. Anderson
 Keith Attenborough
 John P. Barry
 Leo L. Beranek
 Arno S. Bommer
 James O. Buntin
 John C. Burgess
 Jim R. Cummins
 Kenneth A. Cunefare
 Paul R. Donavan
 Ronald R. Freiheit
 Klaus Genuit
 Michael L. Gross
 David C. Haser
 Gerald C. Lauchle
 George C. Maling
 Thomas R. Norris
 John P. Seiler
 Noral D. Stewart
 Louis C. Sutherland
 Jiri Tichy
 D. Keith Wilson
 Ning Xiang

Term to 2006

Jorge P. Arenas
 Sergio Beristain
 Leslie D. Blomberg
 Bennett M. Brooks
 Robert D. Bruce
 Angelo J. Campanella
 William J. Cavanaugh
 Gilles A. Daigle
 Patricia Davies
 Jesse J. Ehnert
 Donna A. Ellis
 Tony F. W. Embleton
 John Erdreich
 David J. Evans

William M. Hartmann
 Robert D. Hellweg
 David K. Holger
 Seong-Woo Kang
 William W. Lang
 Richard H. Lyon
 Alan H. Marsh
 Ralph T. Muehleisen
 William J. Murphy
 Kenneth J. Plotkin
 Joseph Pope
 Daniel R. Raichel
 Brigitte Schulte-Fortkamp
 Ben H. Sharp
 Kevin P. Shepherd
 Scott D. Sommerfeldt
 Kerrie G. Standlee
 George S. K. Wong
 James C. Yu
Ex officio:

Nancy S. Timmerman, member of Medals and Awards Committee
 John Erdreich, member of Membership Committee
 Richard J. Peppin, member of ASACOS

Physical Acoustics

Murray S. Korman, *Chair* to 2008

Term to 2008

Robert T. Beyer
 Robin O. Cleveland
 Lawrence A. Crum
 Kenneth E. Gilbert
 Robert A. Hiller
 R. Glynn Holt
 Bart Lipkens
 Thomas J. Matula
 Ralph T. Muehleisen
 Harry Simpson
 John S. Stroud
 Preston S. Wilson

Term to 2007

David T. Blackstock
 David A. Brown
 John A. Burkhardt
 Kerry W. Commander
 Bruce C. Denardo
 Logan E. Hargrove
 D. Kent Lewis
 Julian D. Maynard
 George Mozurkewich
 Lev A. Ostrovsky
 Andrea Prosperetti
 Neil A. Shaw
 Victor W. Sparrow
 Richard Stern
 Roger M. Waxler

Term to 2006

Henry E. Bass
 Yves H. Berthelot
 James P. Chambers
 David I. Havelock
 Philip L. Marston

Philip S. Spoor
 Larry A. Wilen
 D. Keith Wilson
 Evgenia A. Zabolotskaya

Ex officio:

Robert M. Keolian, member of Medals and Awards
 Committee
 Steven L. Garrett, member of Membership Committee
 Sameer I. Madanshetty, member of ASACOS

Psychological and Physiological Acoustics

Elizabeth A. Strickland, *Chair* to 2008

Term to 2008

Michael A. Akeroyd
 Alain de Cheveigne
 Brent W. Edwards
 John H. Grose
 Gerald D. Kidd, Jr.
 Armin Kohlrausch
 Brenda L. Lonsbury-Martin
 William P. Shofner
 Lynne A. Werner

Term to 2007

David A. Eddins
 Lawrence L. Feth
 Hedwig E. Gockel
 Jennifer Lentz
 Mario A. Ruggiero

Term to 2006

Michelle L. Hicks
 Lynne Marshall
 Christopher J. Plack
 Donal G. Sinex
 Magdalena Wojtczak

Ex officio:

Joseph W. Hall, member of the Medals and Awards
 Committee
 Leslie R. Bernstein, member of Membership Committee
 Peggy B. Nelson, member of ASACOS

Signal Processing in Acoustics

Charles F. Gaumond, *Chair* to 2006

Term to 2008

Frank A. Boyle
 David H. Chambers
 Joe A. Clark
 R. Lee Culver
 David J. Evans
 David M. Fromm
 Howard A. Gaberson
 David I. Havelock
 Jean-Pierre Hermand
 George E. Ioup
 Juliette Ioup
 Matti A. Karjalainen
 Sean K. Lehman
 Lance L. Locey
 Zoi-Heleni Michalopoulou
 Brian B. Monson
 Joseph Pope
 Leon H. Sibul
 Randall W. Smith

Krykidos Tsiappoutas
 James E. West
 Gary R. Wilson
 George S. K. Wong
 Ning Xiang

Term to 2007

Max Deffenbaugh
 Alireza A. Dibazar
 Gary W. Elko
 Alan W. Meyer
 Daniel J. Sinder
 David C. Swanson
 Robert C. Waag
 Preston S. Wilson
 Lixue Wu

Term to 2006

James V. Candy
 William M. Carey
 Geoffrey S. Edelson
 Stanley L. Ehrlich
 Brian Ferguson
 Paul J. Gendron
 Peter Gerstoft
 William M. Hartmann
 Kevin D. Heaney
 William S. Hodgkiss
 Paul D. Hursky
 John M. Impagliazzo
 Hua Lee
 Patrick J. Loughlin
 Jens M. Meyer
 Hassan Namarvar
 Joseph W. Posey
 James C. Preisig
 Brian D. Rapids
 Edmund J. Sullivan

Ex officio:

Leon H. Sibul, member of Medals and Awards Committee
 David I. Havelock, member of Membership Committee
 David J. Evans, member of ASACOS

Speech Communication

Maureen L. Stone, *Chair* to 2007

Term to 2008

Norma S. Barroso
 Fredericka Bell-Berti
 Ann R. Bradlow
 Dani M. Byrd
 Roger W. Chan
 Alexander Francis
 Kenneth W. Grant
 Anders Lofqvist
 Terrance M. Nearey
 Douglas D. O'Shaughnessy
 Joseph S. Perkell
 Astrid Schmidt-Nielsen
 Joan E. Sussman
 Gary G. Weismer

Term to 2007

Patrice S. Beddor
 Melissa A. Epstein
 Robert Allen Fox

Helen M. Hanson
 Diane Kewley-Port
 Jody E. Kreiman
 Andrew J. Lotto
 Shrikanth S. Narayanan
 Dwayne Paschall

Term to 2006

Jean E. Andruski
 Lynne E. Bernstein
 Ocke-Schwen Bohn
 Suzanne E. Boyce
 Bruce R. Gerratt
 Benjamin R. Munson
 Peggy B. Nelson
 Brad H. Story

Ex officio:

Fredericka Bell-Berti, member of Medals and Awards Committee

Abeer Alwan, member of Membership Committee

Shrikanth S. Narayanan, member of ASACOS

Structural Acoustics and Vibration

Courtney B. Burroughs, *Chair* to 2006

Term to 2008

Dean E. Capone
 Joel Garrellick
 Peter C. Herdic
 Teik C. Lim
 Thomas J. Royston
 Angie Sarkissian
 Jeffrey S. Viperman

Term to 2007

Jeffrey E. Boisvert
 Stephen C. Conlon
 Linda P. Franzoni
 Robert C. Haberman
 Rudolph Martinez
 Koorosh Naghshineh
 Michael F. Shaw

Term to 2006

Benjamin A. Bard
 Alain C. Berry
 Kenneth A. Cunefare
 Joseph W. Dickey
 David Feit
 Allison B. Flatau
 Guillermo C. Gaunaud
 Karl Grosh
 Sabih I. Hayek
 Louis A. Herstein
 Francis Kirschner
 Jean R. Nicolas
 Andrew N. Norris
 Sally J. Pardue
 Allan D. Pierce
 Mauro Pierucci
 Scott D. Sommerfeldt
 Earl G. Williams
 Sean F. Wu

Ex officio:

Courtney B. Burroughs, member of Membership Committee

Mauro Pierucci, member of Medals and Awards Committee
 Sabih I. Hayek, member of ASACOS

Underwater Acoustics

Peter H. Dahl, *Chair* to 2006

Term to 2008

Juan I. Arvelo, Jr.
 Pierre-Philippe Beaujean
 Shira L. Broschat
 Geoffrey F. Edelmann
 Peter Gerstoft
 John H. Glattetre
 Brian T. Hefner
 Jean-Pierre Hermand
 Charles W. Holland
 John C. Osler
 Kevin B. Smith
 Brian J. Sperry
 Christopher T. Tindle
 Alexandra I. Tolstoy

Term to 2007

David C. Calvo
 Jee Woong Choi
 Christian P. de Moustier
 Stan E. Dosso
 Nicholas C. Makris
 Zoi-Heleni Michalopoulou
 Tracianne B. Neilsen
 Robert I. Odom
 Marshall H. Orr
 Gregory J. Orris
 James Preisig
 T. Martin Siderius
 Kathleen E. Wage
 Jixun Zhou

Term to 2006

Ralph N. Baer
 Kyle M. Becker
 John R. Buck
 Nicholas P. Chotiros
 Dezhong Chu
 David R. Dowling
 Steven I. Finette
 Roger C. Gauss
 Paul C. Hines
 Anatoliy N. Ivakin
 Finn B. Jensen
 William A. Kuperman
 John J. McCoy
 B. Edward McDonald
 Kazuhiko Ohta
 John S. Perkins
 John R. Preston
 Purnima Ratilal
 Ralph A. Stephen
 Eric I. Thorsos
 Brian H. Tracey
 Alexander G. Voronovich
 Lisa M. Zurk

Ex officio:

Henrik Schmidt, member of Membership Committee

Eric I. Thorsos, member of Medals and Awards Committee
Joseph M. Zalezak, member of ASACOS

Administrative Committees 2005–2006

Archives and History

Julian D. Maynard, *Chair* to 2007

Term to 2008

Anthony A. Atchley
Leo L. Beranek
William J. Cavanaugh
Steven L. Garrett
Logan E. Hargrove
Allan D. Pierce
Victor W. Sparrow

Term to 2007

Henry E. Bass
David T. Blackstock
E. Carr Everbach
William W. Lang
David L. Moyer
Richard Stern
Rosalie M. Uchanski

Term to 2006

Jont B. Allen
Ralph R. Goodman
David I. Havelock
Wesley L. Nyborg
Richard J. Peppin
William J. Strong

Audit

George V. Frisk, *Chair* to 2006

Term to 2008

Diane Kewley-Port

Term to 2007

Judy R. Dubno

Books +

David L. Bradley, *Chair* to 2008

Term to 2008

James P. Cottingham
Nancy S. McGarr
Jeffrey A. Nystuen
Neal A. Shaw
Emily A. Tobey

Term to 2007

Stanley L. Chin-Bing
Robert C. Spindel

Term to 2006

Jerry H. Ginsberg
Philip L. Marston
Joseph Pope
Robert A. Walkling

Allan D. Pierce, Editor-in-Chief, *ex officio*

College of Fellows Steering

Janet M. Weisenberger, *Chair* to 2007

Term to 2008

Stanley L. Ehrlich
E. Carr Everbach

Term to 2007

Peter G. Cable
M. David Egan
Uwe J. Hansen
Diane Kewley-Port
Thomas D. Rossing

Term to 2006

Joseph W. Dickey
Judy R. Dubno
Jiri Tichy

William J. Cavanaugh, *ex officio* as past Chair

Richard H. Lyon, *ex officio* as past Chair

Education in Acoustics

Uwe J. Hansen, *Chair* to 2006

Term to 2008

David T. Blackstock
Courtney B. Burroughs
Robin O. Cleveland
Kenneth A. Cunefare
D. Michael Daly
Mary Florentine
Logan E. Hargrove
Mardi C. Hastings
Peter L. Hoekje
Darrell R. Jackson
Michel T. T. Jackson
Murray S. Korman
Luc Mongeau
James M. Sabatier
Neil A. Shaw
Kevin B. Smith
Ralph A. Stephen
James E. West
Wayne M. Wright

Term to 2007

George A. Bissinger
David A. Brown
Robert D. Collier
Corinne M. Darvennes
Margaritis S. Fourakis
Carole E. Gelfer
Daniel O. Ludwigsen
Sharon Y. Manuel
Philip L. Marston
Ralph T. Muehleisen
Andrew A. Piacsek
Daniel R. Raichel
Thomas D. Rossing
Ronald A. Roy
Dawn R. Schuette
Scott D. Sommerfeldt
William Thompson, Jr.
Robert A. Walkling
George S. K. Wong

Term to 2006

William A. Ahroon
Takayuki Arai
Anthony A. Atchley
Fredericka Bell-Berti
Suzanne E. Boyce
Robert D. Celmer

Annabel J. Cohen
 E. Carr Everbach
 Thomas B. Gabrielson
 Katherine S. Harris
 Elizabeth S. Ivey
 Joie P. Jones
 Maria B. Mody
 Amy T. Neel
 P. K. Raju
 Deborah M. Rekart
 Daniel A. Russell
 M. Roman Serbyn
 Victor W. Sparrow
 Emily A. Tobey

Ethics and Grievances

Janet M. Weisenberger, *Chair* to 2008

Term to 2008

William J. Cavanaugh
 Gerald L. D'Spain
 Barbara G. Shinn-Cunningham

Investments

Ilene Busch-Vishniac, *Chair* to 2007

Term to 2008

Lawrence A. Crum
 Richard H. Lyon

Term to 2006

Patricia K. Kuhl

David Feit, Treasurer, *ex officio*

Medals and Awards

David L. Bradley, *Chair* to 2006

Term to 2008

Charles R. Greene	Animal Bioacoustics
Mauro Pierucci	Structural Acoustics and Vibration
Eric I. Thorsos	Underwater Acoustics
Ewart A. Wetherill	Architectural Acoustics

Term to 2007

Uwe J. Hansen	Musical Acoustics
Fredericka Bell-Berti	Speech Communication
Mahlon D. Burkhard	Engineering Acoustics
James F. Lynch	Acoustical Oceanography
Leon H. Sibul	Signal Processing in Acoustics

Term to 2006

Joseph W. Hall	Psychological and Physiological Acoustics
Lawrence A. Crum	Biomedical Ultrasound/Bioresponse to Vibration
Robert M. Keolian	Physical Acoustics
Nancy S. Timmerman	Noise

Meetings: May 2005–October 2005

Clark S. Penrod, *Chair* to 2008
 Whitlow W. L. Au, Fall 2006, Honolulu and ASA Vice President-Elect
 Damian Doria, Spring 2004, New York
 Donna L. Neff, Vice President
 Murray S. Hodgson, Spring 2005, Vancouver
 Russell Johnson, Spring 2004, New York
 William A. Kuperman, Fall 2004, San Diego
 James H. Miller, Spring 2006, Providence
 Elaine Moran, ASA Office Manager, *ex officio*

Peggy B. Nelson, Fall 2005, Minneapolis
 Charles E. Schmid, Executive Director, *ex officio*

Meetings: October 2005–June 2006

Clark S. Penrod, *Chair* to 2008
 Whitlow W. L. Au, Fall 2006, Honolulu and ASA Vice President-Elect
 Donna L. Neff, Vice President
 Murray D. Hodgson, Spring 2005, Vancouver
 William A. Kuperman, Fall 2004, San Diego
 James H. Miller, Spring 2006, Providence
 Elaine Moran, ASA Office Manager, *ex officio*
 Peggy B. Nelson, Fall 2005, Minneapolis
 Charles E. Schmid, Executive Director, *ex officio*
 Scott D. Sommerfeldt, Spring 2007, Salt Lake City

Membership

Peter H. Rogers, *Chair* to 2006

Term to 2008

E. Carr Everbach	Biomedical Ultrasound/Bioresponse to Vibration
Courtney B. Burroughs	Structural Acoustics and Vibration
Burton G. Hurdle	International Members
John Erdreich	Noise

Term to 2007

Mohsen Badiey	Acoustical Oceanography
Steven L. Garrett	Physical Acoustics
David I. Havelock	Signal Processing in Acoustics
Henrik Schmidt	Underwater Acoustics
Gregory C. Tocci	Architectural Acoustics

Term to 2006

Abeer Alwan	Speech Communication
Leslie R. Bernstein	Psychological and Physiological Acoustics
James P. Cottingham	Musical Acoustics
Thomas R. Howarth	Engineering Acoustics
Darleen R. Ketten	Animal Bioacoustics

Public Relations

Barbara J. Sotirin, *Chair* to 2006

Term to 2007

Kelly J. Benoit-Bird
 E. Carr Everbach
 Christy K. Holland
 Joe W. Posey
 Stephen C. Thompson

Term to 2006

Paul A. Baxley
 Paul Hursky
 Elizabeth A. McLaughlin
 Jack E. Randorff
 Kevin B. Smith
 James C. Yu

Term to 2005

Geoffrey F. Edelmann
 Katherine Kim
 Ellen S. Livingston
 Andrew Piacsek
 Brigitte Schulte-Fortkamp

Allan D. Pierce, Editor-in-Chief, *ex officio*
 Elaine Moran, ASA Office Manager, *ex officio*

Charles E. Schmid, Executive Director, *ex officio*
 Thomas D. Rossing, Echoes Editor, *ex officio*

Publication Policy

Floyd Dunn, *Chair* to 2006

Term to 2008

Diane Dalecki
 James F. Lynch

Term to 2007

Charles C. Church
 Mark F. Hamilton
 Mardi C. Hastings

Term to 2006

Jont B. Allen
 David I. Havelock

Anthony A. Atchley, President-Elect, *ex officio*
 Allan D. Pierce, Editor-in-Chief, *ex officio*

Regional Chapters

Juan I. Arvelo, *Cochair* to 2008
 Elizabeth A. McLaughlin, *Cochair* to 2008

Angelo J. Campanella	Central Ohio
Robert M. Keolian	Central Pennsylvania
Ernest M. Weiler	Cincinnati
Rebecca Mercuri	Delaware Valley
Timothy J. Foulkes	Greater Boston
Michael J. Anderson	Inland Northwest
Neil A. Shaw	Los Angeles
Hari S. Paul	Madras, India
Sergio Beristain	Mexico City
Roger T. Richards	Narragansett
George Bissinger	North Carolina
Peter F. Assmann	North Texas
James R. Angerer	Northwest
David Lubman	Orange County
Paul A. Baxley	San Diego
David Braslau	Upper Midwest
Juan Arvelo	Washington, DC
Thomas M. Disch	Wisconsin

Uwe J. Hansen, *Chair*, Education in Acoustics, *ex officio*
 David Feit, *Treasurer*, *ex officio*
 Conner Duke, *Student Council representative*, *ex officio*

Rules and Governance

William M. Hartmann, *Chair* to 2008

Term to 2008

Ilene J. Busch-Vishnaic
 Tony F. W. Embleton
 Richard H. Lyon

Term to 2007

William J. Cavanaugh
 Floyd Dunn

Term to 2006

Elaine Moran
 Charles E. Schmid

Prizes and Special Fellowships

Wayne M. Wright, *Chair* to 2007

Term to 2008

Uwe J. Hansen

Term to 2007

Anthony A. Atchley
 Constantine Trahiotis

Term to 2006

Fredericka Bell-Berti
 James E. West

Standards

Executive Committee

Paul D. Schomer, *Chair* (Standards Director)
 Robert D. Hellweg, *Vice Chair*
 Susan B. Blaeser, *Standards Manager, ex officio*

S1 Representation

John P. Sieler, *Chair S1* and *ASA representative on S1*
 George S. K. Wong, *Vice Chair S1* and *ASA alternate representative on S1*

S2 Representation

Richard J. Peppin, *Chair S2*
 David J. Evans, *Vice Chair*
 Sabih I. Hayek, *ASA representative on S2*
 Bruce E. Douglas, *ASA alternate representative on S2*

S3 Representation

R. F. Burkard, *Chair S3* and *ASA representative on S3*
 Craig A. Champlin, *Vice Chair S3* and *ASA alternate representative on S3*

S12 Representation

Robert D. Hellweg, *Chair S12*
 Richard D. Godfrey, *Vice Chair S12*
 Bennett M. Brooks, *ASA representative on S12*
 Paul D. Schomer, *ASA alternate representative on S12*

International TAGs (ex officio)

Paul D. Schomer, *Chair*, U.S. TAG for ISO/TC 43 and ISO/TC 43/SC1
 David J. Evans, *Chair*, U. S. TAG for ISO/TC 108
 Victor A. Nedzelnitsky, U. S. Technical Advisor for IEC/TC 29

ASA Technical Committee Representatives

Donna L. Neff, *Chair of ASA Technical Council, ex officio*
 Anthony P. Lyons, *Acoustical Oceanography*
 Ann E. Bowles, *Animal Bioacoustics*
 George E. Winzer, *Architectural Acoustics*
 E. Carr Everbach, *Biomedical Ultrasound/Bioresponse to Vibration*
 Mahlon D. Burkhard, *Engineering Acoustics*
 Ian M. Lindevald, *Musical Acoustics*
 Richard J. Peppin, *Noise*
 Sameer I. Madanshetty, *Physical Acoustics*
 Peggy B. Nelson, *Psychological and Physiological Acoustics*
 David J. Evans, *Signal Processing in Acoustics*
 Shrikanth S. Narayanan, *Speech Communication*
 Sabih I. Hayek, *Structural Acoustics and Vibration*
 Joseph M. Zalezak, *Underwater Acoustics*

ASA Officers

David Feit, *Treasurer, ex officio*
 Charles E. Schmid, *Executive Director, ex officio*

Past Chair of ASACOS (ex officio)

Tony F. W. Embleton

Associate Editors for Standards News—JASA (ex officio)

Susan B. Blaeser

George S. K. Wong

Student Council

Brian Monson
Chair and Signal Processing in Acoustics

Tessa C. Bent
Speech Communication

Joshua G. Bernstein
Psychological and Physiological Acoustics

Erica Bowden
Regional Chapter Committee Liaison

David T. Bradley
Architectural Acoustics

Conor Duke
Noise

Andrew Ganse
Underwater Acoustics

Marla Holt
Animal Bioacoustics

Wheeler B. Howard
Physical Acoustics

Nicolas Le Dantec
Acoustical Oceanography

Alexandra Loubeau
Engineering Acoustics

Andrew C. H. Morrison
Musical Acoustics

Neil Owen
Biomedical Ultrasound/Bioresponse to Vibration

Micha Shepard
Structural Acoustics and Vibration

Tutorials

to be appointed, *Chair* to 2008

Term to 2008

Kenneth A. Cunefare
David R. Dowling
Barbara G. Shinn-Cunningham

Term to 2007

Ann R. Bradlow
James V. Candy
James P. Chambers

Term to 2006

Gerald D. Kidd
Lily M. Wang
Charles E. Schmid, Executive Director, *ex officio*

Women in Acoustics

Peggy B. Nelson, *Chair* to 2006

Term to 2008

Mardi C. Hastings
Brigitte Schulte-Fortkamp
Sophie Van Parijs
Lily M. Wang

Term to 2007

Sarah Hargus Ferguson
Benjamin R. Munson
Donna L. Neff
Nancy S. Timmerman

Term to 2006

David T. Bradley
Chi-Feng Chen
Melissa A. Epstein
Subha Maruvada
Katherine Sawicki
Whitlow W. L. Au, *ex officio* as Vice President-Elect

Ad Hoc Committees 2005–2006

ARLO Editorial Advisory

D. Keith Wilson, *Chair*

E. Carr Everbach
Anders Lofqvist

Philip L. Marston
Andrew N. Norris
Allan D. Pierce
Michael R. Stinson

International Research and Education

Gilles A. Daigle, *Chair* to 2005

Sergio Beristain
Lawrence A. Crum
Malcolm J. Crocker
Samir N. Y. Gerges
Vera A. Khokhlova
William M. Hartmann
Konstantin A. Naugolnykh
Oleg Sapozhnikov
Brigitte Schulte-Fortkamp
Michael Vorlander
Suk Wang Yoon

Future of ASA Publications

William A. Yost, *Chair*

Anthony A. Atchley
Ilene J. Busch-Vishniac
Lawrence A. Crum
Jody Kreiman
Allan D. Pierce
Edward J. Walsh

JASA Editorial Board

Term to June 2008

S. B. Blaeser, Acoustical News—Standards
W. M. Carey, Signal Processing in Acoustics
K. A. Cunefare, Noise, Its Effects and Control
D. Deutsch, Music and Musical Instruments
D. Feit, Structural Acoustics and Vibration
N. H. Fletcher, Music and Musical Instruments
K. G. Foote, Underwater Sound
K. W. Grant, Speech Perception
G. C. Lauchle, Atmospheric Acoustics and Aeroacoustics
R. A. Lutfi, Psychological Acoustics
P. L. Marston, Acoustical Reviews—Books
W. G. Mayer, Acoustical News—International
L. D. Rice, Acoustical Reviews—Patents
W. P. Shofner, Physiological Acoustics
R. A. Stephen, Underwater Sound
B. H. Story, Speech Production
J. E. Sussman, Speech Perception
A. J. Szeri, Ultrasonics; Physical Effects of Sound
R. M. Waxler, General Linear Acoustics
D. K. Wilson, Noise: Effects and Controls
G. S. K. Wong, Acoustical Standards News
A. J. Zuckerwar, Applied Acoustics; Transduction; Acoustical Measurements

Term to June 2007

W. W. L. Au, Bioacoustics—Animal
P. E. Barbone, Physical Acoustics
Y. H. Berthelot, Ultrasonics; Physical Effects of Sound
A. R. Bradlow, Speech Perception
C. C. Church, Bioacoustics
A. J. M. Davis, General Linear Acoustics
F. Dunn, Bioacoustics—Biomedical
A. L. Francis, Speech Perception
L. P. Franzoni, Structural Acoustics and Vibration
J. H. Ginsberg, Structural Acoustics and Vibration
M. F. Hamilton, Nonlinear Acoustics

J. G. Harris, Ultrasonics; Physical Effects of Sound
 M. S. Howe, Atmospheric Acoustics and Aeroacoustics
 M. Kleiner, Architectural Acoustics
 J. G. McDaniel, Structural Acoustics and Vibration
 D. D. O'Shaughnessy, Speech Processing
 A. J. Oxenham, Psychological Acoustics
 R. Raspet, Ultrasonics; Physical Effects of Sound
 W. L. Siegmann, Underwater Acoustics
 J. A. Simmons, Bioacoustics
 L. C. Sutherland, Atmospheric Acoustics and Aeroacoustics
 L. L. Thompson, General Linear Acoustics
 R. L. Weaver, Structural Acoustics and Vibration
 E. G. Williams, Structural Acoustics and Vibration
 N. Xiang, Architectural Acoustics

Term to June 2006

S. L. Broschat, Underwater Sound
 D. R. Dowling, Underwater Sound
 A. Kohlrausch, Psychological Acoustics
 G. D. Kidd, Psychological Acoustics
 A. Lofqvist, Speech Production
 B. L. Lonsbury-Martin, Physiological Acoustics
 T. D. Mast, Ultrasonics; Physical Acoustics
 J. J. McCoy, Mathematical Acoustics
 E. Moran, Acoustical News USA
 T. D. Rossing, Education in Acoustics
 J. B. Schneider, Computational Acoustics
 V. W. Sparrow, Education in Acoustics
 E. J. Sullivan, Acoustic Signal Processing
 R. Stern, Electronic Archives and References; Forum
 A. I. Tolstoy, Underwater Sound

*Associate Editors of Acoustics Research Letters Online
 (ARLO)*

Term to 30 June 2007

I. J. Busch-Vishniac
 G. B. Deane, Underwater Sound
 S. G. Kargl, Nonlinear Acoustics
 C. F. Moss, Bioacoustics
 J. Mobley, Ultrasonics; Quantum Acoustics; Physical Effects of Sound

Term to 30 June 2006

J. V. Candy, Acoustic Signal Processing
 C. C. Church, Bioacoustics
 M. F. Hamilton, Nonlinear Acoustics
 J. M. Hillenbrand, Speech Perception
 A. Lofqvist, Speech Production
 B. L. Lonsbury-Martin, Physiological Acoustics
 T. J. Matula, Ultrasonics; Quantum Acoustics; Physical Effects of Sound
 J. M. McCoy, General Linear Acoustics
 J. G. McDaniel, Structural Acoustics and Vibration
 A. N. Norris, General Linear Acoustics
 D. D. O'Shaughnessy, Speech Processing and Communication Systems
 J. D. Quirt, Architectural Acoustics
 T. D. Rossing, Music and Musical Instruments
 W. P. Shofner, Physiological Acoustics
 W. L. Siegmann, Underwater Sound
 V. W. Sparrow, Computational Acoustics
 M. R. Stinson, Noise
 D. K. Wilson, Aeroacoustics and Atmospheric Sound