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## Noise Control and Acoustics Division Newsletter

Gary H. Koopmann, Editor

April 1992

### Incoming Chair's Remarks —

## NCAD Revisited

by Walt Eversman

It was only two years ago that I wrote my incoming chairman's remarks, and here I am back at it. First, an explanation. A tradition in the Executive Committee of the division has been the rotation of incoming members through several jobs, and finally in the fifth and final



Walt Eversman

year to the chairmanship. This works when the rotation is undisturbed. Because of pressures of their profession, we have had several executive committee members decline to complete the rotation. In order to preserve the tradition as nearly as possible we have on occasion had a chairman serve two terms. Because ASME rules require a one-year term as chairman, the second term must necessarily follow a one year "rest". This happened several years ago when Gary Koopmann served a second term, and will occur again next year when Bill Hanson serves a second term. A second term may well be a desirable event. ASME is a very complex organization and it is almost impossible to "learn the ropes" in one year. I enter my second year with one full year of experience and at least a modest understanding of how things work. I am  
*(Continued on page 3)*

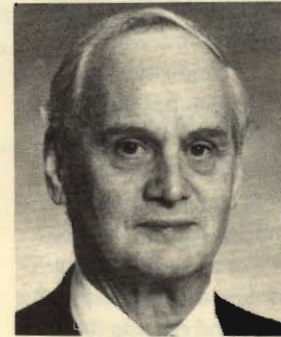
## Powell Receives Per Bruel Gold Medal

Dr. Alan Powell, Ph.D., Department of Mechanical Engineering, University of Houston, Houston, Texas was awarded the 1991 Per Bruel Gold Medal. Dr. Powell was noted for his published papers of fundamental importance in acoustics and noise control, including his theoretical and experimental work on sound generated by turbulent flow, constituting one of the cornerstones of contemporary aeroacoustics.

The Per Bruel Gold Medal for Noise Control and Acoustics was established in honor of Dr. Per Bruel who pioneered the development of highly sophisticated noise and vibration measuring and processing equipment. The medal recognizes eminent achievement and extraordinary merit in the field of noise control and acoustics, including useful applications of the principles of noise control and acoustics to the art and science of mechanical engineering.

Dr. Powell attended Boston College, Derbyshire, and Loughborough College (now Loughborough University of Technology) (UK), from which he received a diploma in aeronautical engineering in 1948 and an honors diploma in 1949. He also received a B.Sc.Eng (Hons.) from London University in the latter year. He received a Ph.D. in engineering from the University of Southampton in 1953.

After graduation, Dr. Powell joined the Percival Aircraft Company, doing structural design and advanced flutter analysis. In 1951, he joined Professor E.J. Richards at the then University College,



Alan Powell

Southampton, where his jet noise research laboratory became the forerunner of the Institute of Sound and Vibration. During 1956-1957 as a research fellow at the

California Institute of Technology, he was appointed associate professor of engineering at the University of California at Los Angeles, building new research laboratory and developing graduate courses in aeroacoustics. He was promoted to full professor in 1962. During the period 1956 to 1965 he also served as a consultant, primarily to the Douglas Aircraft Company.

In 1965 he became associate technical director and head, Acoustics and Vibration Laboratory at the David Taylor Model Basin, Bethesda, Maryland, becoming technical director the following year.

In 1967 the Model Basin was merged with the Marine Engineering Laboratory in Annapolis and he became technical director of the new David Taylor Ship Research Center. Returning in 1986 to academia as professor, Department of Mechanical Engineering in the University of Houston, he has taken up personal theoretical and experimental research in aeroacoustics again. *(Continued on page 3)*

## NCAD Highlights

The Noise Control and Acoustics Division was established to encourage, focus, and further the development and application of noise control and acoustics principles to mechanical engineering and in fact to all branches of engineers. The division promotes the interchange of ideas and technical information, principally through technical publications and participation in the Winter Annual Meeting. The division takes great pride in the segment of the scientific and engineering community which has been reached, and in the level of excellence achieved in technical sessions and archival publications sponsored by the division. The following is a summary of the highlights of 1991/1992.

**Membership** — The division membership has increased to 646 primary members as of February 5, 1992. This represents a 2 percent increase over the membership as of October 1991. The NCAD is competing with several organizations which specialize in the field of acoustics and noise control. Our division has matured to an organization dedicated to excellence in the science and application of acoustics. We set high standards for both our presented papers and our archival literature. As a result, we have built a reputation both within the American Society of Mechanical Engineers and outside the organization. We serve as a vehicle to advance the state-of-the-art in noise control and acoustics, and intend to continue to focus on this segment.

**Executive Committee** — The Executive Committee was expanded at the Winter Annual Meeting in December of 1990. These changes took effect early in 1991 with the addition of one of our technical division chairman, the Division's associate editor, and a new "experienced" member position. The intent of this new position is, as the name implies, to add more experience to the Executive Committee. The person who serves in this position has extensive experience with the Executive Committee and has previously served as chairman. This individual adds continuity and a historical perspective to the committee. One of our Executive Committee members will be away on sabbatical in 1992, as a result, we have selected a substitute to chair his technical committee. We have also elected a new Executive Committee member to replace a member whose term recently expired. This new person has served successfully as technical committee chairman for a number of

years.

**Journal** — The division now has the *Journal of Vibrations and Acoustics* as a focal point for publications. Our associate editor last reported that there were eight papers in review for possible publication in the Journal.

**Technical Committees** — Our technical committee structure was reorganized at WAM 90 and we eliminated some inactive committees. We also recruited several new technical committee chairmen and restructured our committees to reflect the interests of our membership. At present, we have the following Technical Committees: Instrumentation, Turbomachinery Noise and Vibration, High Intensity Acoustics, Analysis Techniques and Acoustics, Flow Induced Noise & Vibration, Structural Acoustics, Industrial Acoustics, and Active Noise Control. Chairmen for these technical committees held meetings on Wednesday, December 4, 1991 to discuss future plans with their committees. They will formally meet again on November 8, 1992 at the Winter Annual Meeting in Anaheim, CA. Anyone interested in participating in these meetings should consult the final schedule and join the Technical Committee(s) of their choice. This is an excellent opportunity to meet other with similar interests and to help guide the committee towards topics of interest to the members. Two new chairmen are being recruited for technical committees. In addition, one temporary chairman was selected to substitute for a technical committee chairman who is on sabbatical.

**Entrepreneurial Activities** — In the past, we have received entrepreneurial funds for broader and more frequent communication with our members. Future plans include correspondence from the chairman, NCAD newsletter, and development of a recruitment package. We hope to further expand this communication and enhance these activities to inform potential members, other divisions, and mechanical engineering students who, at present, are relatively inactive in the Division.

**Concerns** — To reiterate a concern that has been expressed previously, we find it awkward and somewhat inefficient to operate within the current budget structure. We would encourage a dues structure which includes a provision for a portion of the dues to be directed toward divisional financing. With the present business climate, it is more difficult for us

to solicit the necessary funds to support our current activities including the Wine and Cheese Reception, and special projects such as the Rayleigh Lecture endowment and the Per Bruel Gold Medal endowment. It is even more difficult to develop new programs to further improve the visibility and operation of the division without a budget process which provides for routine funding of the division.

William J. Hanson

### Profile —

#### Akay New Member of NCAD Executive Committee

Dr. Adnan Akay is the DeVlieg Professor of Mechanical Engineering at Wayne State University in Detroit, Michigan. He teaches courses in acoustics, vibrations, noise control, and in the area of design. His research interests are: noise and vibrations in high-speed mechanisms, friction-induced sounds, transient sound radiation, particularly impact sounds, fluid-layer damping and squeeze-film bearings, and flow-structure interactions. Applied research problems Dr. Akay has been working on include noise radiation from fans, electric motors, pumps, hydraulic systems, and combustion engines. Recent interests include development of a laser-holography based image processing system. Dr. Akay collaborates with colleagues in the areas of structural acoustics, engine noise and active sound cancellation.

Dr. Akay is a consultant to a number of companies on acoustics and noise control problems.

#### Pierce to Give Rayleigh Lecture at WAM '92

The Rayleigh Lecture for WAM '92 will be given by Dr. Allan Pierce of The Pennsylvania State University, on "Atmospheric Acoustics". The lecture will take place on Tuesday, November 9, at 3:45 p.m., followed by the traditional Wine & Cheese Reception from 5:30 until 8:00 p.m.

# News from WAM '91

## Feit Presents 1991 Rayleigh Lecture

David Feit of the David Taylor Research Center presented the Rayleigh Lecture at the WAM '91. Feit spoke on "Structural Acoustics from Lord Rayleigh to the Present." The lecture began with a brief history of structural acoustics. Feit noted that although Rayleigh laid much of the groundwork for future workers, he never did true structural acoustics as Feit defines it — treating problems that involve strong fluid-structure interaction. Feit discussed the contributors since Rayleigh which he considers most important, including his collaborator Michael Junger (whom he called the "father of structural acoustics"), David Crighton and many others. Feit then discussed the major fields of modern structural acoustics in the context of its "fundamental problem" — a fluid-loaded infinite flat plate which obeys the Bernoulli-Euler plate equations. With this as a basis, he discussed scattering from discrete discontinuities, the acoustic response of complex structures, and other problems. All these problems have a common thread; in each, the combination of simple, well-known effects leads to very complicated and interesting results. Feit did an excellent job of presenting the essence of structural acoustics, and of revealing its fascination to his audience.

*Truman Douglas Mast*

## Report from WAM Program Chairman

Thanks to all authors, session chairpersons, and session developers for the excellent job they did at WAM '91 in Atlanta. At WAM '91, we had a total of 58 presentations in 16 sessions including the Rayleigh Lecture by Dr. David Feit of David Taylor Research Center. There were seven sessions on Structural Acoustics with co-sponsorship from Applied Mechanics; three sessions on Hydro-acoustics; two sessions on Flow Noise Modeling; two on High Intensity Noise and one on General Acoustics. All sessions were well attended. All should take pride in the success of our program.

We wish to express our sincere appreciation to the sponsors of the Wine & Cheese Reception; Bruel & Kjaer, Scantec, Inc, Universal Silencers - Nelson Industries.

*K.H. Hsu*

## Flow Induced Noise and Vibration Technical Committee Symposia

The Flow Induced Noise and Vibration Technical Committee sponsored two Symposia at the WAM '91. Drs. R. Arndt and T. Farabee organized a Symposium on "Hydroacoustic Facilities, Instrumentation and Experimental Techniques", which offered ten papers. Drs. W. Keith, R. Lueptow and T. Farabee organized a Symposium on "Flow Noise Modeling, Measurement, and Control" which was jointly sponsored with the Fluid Mechanics Committee of the Fluids Engineering Division and consisted of fourteen papers. Both Symposia attracted papers from the international community. Judging by the attendance at the Symposia both were well received. The sponsors of these Symposia thank the authors who contributed papers, the many reviewers, and those who attended the presentations.

The technical committee meeting that was held during WAM '91 was well attended. At this meeting, plans for the committee's involvement during future WAM's were discussed.

*T. Farabee*

## Powell Receives Per Bruel

*(Continued from page 1)*

Among numerous professional activities, Dr. Powell has been president of the Acoustical Society of America and vice president of the Institute of Noise Control Engineers. He has been chairman of the National Academy of Sciences-National Research Council's Committee on Hearing Bioacoustics and Biomechanics (CHABA) and presently serves on the Naval Studies Board. He has given invited lectures in the USSR, People's Republic of China, Japan, and many European countries.

Among his honors are the Royal Aeronautical Society's Baden-Powell Prize and Orville Wright Prize; the Biennial Award of the Acoustical Society of America; and the Aeroacoustics Award of the American Institute of Aeronautics and Astronautics. He received the Captain Robert Dexter Conrad Gold Medal for Scientific Achievement from the Secretary of the Navy in 1988 and a Meritorious

Executive citation in 1982 from President Ronald Reagan.

He is a Fellow of the Royal Aeronautical Society; the Institute of Physics, London; Acoustical Society of America; the Physical Society, London; The Institute of Mechanical Engineers (IMEchE), London; and the Institute of Acoustics (UK). He is a honorary Life Member of the Tau Beta Pi.

Dr. Powell is a member of ASME, IMechE, Acoustical Society of America, American Society for Engineering Education, Society of Naval Architects and Marine Engineers, Institute of Electrical and Electronic Engineers, Institute of Noise Control Engineers, and the Institute of Acoustics (UK).

Dr. Powell has spoken at several ASME meetings, including presenting the Rayleigh Lecture at the 1988 Winter Annual Meeting. He is a chartered engineer in the United Kingdom.

## NCAD Revisited

*(Continued from page 1)*

looking forward to being more productive and to working with a very capable executive committee with whom I have had the pleasure of working previously.

The outlook for 1992-1993 is very bright. The technical committees have been restructured slightly to reflect current areas of interest and have aggressive leadership. K.H. Hsu in the position of Program Chairman has done a superb job of organizing technical sessions for WAM '92 and future years. He also has some good ideas for expanding the scope of our activities to include joint sponsorship of technical sessions with other divisions. We are looking forward to sessions emphasizing flow induced vibrations and vibro-acoustic characterization of materials, as well as other areas, and to increased activity in Active Noise Control! Instrumentation, and Turbomachinery Noise and Vibration in succeeding years.

A very encouraging trend is the interest in our division shown by young and active workers in the acoustic field. The life and future of NCAD depends on a continuous influx of contributors to our activities, both technical and organizational. We have had a relatively small but dedicated group in leadership roles. My wish for the coming year is that more divisional members at all experience levels will enter the leadership stream.

## Concurrent Engineering is theme for WAM '92

The theme for WAM '92 will be "Concurrent Engineering". For WAM '92, we are planning a total of 17 sessions. We will be participating in several symposia; 1) International Symposium on FIV and Noise, 2) Active Noise and Control, 3) Vibroacoustics Characterization of Materials and Structures. In addition, we are organizing a forum on Noise Control & Plant Design. As always, we will have our traditional Rayleigh lecture to be given by Dr. Allan Pierce of Penn State. One major change for WAM '92 is that all our technical sessions and technical committee meetings will be held during the first three days of the conference as opposed to the last two days.

### Tentative WAM '92 Program

NCAD Program	Session	Date	Time
<b>Flow-Induced Vibration and Noise</b> (Co-Sponsor — PVP, AMD, FED, HTD, NED) (Farabee)			
FIV & Noise I	NCA-4	MON	3:45-5:15 p.m.
FIV & Noise II	NCA-5	TUE	7:45-9:15 p.m.
FIV & Noise III	NCA-10	TUE	5:30-7:00 p.m.
<b>Vibroacoustic Characterization of Materials and Structures</b> (Raju)			
Vibroacoustic I	NCA-1A	MON	7:45 - 9:15 a.m.
Vibroacoustic II	NCA-2	MON	9:30-11:00 a.m.
Vibroacoustic III	NCA-3	MON	11:15-12:45 a.m.
Vibroacoustic IV	NCA-6	TUE	9:30-11:00 a.m.
Vibroacoustics V	NCA-7	TUE	11:45-12:45 p.m.
<b>Forum Noise Control &amp; Plant Design</b> (Hanson)			
Noise Control I	NCA-13B	WED	11:15-12:45 p.m.
Noise Control II	NCA-14	WED	2:00 - 3:30 p.m.
<b>Turbomachinery Noise</b> (Swim)			
Turbomachinery Noise	NCA-15	MON	7:00 - 8:30 a.m.
<b>Active Noise and Control</b> (Co-Sponsor — AMD, DE, DS&C) (Hendricks)			
Active Noise I	NCA-8	TUE	2:00 - 3:30 p.m.
Active Noise II	NCA-12	WED	9:30 - 11:00 a.m.
Active Noise III	NCA-13A	WED	11:15-12:45 a.m.
<b>General Acoustics</b>			
General Acoustics I	NCA-1B (BPEP-4B)	MON	2:00 - 3:30 p.m.
General Acoustics II	NCA-11	WED	7:45 - 9:15 a.m.
<b>Rayleigh Lecture</b>			
	NCA-9	TUE	3:45 - 5:15 p.m.
<b>Wine &amp; Cheese Party</b>			
		TUE	5:30 - 8:00 p.m.
<b>Technical Committee Meetings</b>			
		MON	12:00 - 1:00 p.m.
<b>General Committee Meeting</b>			
		MON	1:00 - 3:00 p.m.
<b>Executive Committee Meeting</b>			
		SUN	7:00 - 9:00 p.m.

### Tech Committee/Developer

#### FIV & Noise

Dr. Ted Farabee  
David Taylor Research Ctr.  
Code 1942  
Bethesda, MD 29984  
Tel (301) 227-1731

#### Analysis Technique

Prof. P.K. Raju  
Auburn University  
Dept. of Mech. Engrg.  
Auburn, AL 36849  
Tel: (205) 844-3301  
Fax: (205) 844-3307

#### Turbomachinery Noise/Vib.

Dr. W. B. Swim  
Tennessee Technical Univ.  
Box 5014  
Cookeville, TN 38501  
Tel: (615) 372-3273  
Fax: (615) 372-6172

#### Industrial Acoustics

Dr. Bill Hanson  
Liberty Mutual Res. Corp.  
71 Frankland Road  
Hopkinton, MA 01748  
Tel: (508) 435-9061  
Fax: (508) 435-3575

#### Active Noise Control

Dr. Eric Hendricks  
Code 634  
Naval Ocean Systems Center  
San Diego, CA 92152  
Tel: (619) 553-1588  
Fax: (619) 553-1269

#### Dynamic Systems and Control

Prof. Clark Radcliffe  
Dept. of Mech. Engrg.  
Michigan State University  
East Lansing, MI 48824  
517-355-5198

K.H. Hsu

# WAM '92

## Technical Committee Notes

### Turbomachinery Noise and Vibration

An open forum is planned for '92 WAM in Anaheim, CA, to discuss advances in turbomachinery noise and vibrations. This forum is organized by Niranjan Humbad of Digital Equipment Corporation (508-493-3508) and Bob Schlinker of United Technologies (203-727-7242). Give either a call if you wish to present a paper on progress in turbomachinery noise and vibrations. Review papers are invited on noise and vibration of air movers, for example, those used in commercial air handling equipment, computers and peripherals, power generation equipment, appliances, shipboard propulsion equipment, automotive systems, industrial process and heat exchangers. Potential presenters are encouraged to send the session organizer a 300 word abstract of their topic by **May 1, 1992**.

Based on the review papers presented at the WAM '92 turbomachinery noise forum, the committee plans to develop new and exciting future sessions.

We would also like to invite ideas for future technical programs on turbomachinery noise. The committee is committed to advancing the knowledge of noise generation and control of all types of turbomachinery.

**Committee Changes:** Bill Swim of the Tennessee Technological University is going on sabbatical leave and has handed over chairmanship to Bob Schlinker of United Technologies Research Center. The new committee officers are:

**Chairman:** Dr. Robert Schlinker, Aeroacoustics Group, M/S 17, United Technologies Research Center, East Hartford, CT 06108, Tel: (203) 727-7242, Fax: (203) 727-7656; **Vice Chairman & Program Coordinator:** Dr. Niranjan Humbad, Digital Equipment Corporation, 146 Main Street (ML06B-2/T13), Maynard, MA 01754, Tel: (508) 493-3508, Fax: (508) 493-8780; **Secretary/Treasurer:** Dr. Terry Wright, Dept. of Mech. Engrg., University of Alabama - Birmingham, University Station, Birmingham, AL 35294, Tel: (205) 934-8460, Fax: (205) 934-8437; **Membership Committee:** William B. Swim, Dept. of Mech. Engrg., Tennessee Tech. University, Cookeville, TN 38505-5014, Tel: (615) 372-3273, Fax: (615) 372-6172.

Please feel free to contact any of

the committee officers if you have any questions or suggestions.

*N. Humbad and B. Schlinker*

### Flow Induced Noise and Vibration

For WAM '92, the committee is participating in the International Symposium on Flow-Induced Vibrations & Noise which is being organized by Dr. Paidoussis. This is a multi-divisional Symposium and this committee is sponsoring three sessions on the topic of Flow Structure and Flow Sound Interactions, consisting of fifteen papers. From the quality of the papers that have been received this should be a very good symposium, one that members of NCAD will not want to miss. Committee plans for WAM '93 are to participate in the 4th International Symposium on Cavitation which is jointly sponsored by various ASME divisions. Included in this Symposium topic will be the subject of acoustic issues relating to two-phase flows. Dr. R. Arndt is organizing this committee's activities for this Symposium. For WAM '94 the committee plans to sponsor a Symposium dealing with piping and valve noise issues. The details of this Symposium are still being developed and suggestions are more than welcome.

The committee will again meet during WAM '92 and the committee meeting is open to all. If you have suggestions on technical areas this committee should be sponsoring, I invite you to attend the committee meeting or discuss your thoughts with me by telephone. In order to fully serve the technical community we need your input on areas that are of interest. For further information about the committee's activities, I can be reached at: Dr. Theodore M. Farabee, Carderock Division Naval Surface Warfare Center, Code 1942, Bethesda, MD 20084-5000, tel: (301) 227-1732, fax: (301) 227-4405.

*T. Farabee*

## Symposium on Active Control of Noise and Vibration

A Symposium on Active Control of Noise and Vibration will be sponsored by the Systems Theory Panel, Dynamic Systems and Control Division Committee on Dynamics Systems and Structures, Applied Mechanics Division Vibration

and Sound Committee, Design Division Active Noise Control Committee, and Noise Control and Acoustics Division at WAM '92.

The organizers encourage submission of theoretical, analytical and experimental papers on all aspects of active control of vibration, and fluid acoustic pressure response. The theme of the 1992 WAM is "Concurrent Engineering" and papers addressing advanced design and analysis methods are particularly encouraged. Reviewed, accepted papers will be published in a bound volume and may be submitted for publication to an ASME Journal.

Possible topics include but are not limited to: Active Control of Ducts, Mufflers and Manifold Noise, Active Control of Acoustics and/or Structural Response, Active Control of Room and Vehicle Passenger Compartment Noise, Active Control of Fluid Continua and/or Combustion, Active Control of Flow Induced Vibration, Active Control of Structural Vibration and Stability, Modelling and Identification for Active Control of Noise and Vibration, Active Vibration Isolation and Suspension Systems, Smart Sensors and Actuators for Noise and Vibration Control.

### \*\*\* REMINDER \*\*\*

Plan to attend the NCAD's technical committee meetings during WAM '92. They will be scheduled during the first three days of the meeting. Times and locations will be available in the WAM '92 publication.



*Gerhard Reethof receives the ASME Dedicated Service Award for his years of valued service to the organization*

# Looking Ahead to WAM '93

## Planned Sessions for WAM '93

The theme for WAM '93 will be "Managing Technological Risks". The following sessions are being planned: 1) Flow Acoustics Interaction and Fluid Flow Control - K.B.M.Q. Zaman and K. Baumeister (two sessions); 2) Computational Aero and Hydroacoustics - W. Eversman and F. Huang (two sessions); 3) Wavenumber Conversion - A. Akay (one session); 4) Exterior Acoustics Modes - K. Cunefare (one session); 5) Design Sensitivity/Optimization - G. Koopmann and K. Cunefare (one session); 6) Student Papers - Mardi Hastings (one session).

Anyone who is interested in planning sessions for WAM '93, please contact: K.H. Hsu, Babcock & Wilcox, PO Box 271, Barberton, Ohio 44203, Tel: (216) 860-2653 or fax: (216) 860-1870.

*K.H. Hsu*

## Call for Papers WAM '93

### Flow Acoustics Interaction and Fluid Flow Control

Papers are solicited from a broad range of topics involving flow acoustics interaction leading to flow control. Topics may include, but are not limited to, drag reduction, lift augmentation, mixing enhancement, transition control, delay of separation, effect on heat transfer and suppression of flow unsteadiness. Contributions are sought which describe innovative concepts and analyses, experimental and computational results for a broad spectrum of flows including incompressible as well as compressible regimes. Send abstract to: Dr. K.B.M.Q. Zaman, Mail Stop 5-11, NASA Lewis Research Center, 21000 Brookpark Road, Cleveland, Ohio 44135.

## Future Winter Annual Meetings

November 8-13, 1992  
Anaheim Hilton & Towers  
Anaheim, CA

November 18-December 3, 1993  
New Orleans Hilton  
New Orleans, LA

November 13-18, 1994  
Hyatt Regency Chicago  
Chicago, IL

November 12-17, 1995  
San Francisco Hilton  
San Francisco, CA

November 17-22, 1996  
Atlanta Hilton & Towers  
Atlanta, GA

November 16-21, 1997  
Loews Anatole  
Dallas, TX

November 15-20, 1998  
Anaheim Hilton & Towers  
Anaheim, CA



*A lively discussion during the meeting of the Analytical Techniques Technical Committee: Ken Cunefare, Dick Keltie, Andy Seybert and Yun-fan Hwang.*

### Reminder —

If you have any news about your company, agency, or university that relates to NCAD activities and want to share it in the NCAD Newsletter, please send it along to the editor.

### NCAD Editor:

Gary H. Koopmann  
Penn State University  
157 Hammond Building  
University Park, PA 16802  
Tel: (814) 865-2761  
Fax: (814) 863-7222

## Outgoing Chairman's Message — 1991 in Review

by William J. Hanson

As the 1991/1992 term draws to a close, we look forward to the new term when the division will operate under the capable leadership of Walter Eversman. Walter is seasoned, having chaired the division previously in 1990/1991. In addition, we have several other extremely dedicated and capable Executive Committee members. Our Program Chairman, K.H. Hsu has done an outstanding job in coordinating the past two Winter Annual Meetings. Dick Keltie has served as our Division Associate Editor for several years and has capably fulfilled the demands of this challenging position. Finally, Bill Swim, the newest member of our Committee, will be serving as Secretary/Treasurer. Bill is on sabbatical, but is expected to return next year.

Jack Hansen completed his term on the Executive Committee in 1991. Jack served for five years and provided the newer members of the Committee with tremendous support and insight. His wisdom and experience were critical in helping the Committee to formulate goals and objectives for the future.

We added a new Executive Committee position last year to provide more continuity to the group. This "experienced" member is Adnan Akay, who served on the Executive Committee until 1989. Adnan provides a wealth of knowledge regarding the operations of ASME, as well as an historic perspective of the goals of the Division. The participation of an experienced member such as Adnan is essential to the continued success of the NCAD.

It has been a pleasure to work with this group of highly qualified and committed individuals. They exemplify the high standards and character of ASME and the profession.

Unlike previous Chairmen, I will continue to serve on the Committee and will focus my efforts to increasing membership and the activities of the Technical Committee on Industrial Acoustics. I am anxious to get more industrial involvement. We must entice industry and encourage managers to allow their engineers to participate in ASME. There is much to be gained by attending the technical sessions, but equally important are the friendships and contacts developed through this association and its activities.

## ASME Noise Control and Acoustics Division ASME WAM Program Schedule

Planning technical sessions is the major activity of all NCAD technical committees. To clarify the scheduling for potential authors, we have listed the various deadlines that must be met to ensure the success of the WAM meetings. Please save this important schedule, copy it, and pass it along to your colleagues so that we can all be aware of the planning process.

Action	Month Due	Action By
Call for Papers/Abstracts to ASME	April	WAM Program Chairman
Number of Planned Sessions to WAM Program Chairman	October	Committee Chairmen Session Developers
Preliminary Program to ASME	December	WAM Program Chairman
Abstracts to Session Developers or Paper Review Chairman	January	Authors/Developers
Draft Manuscripts due to Paper Review Chairman	March	Authors/Developers
Session/Paper Titles to WAM Program Chairman	March	Developers
Paper Review Completed	April	Paper Review Chairman/ Reviewers
Completed 1337 Forms to WAM Program Chairman	April	Developers/Paper Review Chairman
Completed 1337 Forms to ASME	May	WAM Program Chairman
Final Program ASME	July	WAM Program Chairman
Final Manuscripts on Mats to Paper Review Chairman	July	Authors/Developers
Final Manuscripts on Mats to ASME	July	Paper Review Chairman
Technical Paper Review Chairman Dr. Richard Keltie Dept. of Mech. & Aero. Engrg. North Carolina State University PO Box 5246 Raleigh, NC 27650 Tel: (919) 737-3024 Fax: (919) 737-7968		WAM Program Chairman Dr. K.H. Hsu Babcock & Wilcox Nuclear Equipment Division PO Box 271 Barberton, OH 44203 Tel: (216) 860-2653 Fax: (216) 860-1870



*Dr. Walter Eversman receives a Certificate of Appreciation for his role as Chairman of the Division in 1990-91*

# NCAD ORGANIZATION 1992-93

