EDITORIAL

A reminder to our readers to plan to spend the week of October 18-22, 1982, in Toronto. Details of the week's activities are given in this issue and include three 2-day seminars, the CAA Annual Symposium on Acoustics, and the CSA Committee on Acoustics and Noise Control Annual General Meeting. Those planning to attend the CAA Symposium are encouraged to participate. Why not sit down today and write a short abstract (less than 200 words), and mail it to the convenor, John Manuel (address on inside back cover).

If you wish to nominate CAA officers at the CAA Annual business meeting, see following news item for details.

EDITORIAL

Ceci est un rappel pour nos lecteurs d'envisager de passer la semaine du 18 au 22 octobre 1982 à Toronto. Le programme d'activités se trouve dans ce numéro, il inclut des détails à propos de 3 séminaires (chacun dure 2 jours), du symposium annuel de l'ACA sur l'Acoustique, et de la Reunion Générale Annuelle du Comité de l'ACN sur l'Acoustique et le Contrôle du Bruit. Ceux qui assisterons sont invités à participer : écrivez un sommaire (moins de 200 mots), aujourd'hui même et envoyez-le à John Manuel (voir l'adresse à la dernière page).

ACOUSTICIAN MOVES WEST

A.G. (Tony) Taylor recently took up an appointment as Engineer, Mechanical Engineering Services, with Bently-Nevada Canada Ltd., Nisku (Edmonton), Alberta, T0C 2G0. Telephone (403) 995-8922.

CAA NOMINATIONS/NOMINATIONS DE L'ACA

The bylaws of the Canadian Acoustical Association require that the past-president nominate persons to fill vacancies that occur on the Board of Directors and Officers of the Association.

Past-president, Bill Bradley has advised us that he will make the following nominations/L'ancien président de l'ACA Bill Bradley nous a appris qu'il nommera les personnes suivantes:

President/Président: Cameron Sherry
Executive Secretary/Secrétaire:
John Manuel (continuing)
Editor/Editeur: Deirdre Benwell
(continuing)
Treasurer/Trésorier: Jean Nicolas
(continuing)

Directors: The terms of two of our directors, Joe Piercy and Doug Whicker, expire this year. To replace them, David Quirt (National Research Council) and Raymond Hétu (University of Montreal) will be nominated to serve for a four year period.

Further nominations are invited and should be in the hands of the Executive Secretary, together with the consent of the nominees to serve, prior to the Toronto meeting./Autres nominations sont invitées et doivent être reçues avec le consentement des nominés par le Secrétaire (John Manuel) avant le Réunion Générale Annuelle à Toronto.

CAA TORONTO CHAPTER MEETING

The CAA Toronto Chapter held a meeting in the Mount Sinai Hospital Auditorium on Easter Monday, April 12, 1982. The subject of the meeting was Industrial Audiometry and the meeting was chaired by Dr. Sharon Abel. In spite of the holiday and change of venue, some 20 members attended the meeting and the question sessions were lively. There were 3 guest speakers. The first speaker

Dr. Wills, spoke on "Monitoring Noise-Exposed Workers at Ontario Hydro", with particular emphasis on achieving follow-up action when a worker with a hearing loss problem is identified. The second speaker, Mrs. Benwell, presented a paper on "Calibration and Evaluation of Audiometers", outlining results obtained when evaluating acoustical parameters of new audiometers using CSA Standard Z107.4. Five out of the 13 audiometers tested had non-linear attenuators at hearing levels less than 20 dB. The final presentation was made by Mr. Davis, on "Computerized Hearing Testing, Storage and Analysis". Mr. Davis ably elucidated the benefits of computerized hearing testing, and the advantages of using a microprocessor interface. The versatility, speed and reasonable cost of this type of system were emphasized.

The meeting closed with a short speech of thanks to the speakers given by Winston Sydenborgh, who also kindly provided the doughnuts. Coffee and the projectionist were by courtesy of Dr. Peter Alberti.

ASTM COMMITTEE E-33 ON ACOUSTICS REPORT

A new Task Group on Procedures to Evaluate Acoustical Communication Between Work Stations in Open Plan Offices was formed during the meetings on American Society for Testing and Materials (ASTM) Committee E-33 on Environmental Acoustics at ASTM Headquarters in Philadelphia, 5-7 April 1982. The task group will develop one or more standard methods to measure the degree of speech communication or isolation between work stations in open plan offices.

A new Task Group will revise ASTM Method C 367, "Strength Properties of Prefabricated Architectural Acoustical Tile or Lay-in Ceiling Panels." The revision will include a new precision and accuracy section and a section on laboratory accreditation. The Committee seeks new members for this task group.

Another Task Group will revise ASTM Recommended Practice E 497, "Installation of Fixed Partitions of Light Frame Type for the Purpose of Conserving Their Sound Insulation Efficiency". The revision will expand the scope of the standard to include demountable office partitions.

The organization of a round robin test series using "Proposed Test Method for Measurement of the Interzone Attenuation of Ceiling System Assemblies for Open-plan Spaces" was announced. The results of the round robin will be used to determine the precision and accuracy of the proposed method.

An adjunct that contains a drawing of the "Sound Absorption Panel, Oct. 1964 Standard Sample" was submitted to ASTM Headquarters. The adjunct also contains data obtained with this standard sample on Acoustical Materials Association (AMA) No. 4 and No. 7 mountings. Copies of the adjunct are available at a nominal cost from ASTM Headquarters.

Prof. Howard F. Kingsbury received the ASTM Award of Merit "for dedication to the cause of voluntary standards in acoustics and for shaping the destiny of Committee E-33 on Environmental Acoustics through his leadership and friendship". The Award, which is the highest honor ASTM can bestow on a member, was presented by G.O. Atkinson, ASTM Vice President for Standards Development.

The next meeting of Committee E-33 will be 25-27 October 1982 in Toronto, Ontario, Canada, at the Royal York Hotel. Further information about Committee E-33 and its activities can be obtained from David R. Bradley, ASTM, 1916 Race Street, Philadelphia, Pennsylvania 19103; Telephone (215) 299-5560.

BLACHFORD RECEIVES AN ACADEMY AWARD FOR SOUND REDUCTION

H.L. Blachford together with Dr. Louis Stankiewicz received a Technical Achievement Award for the development of

Baryfol sound barrier materials used in silencing cameras on movie sets. The Award, given by the Academy of Motion Picture AMS and Sciences, was presented in late March 1982 at Beverly Hills, California.

NELSON INDUSTRIES INC. 1983 ACOUSTICAL PAPER AWARDS PROGRAM

Nelson Industries is sponsoring an open paper competition for outstanding original papers on mufflers, silencers and related acoustical technology. Entries may be in the form of a research paper, engineering study, case history, or review paper. The first prize is $2000.00 and the deadline for submission is September 1, 1982. Entry forms and additional information are available from: - Larry J. Eriksson, Corporate Research Dept., Nelson Ind. Inc., P.O. Box 428, Stoughton, WI, U.S.A. 53589, Tel (608) 873-4373.

SEVENTH GENERAL ASSEMBLY OF I-INCE.

I-INCE met in Amsterdam on October 9th 1981 in Amsterdam. Hugh Jones represented the Canadian Acoustical Association. The following meetings of I-INCE are planned: May 17-19, 1982, San Francisco; July 13-15, 1983, Edinburgh, Scotland, December 3-5, 1984, Honolulu, Hawaii.

NEW RESEARCH CONTRACTS

To Hydroman Inc., Trois-Rivieres, Que., $98,645 for "Development of a methodology for inspecting submerged works using electro-acoustical devices". Awarded by the Dept. of Public Works.

To Mr. Morissette, Dept. of Electrical Engineering, U. of Sherbrooke, Sherbrooke, Que., $30,073 for "Transmission of spoken information - phase I". Awarded by the Dept. of Communications.

To Melville Shipping Ltd., Calgary, Alta., $300,000 for "Continuation of stress analysis - M.V. Arctic hull girder stress and vibratory response during ship-ice interaction. Awarded by the Ministry of Transport.

To IBI Group, Toronto, Ont., $75,000 for "Identification and assessment of the communication/information needs for the visually/hearing/speech-impaired travellers". Awarded by the Ministry of Transport.

To Caulfield Creative Arts Ltd., Sherwood Park, Alta., $977,184 for "Development of a correlation sonar current meter and ice movement detector". Awarded by the Dept. of Fisheries and Oceans.

To Dr. R.B. Hicks, Dept. of Physics, U. of Calgary, Calgary, Alberta, $16,993 for "Development of digital controller processor for acoustic sounder". Awarded by the Dept. of the Environment.

To Dr. Richarz, Inst. for Aerospace Studies, U. of Toronto, Toronto, Ont., $10,303 for "Development of a thunder recognition device". Awarded by the Dept. of the Environment.

To Dr. A. Schwarz, Vancouver, B.C., $23,279 for "Study to investigate the response of pacific herring to waterborne sounds produced by fishery operations in British Columbia - phase II. Awarded by the Dept. of Fisheries and Oceans.

To Techno Scientific Inc., Downsview, Ont., $88,862 for "Advanced ultrasonic techniques for non-destructive evaluation". Awarded by the National Research Council.

To Drs. Gottlieb and Hansen, Institute for Aerospace Studies, U. of Toronto, $279,197 for "Blast simulation and structural response". Awarded by the Dept. of National Defence.

To Drs. Gottlieb and Richarz, Institute of Aerospace Studies, U. of Toronto, $10,074 for "Development of a calibrated

microphone system for noise measurements in the Defence and Civil Inst. of Environmental Medicine experimental deep diving facility. Awarded by the Dept. of National Defence.

To ZVOOK Corporation, Toronto, Ont., $37,695 for "Development of a voice synthesizing reading system". Awarded by the National Research Council.

To J.M. Shearer, Ottawa, Ont., $25,000 to "Conduct an evaluation of side scan sonar technology and mosaicing techniques for Beaufort Sea Shelf/Slope and Hibemia Seabed Morphology Research. Awarded by the Dept. of Energy, Mines and Resources.

To Arctic Sciences Ltd., Sidney, B.C., $142,257 for "Study of the measurements of winds over coastal waters by acoustic remoe sensing". Awarded by the Dept. of Fisheries and Oceans.

SITUATIONS WANTED

1. Graduate, mechanical engineering, with lab and field training in acoustics, psychoacoustics, instrumentation, data analysis and software development.

2. B.Sc. Honours, Southampton. Ten years of applicable experience in laboratory testing and design, room acoustics, environmental and industrial noise control, and vibration.

3. Laval graduate in civil engineering. Limited training in acoustics. Bilingual. Software development experience, Fortran, Basic, APL.

If interested, more information on these files can be obtained from John Manuel (416) 965-1193.

POSITION WANTED

Ph.D. in Psychoacoustics

U.S. trained landed immigrant in Canada with experience in psychoacoustics (masking and noise); physiological acoustics (single cell, and average evoked potential electrophysiology); pharmacology of the auditory system (iontophoretic manipulation of auditory neurons using putative neuro-transmitters); neuroanatomy of auditory structures; as well as techniques of acoustical measurement, calibration and spectral analysis.

In addition to upper level teaching experience I was project leader in charge of support personnel contracted to the neuro-physiology laboratory at NASA's Johnson Space Center in Houston, Texas, conducting both auditory and vestibular research in a strongly application-oriented engineering environment.

Following a post-doctoral year in the U.S., I am seeking a Canadian position in an industrial, medical or academic context.

For a complete resume and references, contact:

Maurus J. Moore
15 Tangreen Court, #611
Willowdale, Ontario
M2M 3Z2

Phone: (416) 223-1520

JOB WANTED

THOMAS KELLY is looking for a suitable position in the acoustics field. He holds a bachelors degree in acoustical engineering from the Institute of Sound and Vibration Research, University of Southampton, England. His five years experience, gained in the U.K. and Canada, encompasses most aspects of acoustics including the engineering of room acoustics, building service noise and vibration control, industrial noise and vibration control, environmental and community noise, silencer testing and airflow and acoustics commissioning of H & V systems.

Please contact the applicant at Suite 3, 2043 Collingwood Street, Vancouver, British Columbia V6R 3K7. Telephone: (604) 734-9467