

EDITORIAL

The annual meeting and symposium of the CAA in Toronto, and the associated acoustical activities were a great success. Details of the various events are given in this volume. At the annual meeting of the CAA Cameron Sherry was elected the new president. We hope to present his picture and a short biography in the next issue. Other directors and officers of the CAA are listed on the inside back cover of CANADIAN ACOUSTICS.

A highlight of this year's acoustics week was a reception and tour of the Roy Thompson Hall in Toronto, the tour being conducted by Ted Shultz, the acoustical consultant for the Hall.

The next symposium and annual meeting of the CAA is scheduled for the week of October 17, 1983, in Vancouver, B.C.

We are pleased to announce that our Past President, Tom Northwood, recently received an Acoustical Society of America award, also described in this volume. Our thanks to Tom for his services to CAA and our congratulations.

EDITORIAL

Nous voudrions partager avec tous nos lecteurs, et surtout avec ceux qui n'ont pas eu l'occasion de se rendre à notre réunion annuelle à Toronto, le 18 au 22 octobre 1982, quelques nouvelles sur ce meeting.

Les activités ont commencé par trois séminaires intitulés: Vibrations, Contrôle du Bruit au lieu de Travail, et Contrôle du Bruit lié à l'Aménagement du Territoire. D'après le nombre de participants, ce séminaires ont été un succès. Concernant le Symposium, le programme a reflété à la fois la richesse et la diversité actuelles de l'acoustique au Canada - ceci malgré le nombre un peu décevant d'environ 100 participants pour

une agglomération telle que Toronto. Trois sessions parallèles ont eu lieu, et le nombre total de présentations a dépassé 55. Une des nouvelles importantes de la Réunion Annuelle est que nous avons maintenant un nouveau président de l'ACA, c'est Cameron Sherry. Nous présenterons son portrait dans un des prochains numéros. A part cela, il a été décidé de tenir notre prochaine réunion en 1983 à Vancouver, B.C.

En plus de nos activités habituelles, une visite et une réception ont eu lieu le 20 octobre dans la nouvelle salle de concert Roy Thompson au centre-ville de Toronto. Les participants avaient la bonne occasion d'avoir le meilleur guide possible pour présenter l'acoustique de cette salle, à savoir Ted Shultz. Ses commentaires et ses explications, et surtout son sens d'humour, ont marqués cette soirée inoubliable.

POSITION WANTED

M. Atwal is looking for a position in noise control, sound transmission, or a related area. He is willing to locate anywhere in Canada or the U.S. He has a B.Sc. in Physics, and has spent the last 4 years conducting research into transmission of sound through porous materials at Leicester Polytechnic where he received his M.Phil. and Ph.D.

For further information please contact Mr. Atwal directly:

M. Atwal
20 St. Helens Road
Erith, Kent, U.K.
Telephone Numbers-
Day-01-317-7089
Eve-01-311-7099

CAA TORONTO CHAPTER

The first meeting of the 1982/83 season was held at the Mount Sinai Hospital Auditorium on September 13,

1982. The subject of the meeting was "Music and Acoustics". The meeting was chaired by the co-convenors, Mr. Alberto Behar and Mr. Winston Sydenborgh. Three guest speakers provided excellent topics.

For the Chapter
Steering Committee

W.V. Sydenborgh

The first speaker was Mr. Len A. Blizzard from the Department of Electronics Engineering, George Brown College. A comparison demonstration of recorded music was played using various instruments with synthesizer. The music sounded very realistic and a brief explanation of the equipment required was presented.

Mr. John LeBerg, Director of Operations of the Canadian Opera Company spoke to us on the formation and set-up of opera. Cast, frequency of rehearsals, and costs as well as funding were discussed. By coincidence, this was also the gala opening night of the Roy Thompson Hall and Mr. LeBerg had just come from this opening. On the question of future use of the Hall by the opera company, the answer was "no", since the Hall is not compatible with opera performances and also, rehearsal times would interfere with present bookings.

Mr. Leslie Doelle's topic "Music and Hall Acoustics" was a slide show of many famous halls in Europe and North America, with their good and bad points as well as many historical anecdotes. Many questions were asked of each of the speakers and lively discussions followed.

The meeting closed with a word of thanks to the speakers. The projectionist and the coffee was provided by Mount Sinai Hospital. Donuts were courtesy of Bruel and Kjaer.

Future meetings: (1) Monday, January 10, 1983, 7:00 p.m., Technical Visit to George Brown College, Sharon Abel and Len Blizzard, convenors; (2) Monday, April 11, 1983, 7:00 p.m., "Environmental Acoustics", Ontario Hydro Auditorium, 700 University Avenue, Toronto, Chris Krajewski, John Swallow, convenors.

ASTM E-33 TORONTO MEETING

The American Society for Testing and Materials (ASTM) Committee E-33 on Environmental Acoustics, met in Toronto, 25-27 October, 1982. For further information regarding the outcome of the meeting contact: Richard M. Guernsey, Cedar Knolls, New Jersey 07929, USA. Tel: (201) 539-6261.

ULTRASONICS INTERNATIONAL MOVES TO NOVA SCOTIA

In line with the policies of Ultrasonics International of alternating venues between the UK and overseas, it has now been arranged to hold the 14th meeting, UI 83, in Halifax, Nova Scotia. All previous arrangements to hold UI 83 at the University of Surrey, UK, are therefore postponed but it is intended that the next event will be held there in 1985. The dates contained in previous announcements have not been changed; UI 83 will still be held 12-14 July 1983, the week before the start of the Paris ICA. Canadian inquiries should be directed to Hugh Jones, Dept. of Physics, Dalhousie University, Halifax, Nova Scotia, B3H 3J5.

PROCEEDINGS OF MUSICAL PERCEPTION

The proceedings of the Queen's Symposium on Musical Perception held July 14-16, 1981 at Queen's University, Kingston, Ontario will be published in the 1982 (No. 3) issue of the Canadian University Music Review. Orders at \$10.00 (Canadian) per copy may be placed with the Business Manager, Elaine Keillor, Department of Music, Carleton University, Ottawa, Ontario, K1S 5B6.

The papers are:

"Beginnings and endings in Western Art Music" by Jonathan Kramer, University of Cincinnati.

"Exploring sensitivity to structure in music" by Annabel Cohen, University of Toronto.

"Analyzing spectra that won't sit still" by A.S. Bregman, McGill University.

"Acoustical factors in subjective tests" by Floyd Toole, National Research Council of Canada.

"The musical control of sound color" by Wayne Slawson, University of Pittsburgh.

"Some perceptual aspects of timbre" by C.L. Searle, Massachusetts Institute of Technology.

"Factors of musical perception: three points of view" -- comments by Ireneus Zuk, David Keane and Lola Cuddy of Queen's University following a piano concert performed by Ireneus Zuk.

NEW RESEARCH CONTRACTS

To Ogmundson Marine Consultants, Chilliwack, B.C., \$5,250, for "Hydro acoustic study of Sockeye salmon stock in Rivers Inlet." Awarded by the Dept. of Fisheries and Oceans.

To S.L. White, Vancouver, B.C., \$4,686, for "Determination of fish size and species using echo location equipment in King Point area, Yukon." Awarded by the Dept. of Fisheries and Oceans.

To D.G.O. Martens, Electrical Engineering, University of Manitoba, Winnipeg, Manitoba, \$30,000, for "Voice input/output study for videotex system." Awarded by the Dept. of Communications.

To S. Morissette, Faculty of Applied Science, Dept. of Electrical Engineering,

University of Sherbrooke, Sherbrooke, Que., \$35,489, for "Study of a new principle of instantaneous dynamic compression of speech signals as applied to mobile radio."

To G.E. Beachell, Beaconsfield, Que., \$1,875, to "Set up and run an underwater sound listening system for a study of white whales and ship traffic." Awarded by the Dept. of Fisheries and Oceans.

To Ontario Research Foundation, Mississauga, Ont., \$281,998, for "Study of the detection of critical surface flaws in ceramics by surface acoustic waves." Awarded by the Dept. of National Defence.

To Dr. K.M. Wong, Dept. of Electrical Engineering, McMaster University, Hamilton, Ont., \$45,097, for "Median filter data normalization of 2-dimensional acoustic data displays." Awarded by the Dept. of National Defence.

Dr. F.L. Hall, Dept. of Geography, Dr. S.M. Taylor, Dept. of Civil Engineering, McMaster University, Hamilton, Ont., \$52,705, for "Development of a model from an existing data bank to predict the effects of environmental noise on residential communities." Awarded by the Ministry of Transport.

To Seakem Oceanography Limited, Sidney, B.C., \$9,500, for "Development of a prototype inexpensive acoustic release." Awarded by the Dept. of Fisheries and Oceans.

To Nova Scotia Research Foundation Corporation, Dartmouth, N.S., \$5,007, for "Nearshore seismic reflection survey near Pte. Sapin, New Brunswick." Awarded by the Dept. of Energy, Mines and Resources.

To Dr. G. West, Dept. of Physics, University of Toronto, \$58,500, for "Continuation of further development and testing of the piezoelectric source - detector transducer system for borehole-to-borehole seismic logging over distances up to approximately one

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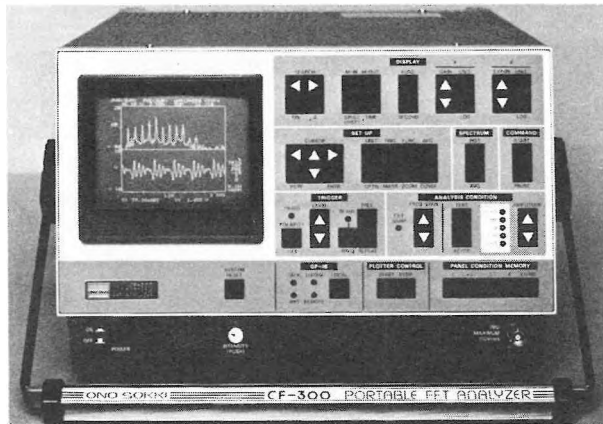
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kilometer." Awarded by the Dept. of Energy, Mines and Resources.

To Dr. S.G. Hutton, Dept. of Mechanical Engineering, University of British Columbia, Vancouver, B.C., for \$32,526, for "Study of vibration sources affecting mine workers." Awarded by the Dept. of Energy, Mines and Resources.

To Supratec Incorporée, Trois-Rivieres, Que., \$40,495, for "Ultrasonic holographic camera - phase II." Awarded by the National Research Council.

To Bolt, Berenak and Newman Incorporated, Cambridge, Mass., \$76,366, for "Research ship radiated noise, evaluation and control." Awarded by the Dept. of National Defence.

To Ontario Research Foundation, Mississauga, Ont., \$57,387, for "Development of a computer code for the prediction of failure of solid walls subjected to blast over-pressure." Awarded by the Dept. of National Defence.

To Netherlands Ship Model Basin, Wageningen, The Netherlands, \$130,018, to "Conduct performance, cavitation, and noise tests for a new propeller design for the DDH 280 class of destroyers." Awarded by the Dept. of National Defence.

ACOUSTICS SPECIALIST EDMONTON -

The Research and Consulting Branch is offering a position for a qualified individual interested in Building Acoustics. You will be working with private architectural and engineering consultants on a variety of Provincial facilities. Project involvement includes mechanical noise control, architectural acoustics, structural vibration control and noise assessment. Also, you will be conducting ongoing field and laboratory investigations for the purpose of evaluating and improving design standards. Qualifications: extensive related acoustic design experience. Degree in Engineering or Architecture with eligibility for membership in A.P.E.G.G.A. or A.A.A. Equivalencies will be considered.

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