

## EDITORIAL

With the publishing of the last 1982 issue of Canadian Acoustics, one is tempted to reflect a little on progress over the year. The name "CANADIAN ACOUSTICS", adopted January 1982, has become established as is the publication itself, now referred to internationally. Our thanks to the authors and referees for the high quality of the papers published. They also reflect the diverse nature of Canadian acoustics ranging from music to underwater sound and from noise control to acoustic reflex response.

We look now to the forthcoming Canadian Acoustical Association meeting in Toronto, October 20th, 1982, to help set the pace for 1983. CAA is heavily involved in preparations for the International Congress on Acoustics (ICA) meeting in Toronto in 1986. We will all have to work to make this a successful meeting and a useful one for Canada. One way you can help is by telling your colleagues about Canadian Acoustics. They may wish to subscribe too.

In addition to 3 seminars, October 18-20, the CAA business meeting October 20, and the CAA Symposium October 21-22, the CSA Committee on Acoustics and Noise Control is holding their annual meeting on Tuesday, October 19, beginning at 4:00 p.m. All interested parties are generally allowed to attend, and it is a most useful meeting for those with an interest in acoustics standards.

## NEWS

### ACOUSTICS COURSE IN SICILY

The International School of Physical Acoustics announces their 1st Course on "Fundamental Principles and Applications of Acoustic Waves", November 30 - December 10, 1982. The subscription fee, which includes board and lodging, is \$500(US). Closing date for applications is October 31, 1982. For more information contact (1) Prof. W.G. Mayer, Georgetown University, Washington,

## EDITORIAL

A l'occasion de la publication de ce dernier numéro de l'Acoustique Canadienne, l'on est tenté de réfléchir un peu sur le progrès accompli au cours de cette année. Le titre "ACOUSTIQUE CANADIENNE" a été adopté en janvier 1982, et l'on s'y réfère internationalement. Nous voudrions remercier nos auteurs et nos réviseurs de l'excellent travail qu'ils ont fait. Ce travail reflète la diversité de l'acoustique au Canada qui porte de la musique aux ondes ultrasoniques et du contrôle de bruit jusqu'à la réponse acoustique réflexive. Maintenant, nous attendons la prochaine Réunion Annuelle de l'Association Canadienne de l'Acoustique à Toronto le 20 octobre 1982 afin de nous préparer pour l'année 1983. L'ACA est en pleine activité pour la préparation du Congrès International sur l'Acoustique (CIA) à Toronto en 1986. Nous sommes invités tous afin de faire réussir ce congrès. Une façon de contribuer est de faire part à vos collègues de notre publication "Acoustique Canadienne". Peut-être sont-ils intéressés à s'abonner aussi.

En octobre 1982, les activités suivantes auront lieu: les trois séminaires du 18 au 20 octobre, la réunion d'affaires de l'ACA le 20 octobre et le symposium de l'ACA du 21 au 22 octobre. En plus le comité de l'ACN sur l'Acoustique et le contrôle de bruit tiendra sa réunion annuelle le mardi 19 octobre à partir de 16.00 h. La réunion est ouverte pour tous ceux qui s'intéressent aux standards acoustiques.

---

D.C., U.S.A. 20057 or (2) Prof. A. Alippi, Istituto di Acustica-CNR, Via Cassia, 1216, 00189, Rome, Italy.

### JOURNAL OF LOW FREQUENCY NOISE AND VIBRATION

This new journal is edited by Dr. H.G. Leventhall, University of London, U.K., and published by the Multi-Science Publishing Co. Ltd., 42145 New Broad Street, London, EC2M 1QY, U.K. The aim and scope of this new quarterly publication, Annual Subscription \$80.00(US), are as follows: -

The considerable and growing interest in the phenomena of low frequency noise and vibration and their powerful effects of man, animals, and the environment, spreads across several disciplines; studies and investigations of these topics are to be found at present in the periodical literature of acoustics, geophysics, architecture, civil and mechanical engineering, medicine, psychology and zoology.

The purpose of this quarterly Journal is to bring scattered material together between one set of covers for the benefit of those working in the relevant areas.

Topics that the Journal will include are: sources of infrasound, low frequency noise and vibration: detection, measurement and analysis; propagation of infrasound and low frequency noise in the atmosphere; propagation of vibration in the ground and in structures; perception of infrasound, low frequency noise and vibration by man and animals; effects on man and animals; interaction of low frequency noise and vibration: vibrations caused by noise, radiation of noise from vibrating structures; low frequency noise and vibration control: problems and solution.

Sample copies are available from the publishers upon request.

#### NEW RESEARCH CONTRACTS

To Dr. G.R. Branton, Dept. of Chemistry, University of Victoria, Victoria, B.C., \$9602, for "Development of a fibre-optic acoustic detector." Awarded by the Dept. of Fisheries and Oceans.

To Northern Seismic Analysis, Echo Bay, Ont., \$10,000, for "Analysis of Beaufort Sea seismograms". Awarded by the Dept. of Energy, Mines and Resources.

To Geophysical Service Incorporated, Calgary, Alta., \$74,800, for "Processing refraction seismic data". Awarded by the Dept. of Energy, Mines and Resources.

To J.A. McCallum, Medicine Hat, Alta., \$27,000, to "Develop the theory of blast wave propagation". Awarded by the Dept. of National Defence.

To Hunttec-Lapp Systems Limited, Scarborough, Ont., \$23,840, for "Feasibility study for motion sensing of a towed acoustic array". Awarded by the Dept. of National Defence.

To Atlantic Information Systems Limited, Ottawa, Ont., \$49,423, for "Instrumentation studies for ship noise reduction - phase II". Awarded by the Dept. of National Defence.

To Arrowsmith Computing Limited, Nanaimo, B.C., \$35,000, for "Development and implementation of procedures to analyse acoustical data". Awarded by the Dept. of Fisheries and Oceans.

To Dr. E. Jeffries, Faculty of Medicine, University of British Columbia, Vancouver, B.C., \$1000, for "Report on a seminar on vibration induced diseases". Awarded by the Dept. of the Environment.

To Dr. M.J. Clouter, Dr. H. Kiefte, Dept. of Physics, \$32,559, to "Study the acoustic properties of Structure I and II gas hydrates by Brillouin spectroscopy". Awarded by the Dept. of Energy, Mines and Resources.

To Hunttec-Lapp Systems Limited, Scarborough, Ont., \$20,170, for "Synthetic aperture sonar study". Awarded by the Dept. of National Defence.

To Norpak Limited, Kanata, Ont., \$248,207, for "Development of an integrated voice and graphic display terminal and related test bed compatible with Telidon". Awarded by the Dept. of Communications.

## POSITIONS WANTED

Electronic Engineer, P. Eng., with comprehensive research and development-oriented experience in acoustics and related areas, is looking for a challenging position in the field of air or underwater acoustics. Fluent in English, French, Russian, Italian, Dutch.

For complete resume and references, contact:

Philippe de Heering,  
22 Ferris Road,  
Toronto, Ontario.  
M4B 1G3

Tel.: (416) 759-0321

B.Sc in Psychology and Physiology  
B.A. (Hon.) in Psychology

Trained in Canada, with experience in interior environments analysis, major areas including; acoustics, illumination, thermal comfort, with some knowledge in radiation, vibration, energy, air quality, air circulation, and office layout and planning.

I have helped set out a standards and procedures manual in acoustics dealing with topics including; ambient noise, noise criteria, room absorption, noise reduction, transmission loss, standard transmission curve, articulation index, reverberation time, and sound masking.

For a complete resume and references, contact:

Anita Rosenfeld  
60 McLeod St., Apt. # 904  
Ottawa, Ontario  
K2P 2G1  
Canada  
Phone: (613) 232-7586

## POSITION WANTED

M.Eng. in Occupational Health & Safety

Industrial Hygienist is looking for a suitable position in the Occupational Health and Safety field. He holds a Masters of Engineering in Occupational Health and Safety as well as a Bachelors of Science in Physics Chemistry both from the University of Toronto

His experience over the past two years includes the prediction and control of work place noise in the design stages of a major electrolytic zinc reduction plant, the prediction of occupational health hazards and control measures for the same plant, noise surveys of power generating stations, noise dosimetry of the construction industry, ventilation studies, hazard assessment of asbestos, formaldehyde, heat stress, wood dust, etc.

For a complete resume and references contact

Paschal Dranitsaris  
57 Anewen Drive  
Toronto, Ontario  
M4A 1R9  
Telephone: (416) 757-0314

KARL OMAN is looking for a position with an environmental or experimental acoustics team. He is a McGill Architecture Graduate with Physics and Physiology Training (B.Sc., McGill), 2 years architecture experience, environmental and architectural acoustics training, with academic excellence. For further information please contact Mr. Oman directly at 558 16th Avenue, Lasalle, Québec, H8P 2S3 (telephone: 514-366-0399).