

MESSAGE FROM THE NEW PRESIDENT

To accept to be president of an association such as ours is to try to satisfy the aspirations of its members. In this regard, may I warmly congratulate Dave Chapman on your behalf for his effective contribution as president over the past two years. The vitality of the Association was clearly perceptible at the Toronto conference. Patient and generous work on the part of the organizers allowed more than 100 of us to share not only the results of research but also professional technical and, indeed, cultural preoccupations.

At the annual general meeting, several members expressed the desire to see the CAA become more involved in public affairs. This desire seems to me all the more appropriate when, in these times of great debate on problems of pollution, the acoustical environment is ignored, even though the stakes are high. Whether it be with respect to the lack of sensitivity to the risks and consequences of hearing loss due to noise exposure, problems of quality of life related to community noise, the accessibility of public places and services to hard-of-hearing persons, etc., the high stakes are obvious to acousticians.

I therefore support the aspirations of those members who want the CAA to increase its visibility and social relevance by becoming more involved with activities to increase public awareness of these problems. However, we must not simply improvise; it is by concentrating our resources and interests on priority questions that we will achieve our objective. In the first place, our visibility depends above all on the quality of our contributions to *Canadian Acoustics*. The invitation is urgent!

NOTE FROM THE EDITOR

On pages 17-26 of this issue are published five two-page summaries of papers presented during Acoustics Week in Canada 1993. They were received too late to be included in the September Proceedings Issue.

UN MOT DU NOUVEAU PRÉSIDENT

Accepter d'être président d'une association comme la nôtre signifie de tâcher d'être à la hauteur des aspirations de ses membres. A cet égard, je me fais votre porte-parole pour féliciter chaleureusement David Chapman pour sa contribution efficace comme président au cours des deux années passées. La vitalité de l'Association était bien perceptible lors du congrès de Toronto. Un travail patient et généreux de la part des organisatrices et organisateurs a permis à plus d'une centaine d'entre nous de partager non seulement des résultats de recherche mais aussi des préoccupations d'ordre professionnel, technique, voire culturel.

Lors de l'assemblée générale, plusieurs membres ont exprimé le désir de voir l'ACA s'impliquer davantage auprès du public. Cette volonté m'apparaît d'autant plus légitime qu'à l'heure des grands débats sur les problèmes de pollution, la question de l'environnement sonore fait figure de parent pauvre. Pourtant, ce ne sont pas les enjeux qui manquent en cette matière. Que ce soit le manque de sensibilisation aux risques de vie liée au bruit communautaire, la promotion de produits de consommation non bruyants, l'accessibilité des lieux et services publics pour les acousticiennes et acousticiens. Je souscris donc au souhait des membres qui veulent que l'ACA accroisse sa visibilité et sa pertinence sociale en s'impliquant davantage dans des activités de sensibilisation de divers publics. Mais, la mise en valeur de nos expertises exclut l'improvisation. C'est en conjuguant nos ressources et nos intérêts autour de questions prioritaires que nous parviendront à atteindre cet objectif. Dans l'immédiat, notre visibilité dépend surtout de la qualité de nos contributions à *l'Acoustique Canadienne*. L'invitation est pressante!

MOT DU RÉDACTEUR EN CHEF

Aux pages 17-26 de ce numéro sont publiés cinq sommaires de conférences présentées lors de la Semaine Canadienne d'Acoustique 1993. On les a reçus trop tards pour les inclure dans le Cahier des Actes du mois de septembre.

Blachford

"The ABC's of noise control"

H.L. Blachford's Comprehensive Material Choices

Noise treatments can be categorized into three basic elements: Vibration Damping, Sound Absorption and Sound Barriers.

Vibration Damping

It is well known that noise is emitted from vibrating structures or substrates. The amount of noise can be drastically reduced by the application of a layer of a vibration damping compound to the surface. The damping compound causes the vibrational energy to be converted into heat energy. Blachford's superior damping material is called **Aquaplas** and is available either in a liquid or a sheet form.

AQUAPLAS DL is a liquid damping material that can be applied with conventional spray equipment or troweled for smaller/thicker application.

It is water-based, non-toxic and provides economical and highly effective noise reduction from vibration.

AQUAPLAS DS is an effective form of damping material provided in sheet form for direct application to your product. Available with pressure sensitive adhesive for ease of application.

Sound Barriers

Sound Barriers are uniquely designed for insulating and blocking airborne noise. The reduction in the transmission of sound (transmission loss or "TL") is accomplished by the use of a material possessing such characteristics as high mass, limpness, and impermeability to air flow. Sound barriers can be a very effective and economical method of noise reduction.

Blachford Sound Barrier materials:

BARYFOL®

Limp, high specific gravity, plastic sheets or die cut parts. Can be layered with other materials such as acoustical foam, protective and decorative facings to achieve the desired TL for individual applications.

Sound Absorption

Blachford's **CONAFLEX** materials provide a maximum reduction of airborne noise through absorption in the frequency ranges associated with most products that produce objectionable noise. Examples: Engine compartments, computer and printer casings, construction equipment cabs, ...etc.

Available with a wide variety of surface treatments for protection or esthetics. Material is available in sheets, rolls and die-cut parts — designed to meet your specific application.

Suggest Specific Material or Design

Working with data supplied by you, or generated from our laboratory, **H. L. Blachford** will make engineering recommendations on treatment methods which may include specific material proposals, design ideas, or modifications to components. Recommendations are backed by documentation which can include written progress reports containing summarization of goals and results, conclusions, data, test procedures and background.

A Quality Supplier

The complete integration of:

- Experience
- Advanced engineering
- Quality-oriented manufacturing technology
- Research and development
- Problem solving approach to noise control

Result in:

**Comprehensive
Noise
Control
Solutions**

MISSISSAUGA
(416) 823-3200

MONTREAL
(514) 938-9775

VANCOUVER
(604) 263-1561