

## EDITORIAL

In this issue we have an article by Edgar Shaw on the acoustics facility in the division of Physics at National Research Council, Ottawa. This is the first in a series of articles on acoustics facilities in Canada. We hope in this way to inform our readers of the diverse pool of acoustics expertise in Canada and at the same time give some historical background. A forthcoming issue will carry an article on the noise and vibration facility in the division of Building Research at National Research Council.

In addition, your attention is drawn to the paper by Raymond Hetu entitled "Pourquoi effectuer des examens audiométriques en usines bruyantes" (Why conduct audiometric tests in noisy industries). The author particularly requests feed-back and comments on this paper (in French or English). We urge that all of you in the field that can read French oblige.

NOTE: We have a new address for subscriptions, see page 52.

## EDITORIAL

Dans ce numéro paraît un article par Edgar Shaw sur le Laboratoire de L'Acoustique, Division de physique, Conseil national de recherches, Ottawa. Cet article est le premier d'une série d'articles sur des Laboratoires de L'acoustique au Canada. Nous espérons que cette série nous permet de renseigner nos lecteurs sur les diverses activités en acoustique à travers le Canada et d'exposer quelques faits historiques sur ces laboratoires. Prochainement, nous

publierons un article sur le Laboratoire du Bruit et des Vibrations, Division du Batiment, Conseil national de recherches, Ottawa.

En plus, nous aimerions attirer votre attention à l'article intitulé "Pourquoi effectuer des examens audiométriques en usines bruyantes", par R. Hétu, publié dans ce numero. L'auteur est particulièrement intéressé à recevoir des commentaires en anglais ou en français.

NOTE: Nous avons une nouvelle adresse pour L'abonnement, voir page 52.

## NEWS

### HAND-ARM VIBRATION SYMPOSIUM

The Third International Symposium on Hand-Arm Vibration is to be held in Ottawa from May 18-20, 1981, at the Chateau Laurier Hotel. The Symposium will be concurrent with the 101st meeting of the Acoustical Society of America. The Symposium will provide an international forum for the presentation and discussion of recent research on all aspects of hand-arm vibration, and will be the first on this subject in Canada. Its purpose is to clarify the risks associated with existing power tools, to assist the formulation of exposure limits and design goals for future tools, to improve measurement techniques and to stimulate further research. Approximately 50 papers on all aspects of Hand-Arm Vibration have been contributed.

Registration commences on Sunday, May 17, 1981, at 4:00 p.m. and Technical Sessions commence on Monday, May 18, 1981, at 9:00 a.m.

The registration fee is \$75.00. To obtain a copy of the final programme please contact: - A.J. Brammer, Division of Physics, National Research Council, Montreal Road, Ottawa, Ontario, K1A 0R6. Telephone (613) 993-2840.

INTERNATIONAL CONGRESS ON ACOUSTIC INTENSITY MEASUREMENT - CALL FOR PAPERS

C.E.T.I.M. (Centre Technique des Industries Mécaniques Senlis) has issued a Call for Papers for the "International Congress on Recent Developments in Acoustic Intensity Measurement", to be held in Senlis, France, September 30 to October 2, 1981. The Scope of the Congress is as follows: - "In all conventional measurement techniques energy flow is inferred from pressure (as to contrast with intensity) but the advent of new techniques now allows the direct measurement of energy flux. The principle of acoustic intensity measurement has been known since half a century but realization of practical instruments has taken place significantly only in the last decade because of recent innovation in electronics. The application of these techniques includes sound power calculation, source localization, transmission loss determination, etc. The aim of this congress is to stimulate the exchange of ideas among research workers as well as to give information to potential users." All correspondence should be directed to M. Bockhoff, C.E.T.I.M., B.P. 67, F60304, Senlis, France. Tel: (4) 453-32-66.

CONGRES INTERNATIONAL DANS LA MESURE DE L'INTENSITE ACOUSTIQUE

C.E.T.I.M. (Centre Technique des Industries Mécaniques Senlis) a publié un Appel aux Communications pour le "Congrès International sur Les Progrès Récents dans la Mesure de L'Intensité Acoustique", Il se tiendra à Senlis, France, le 30 septembre au 2 octobre, 1981.

L'objectif du Congrès est le suivant: - "Dans les méthodes classiques de mesure l'énergie acoustique est généralement déduite de la pression acoustique (au lieu de l'intensité); l'apparition de nouvelles techniques permet maintenant d'accéder directement au flux d'énergie. Le principe de la mesure directe de l'intensité acoustique est déjà connu depuis un demi-siècle, mais les progrès dans la miniaturisation des composants électroniques ont permis, depuis environ 10 années seulement, de réaliser les premiers appareils opérationnels. Parmi les applications de ces techniques, on peut citer notamment : la détermination de puissance acoustique, la localisation de sources, la mesure de l'indice d'affaiblissement acoustique. Le but de ce congrès est double : donner aux spécialistes la possibilité d'échanger leurs connaissances et informer les utilisateurs potentiels de l'industries. Pour tous renseignements, s'adresser à : M. Bockhoff, C.E.T.I.M., B.P. 67, F60304, Senlis, France, Tel : (4) 453-32-66.

NOISE POLLUTION PUBLICATIONS - ABSTRACTS

This monthly abstracting index to the World's English language literature on noise pollution, noise abatement and control, and noise pollution effects, is now being published (Vol. 1, no. 1, January 1981). It is available at a yearly subscription rate for 12 monthly issues of \$100 (U.S.), from 12614 E. Park Street, Cerritos, California 90701, U.S.A. The editor is Richard L. King.

NEW RESEARCH CONTRACTS

To Scannar Limited, Cornwall, Ont., \$27,000 for "Development, design, fabrication and testing of a sonar transducer for gated doppler current meter to be used for oceanographic research". Awarded by the Department of Fisheries and Oceans.

#### NOISEXPO '81

Noisexpo '81, the National Noise and Vibration Control Conference and Exhibition will be held at the Hyatt Regency O'Hare, Chicago, Illinois, April 6-9, 1981. For further information phone (216) 835-0101.

#### M.I.T. SUMMER SESSIONS

The Massachusetts Institute of Technology is running 2 summer sessions on acoustics. One is "Fundamentals of Noise and Vibration Control", June 22-26, 1981, Tuition \$900 (U.S.). The other is "Foundations of Engineering Acoustics", August 10-21, 1981, Tuition \$1,250 (U.S.). For further information contact the M.I.T. Office of the Summer Session, Room E19-356, M.I.T., Cambridge, Mass. 02139, U.S.A. Telephone (617) 253-2101.

#### 1981 IEEE ULTRASONICS SYMPOSIUM

The Sonics and Ultrasonics group of the Institute of Electrical and Electronic Engineers, Inc., has issued a Call for Papers for the 1981 IEEE Ultrasonics Symposium to be held at the McCormick Inn, Chicago, Illinois, October 14-16, 1981. The deadline for the receipt of Abstracts is June 15, 1981. For further information contact William D. O'Brien Jr., Bioacoustics Research Lab, University of Illinois, Urbana, Illinois, 61801, U.S.A.

#### 11th I.C.A. ANNOUNCEMENT/ L'ANNONCE DE L' 11ème C.I.A.

The 11th International Congress on Acoustics will take place in Paris, France, during the month of July 1983. The congress will cover all fields of acoustics and will be preceded and followed by Satellite Symposia, organized in various cities such as Lyon, Marseille, Toulouse./ Le 11ème Congrès International d'Acoustique se tiendra en France, à Paris, dans le courant du mois de juillet 1983 et il couvrira tous les domaines de l'Acoustique. Il sera précédé et suivi de Colloques Satellites qui seront organisés dans diverses grandes villes telles que Lyon, Marseille, Toulouse.

For more detailed information write to the following address: 11ème Congrès International d'Acoustique, Secrétariat du Groupement des Acousticiens de Langue Française (G.A.L.F.), C.N.E.T. - B.P. 40, 22301 Lannion cédex (France).

#### NOISE-CON 81

Applied noise control technology is the theme of Noise-Con 81, the fifth National Noise Conference sponsored by the Institute of Noise Control Engineering/USA and North Carolina State University. Noise-Con 81 will be held 8 through 10 June 1981 at the Jane S. McKimmon Center for Extension and Continuing Education on the campus of North Carolina State University, Raleigh, North Carolina. The technical program will emphasize the practical application of noise control in general industry and advances in noise control by traditional methods. An opening plenary session on the current status of

noise control regulations and a session on community noise problems and solutions will also be included.

For further information write: Noise-Con 81, North Carolina State University, Division of Continuing Education, Post Office Box 5125, Raleigh, North Carolina 27650, Attn: Alice Strickland, Telephone: (919) 737-2261.

The Noise-Con Seminar, a special course on the fundamentals and applications of noise control technology, will be held prior to Noise-Con 81, from 4 through 6 June 1981, at the Mission Valley Inn and Conference Center in Raleigh, North Carolina. For further details write: Noise-Con Seminar, Institute of Noise Control Engineering, Post Office Box 3206, Arlington Branch, Poughkeepsie, New York 12603, Telephone: (914) 462-6719.

#### INTERNATIONAL INCE NEWS

Dr. Eric Rathe has resigned from the position of Secretary-General of I/INCE after 6 active years in the position. Professor H. Myncke has taken his place as Secretary-General. He will be assisted by Dr. A. Cops who has become editor of the I/INCE newsletter.

#### INTERNATIONAL STANDARDS WORKING GROUP MEETING TO BE HELD IN OTTAWA

Meetings of 4 International Standards Organization (ISO), and 1 International Electrotechnical Commission (IEC), Working Groups are scheduled to be held in Ottawa, May 25-29, 1981, following the spring meeting of the Acoustical Society of America. These meetings consist of small groups of technical experts from

various countries who work together under the direction of a working group convenor to formulate draft international standards. These draft standards are then circulated for comment and voting by each international member country. The meetings are by invitation. A list of the titles of the groups' meeting and their Canadian participants follows:

ISO/TC43/SC1/WG1 - "Threshold of hearing", R.B. Johnston, Electromedical Instrument Co., Box 940, Oakville, Ont., L6J 5E8, Tel: (416) 845-8900.

ISO/TC43/SC1/WG3 - "Audiometry", R.B. Johnston, Electromedical Instrument Co., Box 940, Oakville, Ont., L6J 5E8, Tel: (416) 845-8900.

ISO/TC43/SC1/WG18 - "Environmental Noise", H.W. Jones, Engineering Physics Dept., Dalhousie Univ., Halifax, N.S., B3H 3J5, Tel: (902) 424-2344.

ISO/TC43/SC1/WG19 - "Occupational Noise", D.A. Benwell, Health and Welfare Canada, Rm. 233, E.H.C., Tunney's Pasture, Ottawa, Ont., K1A 0L2, Tel: (613) 995-9801.

IEC/SC29C/WG17 - "Mechanical Coupler for Calibration of Bone Vibrators", No Canadian participant.

## JOBS WANTED

JERZY METELSKI is looking for a position in the field of acoustics and vibrations. He has a Ph.D. in mechanics from the Institute of Fundamental Technological Research (Warsaw) and a M.Sc. in electroacoustics from Warsaw Technical University. Experience in industrial noise and vibration analysis and control with particular emphasis on impulse and impact noise. Familiar with computer data processing. He has conducted and supervised many acoustical consulting projects in different branches of industry: metallurgy (foundry), automobile, chemical. Please contact applicant directly, c/o Mr. C. Zawitkowski, 511 The West Mall, #1411, Toronto, Ont., Tel: (416) 622-9628.

VLASTIMIL CHVOJKA is looking for a suitable position in acoustics. He has a degree in electrical engineering from the Czech Technical University of Prague and the equivalent of a Ph.D. in science education from Vuzork, an audio-visual research institute in Prague. The subject of his thesis was "Modelling of Traffic Noise Propagation", and in the course of this work he designed and constructed a measuring laboratory for modelling traffic noise in the scale 1:40. For further information please contact Mr. Chovka directly, c/o B. Krivsky, Res. Trocadero, 10 sq. Poussin, Parly-2, 78150, Le Chesnay, France.

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