



SCIENCE DIMENSION

VOLUME 16, NO. 4, 1984.

Editor Wayne Campbell
Managing Editor Joan Borsu
Art Editor Jean L. Richard
Art Production Carisse Graphic Design Ltd.
Printed in Canada by Dollco Printing

31159-4-0011

Interview 2

Letters 4

Capsules 6

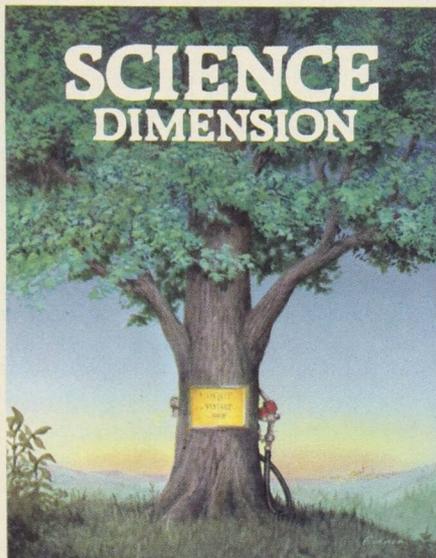
An Electron Halo At Work 10
The Canadian Synchrotron Radiation Facility

The Roots Of Obesity 14
A metabolic malfunction?

Putting a Tree In Your Tank 19
Breaking wood down to alcohol

Under The Volcano 25
Troubleshooting steel's infernal ways

Suzuki 30



John Bianchi

OUR COVER

Artist John Bianchi's vision of a future in which automobiles run on renewable 'biofuels' may not be that far away. On page 19, writer Madeleine Vaillancourt looks at the work of a chemical engineer at the Université de Sherbrooke who wants to make gas from cellulose a commercial reality.

Science Dimension (ISSN 0036-830X) is published six times a year by the Public Relations and Information Services of the National Research Council of Canada. Material herein is the property of the copyright holders. Where this is the National Research Council of Canada, permission is hereby given to reproduce such material providing an NRC credit is indicated. Where another copyright holder is shown, permission for reproduction should be obtained from that source. Enquiries should be addressed to: The Editor, *Science Dimension*, NRC, Ottawa, Ontario, Canada, K1A 0R6. Tel. (613) 993-3041. Indexed in the Canadian Periodical Index. This publication is available in microform. Cette publication est également disponible en français et porte le nom de *Dimension Science*.