

## Canada makes marvellous music at MUSIKMESSE 85



Electric violin from Raad Instruments is the first in the musical world to offer undistorted amplified acoustic violin sound.

Canada's musical products industry, renowned for its development of new and innovative quality equipment that is marketed both in the country and internationally, will be represented at MUSIKMESSE 85 in Frankfurt, Federal Republic of Germany, from February 9 to 13, 1985, by a number of firms offering a wide range of products.

Twelve leading musical product companies will display their products that include power amplifiers and sound equipment, hand-made instruments including violins, acoustic and electric guitars, recorders,

flutes, musical accessories and publications.

Among the new products is the world's first electric violin. Designed and developed by Raad Instruments Inc. of Toronto, Ontario, the violin maintains the rich characteristics found in quality acoustic violins and allows the player complete control of texture, intonation and articulation. The violin integrates a novel tone-producing element with an advanced transducer system to give a rich sound quality free of distortion. Shaped like a graceful Renaissance instrument, it is also functional with easy access to all registers.

The voice, scope and compatibility of the Raad give it the necessary versatility for jazz, rock, pop, country, classical and contemporary forms of music.

Pitchrider 2000 is another new Canadian development. Developed by IVL Technologies of Victoria, British Columbia, the innovative microprocessor-based device instantly recognizes notes played by any musical instrument and feeds this data in standard MIDI format to a synthesizer or computer. This allows any instrument to "drive" accom-

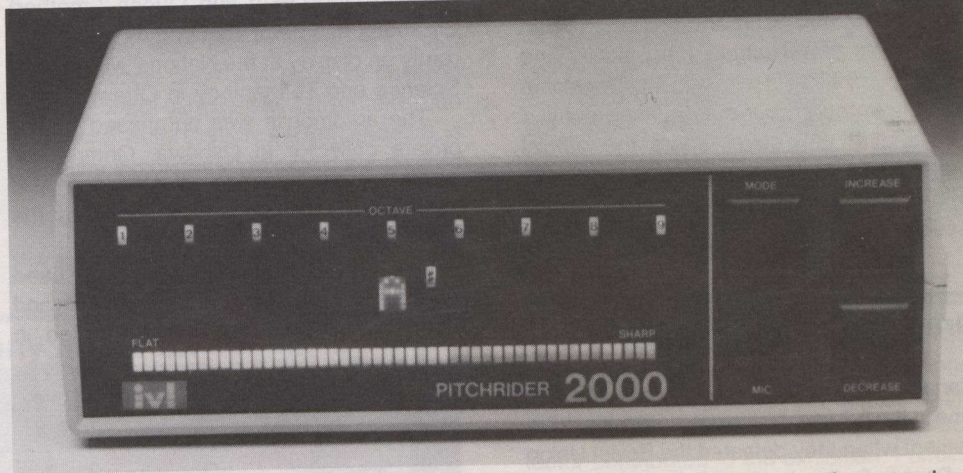
paniment on a MIDI-equipped synthesizer. The Pitchrider 2000 tracks the melody precisely and with imperceptible delay generates the accompaniment on the synthesizer.

This capability also makes the Pitchrider 2000 attractive for individual musicians to aid them in intonation training. Pitchrider 2000 sends both visual and audible signals to provide instantaneous and continuous feedback on pitch errors while the musician is playing scale exercises or a piece of music.

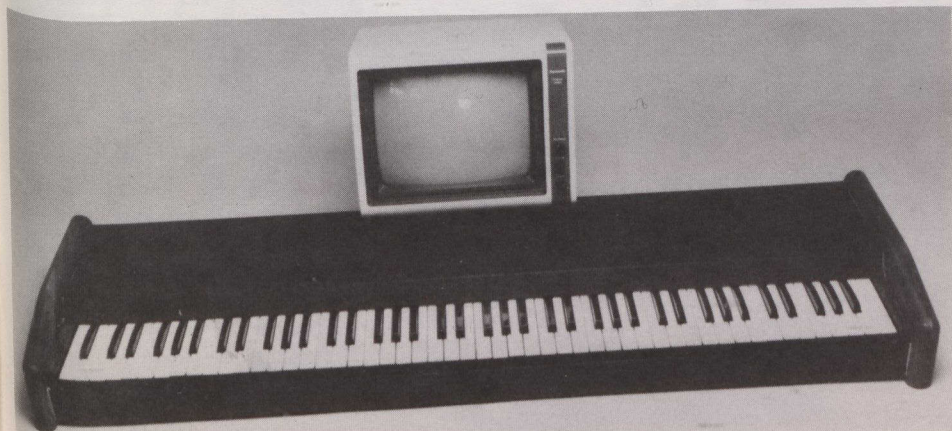
Syntronics/542435 Ontario Limited of Toronto, Ontario, is recognized as a leader in computer music instruments. The new IMP digital interactive music processor represents a further development of the company's McLeyvier computer-based synthesizer introduced in 1981.

Music that is played on the IMP keyboard can be reproduced in full score on its video screen. Using the instrument's text editing system, the composition then can be modified to the composer's satisfaction. A print-out of any finished piece of music composed on the IMP is available on hard copy suitable for publication.

A Portable Professional Synthesizer which



IVL Technologies' Pitchrider 2000 is a pitch identification device that instantly recognizes notes played by any musical instrument.



A new generation computer music instrument by Syntronics/542435 that offers reproduction of a full score on the video screen.

is a smaller version of the IMP, has also been developed by Syntronics. It is a 16-channel polyphonic with lightweight keyboard and a separate key-pad, and has a built-in sequencer which will retain musical sessions on a floppy disk.

Canada's musical products industry has grown steadily in both domestic and export sales. The recent annual average growth is 15 per cent. Total 1983 production is estimated at over \$50 million (Cdn) with about \$25 million shipped abroad, mostly to the United States and Europe.

The manufacturing sector of the industry consists of approximately 70 firms most of which are small in size and specialize in a particular segment of the musical industry.