

# Music lovers love disc sound

Starting this year, music lovers will be playing a different kind of "record" on a special player. The event marks as significant an advance over the conventional stereo LP, as the 33-1/3 rpm record was over the 78. The compact disc, known as CD or DAD (digital audio disc), is an application of state-of-the-art digital technology to the task of record playing.

There are several advantages to the new technology. An hour of music can be played on a single side (one side is recorded) of one disc, allowing for uninterrupted play of most musical works. But the most significant advantages are in the areas of sound.

Don Palmquist, executive vice president of Yamaha Electronics Corporation, a leading manufacturer of quality stereo equipment, notes, "With compact disc technology, a listener no longer hears the snaps, crackles and pops he's used to from conventional records. Therefore, there are no distractions from the musical experience itself. Another important benefit is the longevity of the disc's superb sound. The 100th playing sounds as good as the first. The contactless laser system used to 'read' the disc does not wear it out the way a stylus wears out a standard record. A compact disc is also more resistant to dam-

age than records we're used to. Most fingerprints and scratches will not impair the sound quality."

Several years ago, digital techniques began to be used in recording the masters from which conventional "black vinyl" discs are made. However, the compact disc and CD player embody the first digital record and playback disc system. Sound is transmitted into a series of binary code numbers for recording and the code is implanted in a grooveless, laser-read, 4.7 inch disc and retranslated by the compact disc player into music.

What's the catch? Well, there is one—for the time being. The price of both discs and players is, for the moment, high. CD records are selling for between \$18 and \$25, with players selling in a range from \$800 to \$1400. However, prices are expected to fall

as more players and discs are marketed.

The players are more than a new type of turntable. Programming to play a sequence of music "bands" in the order a listener desires is standard now, but some players can do much more. The Yamaha unit, for instance, not only has a readout for the band selected, but also a "real time" counter for precise timing of selections. A "phrase playback" feature allows the user to play any given section of a piece. The equivalent of the record platter slides out and back at the touch of a button. Another button activates a slide tray for selection controls.

While the price is currently high, the promise is that within a short time most music lovers will not only be listening to new discs on new machines, but also getting more enjoyment from the music.

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## Gardners easy to buy gifts for

A wide array of gardening equipment and accessories, as well as interesting reading material is available, making Christmas gift shopping for the gardener easy, says Tony Hogerorst, rural organizations co-ordinator (Ontario Horticultural Association) with the Ontario Ministry of Agriculture and Food's rural organizations and services branch.

Some interesting gift ideas you could consider include a pair of garden shears, books on gardening, hanging baskets, decorative pots or a watering can. A small compressed air sprayer or hose-end sprayer would be useful in controlling insects and some diseases. These sprayers can also be used to apply fertilizer solutions to correct plant nutrient deficiencies, he says.

Soil test kits can be purchased to help the gardener analyze the garden soil's fertilizer requirements.

"Take a look around your local garden centre. You'll find plenty of ideas for the gardeners on your Christmas list."

## Hobbies appeal

Hobby gifts will be more welcome than ever this Christmas, thanks to the leisure time that more and more Canadians are enjoying.

There are a wealth of hobby gifts to choose from, designed for beginners or experts alike.

From stamp collecting to embroidery, hobbies appeal to all ages and all types. Check your local craft or hobby shop for appropriate pursuits that will interest those on your list.

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 And all through the town  
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**Deadline for entries  
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**Enter the Economist and Sun/Markville  
 Christmas Story Contest**

Resident Elf Francis King invites all you budding Dickensians to enter the first Annual Economist and Sun/Markville Christmas Story Contest. This is your golden opportunity to dust off the old Underwood, put pen to paper and wax poetic. For your trouble you could win the personal satisfaction of seeing your effort in print in the Economist & Sun, or the pecuniary satisfaction of a \$50 gift certificate from the merchants at Markville. Simply follow the rules below and mail or deliver your entry to the Economist & Sun at 72B Main St. N., Markham, before the entry deadline. Good luck and good writing.

**Rules:**  
 1. Contest is open to everyone in three categories - 12 and under, 13-17 and adult (18 or over)  
 2. Maximum length of each story must be: 12 and under - 1,000 words; 13-17 - 1,500 words; 18 and over - 2,000 words  
 3. Stories must incorporate Christmas or the Festive Season into their storylines, but need not deal with a Christmas related topic.  
 4. All entries must be original and should be submitted no later than Wednesday Dec. 7 at 5 p.m.  
 5. Decision of the Judges is final. Entries will be judged on originality, interest and entertainment value.

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