

of trees and shrubs through subsidized planting at \$40/acre.

- **Conditions which would apply to 20 metres buffer zone:**
Required where slope is less than or equal to 9% and row crop or two or more successive cereal crops are planted; all conditions which apply to 10 metre zone; exception would be allowed where approved soil management plan is being implemented.
- **Conditions which would apply to 30 metres buffer zone:**
As above except for slope >9%.
- The provincial government initiate the development of watershed improvement committees with funding limited to those that include farmers and shellfish operators.
- The EPA be amended no sooner than April 1, 1999 so that **intensive livestock operations** are restricted as follows:
 - Runoff must be prevented from entering a watercourse by berm or physical barrier or diversion into a holding facility;
 - For all new operations and, where possible, for existing operations, create a 20 m buffer on 9% or less slopes and 30 m on greater than 9% slopes.
- The provincial government offer incentives equal to 85% of the cost of the systems to prevent contamination of watercourses by animal wastes;
- **Forested riparian zones be protected** under the EPA and that amendments come into effect as soon as possible to:
 - Preserve 20 m riparian zones in slopes 9% or less and 30 m zones in slopes over 9% through no conversion to other purposes, prevention of broadcast herbicide application, no ditch runouts within 10 m + 1.5 times the slope percent, no soil exposure except for tree planting and permitted stream crossings, no heavy equipment within 10 m and harvesting restricted to 1/3 of basal area each 10 years.
- The introduction of legislation be delayed until fall 1998 session of Legislative Assembly and the necessary amendments to the EPA be introduced at that time.

ITS ALL IN THE SONG:

by J. Dan McAskill

For many years, voice prints have been used to identify human beings. This type of electronic analysis has also been used successfully to identify individuals in other species. Up until now, the only way to identify Piping Plovers was to band them. This means capturing the individuals and the process causes stress to the individual birds.

The ability to identify individual Piping Plover and to track their movements would be a real advantage in determining whether we're losing local birds to more southern parts of the range or whether there is a different death rate in various parts of the range. Dr. Ted Miller was able to use sonograms (voice prints) to distinguish individuals of another species of plover. Dr. Miller will supervise a masters student at Memorial University, Mr. Ha Cheol Sung, in the collection and analysis of various calls of the