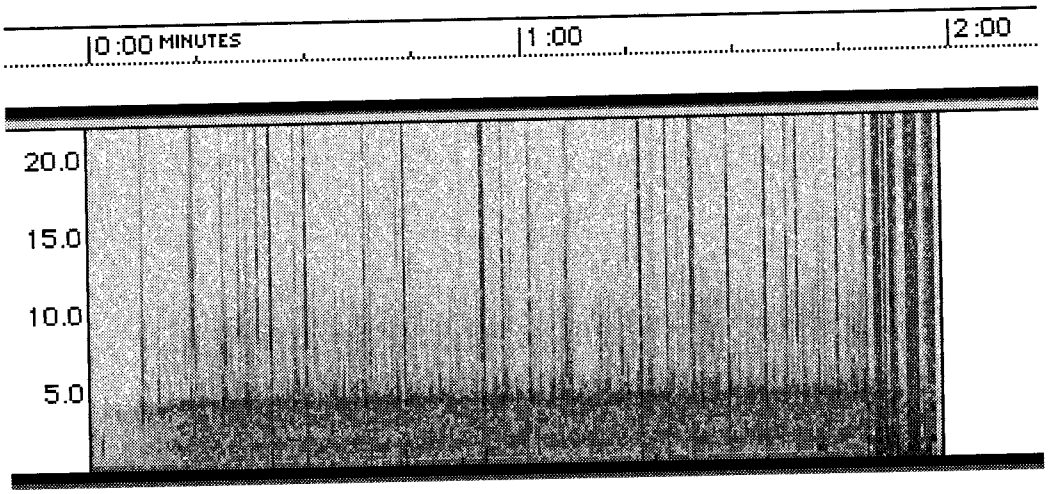
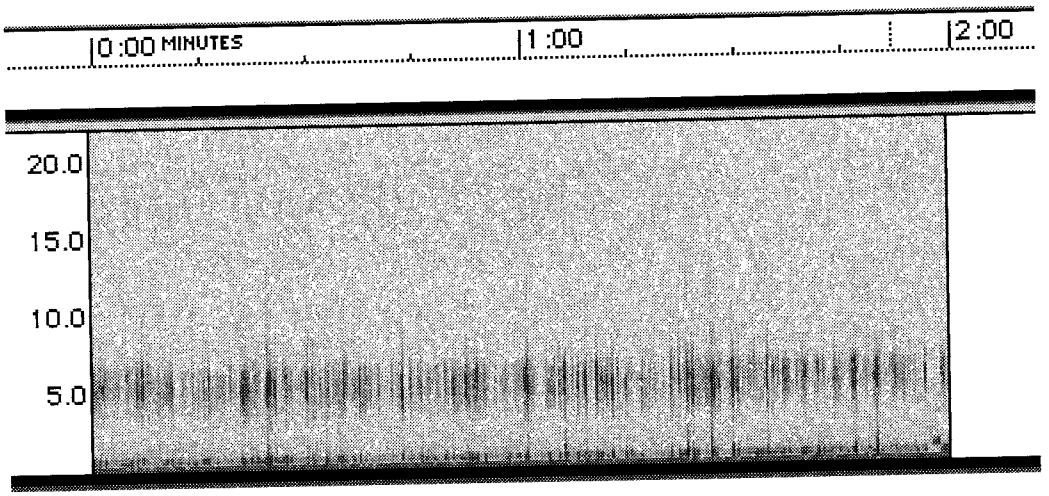
For analysis purposes, a spectrogram was made of the first two minutes of each 12-minute hourly session. Additional spectrograms were made of any items of interest and of any segments requested by the observer. Time marks were placed on the tape every two minutes and a complete log was made of each session.

4/24/99 1300 UT

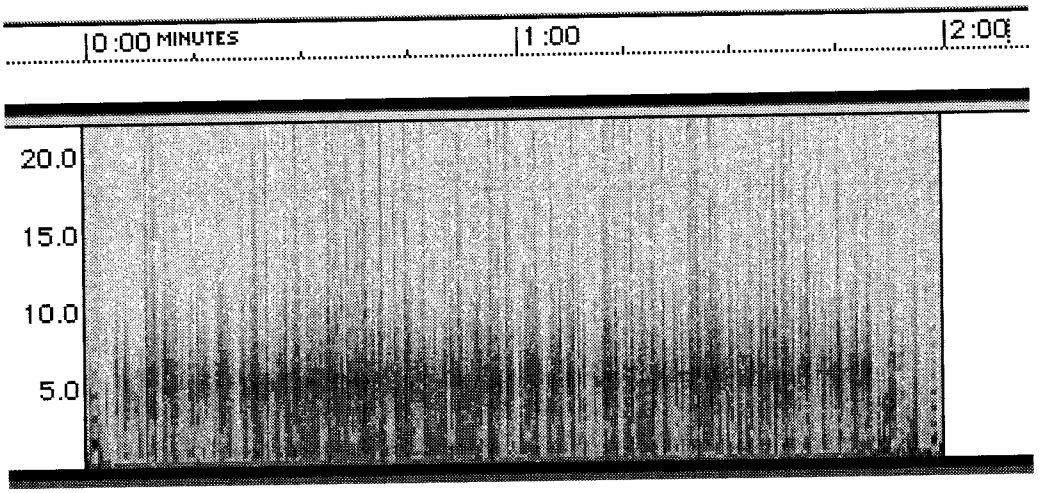


Team 11 Mark Mueller Brown Deer High School, Brown Deer, WI
Dense sferics with very little hum. Good data!

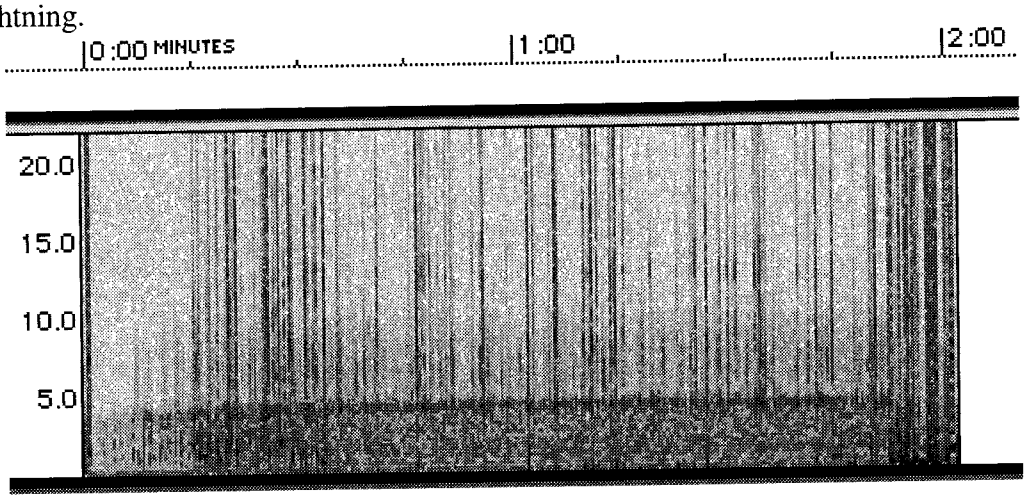


Team 25 Norm Anderson, Cedar Falls, IA
Receiver response strong below 7 kHz. Good sferics.

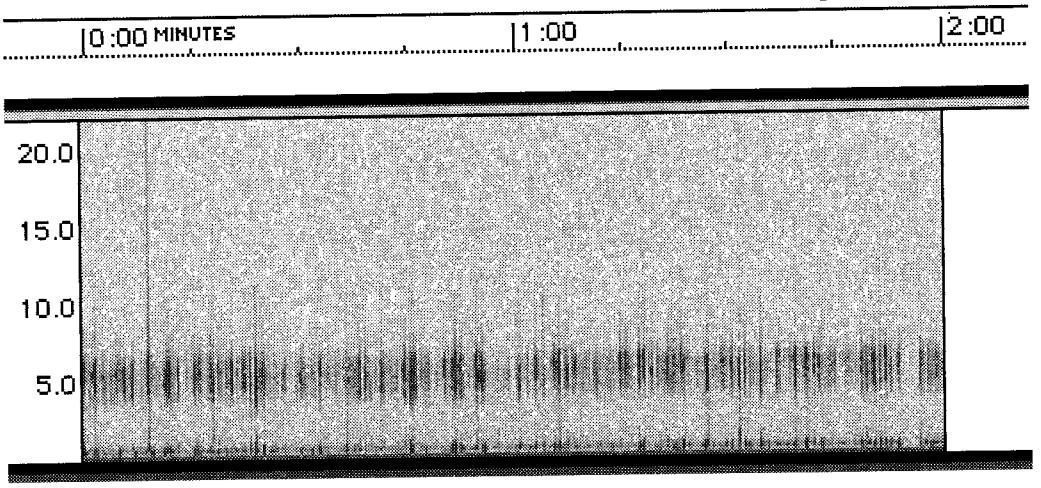
4/24/99 1400 UT



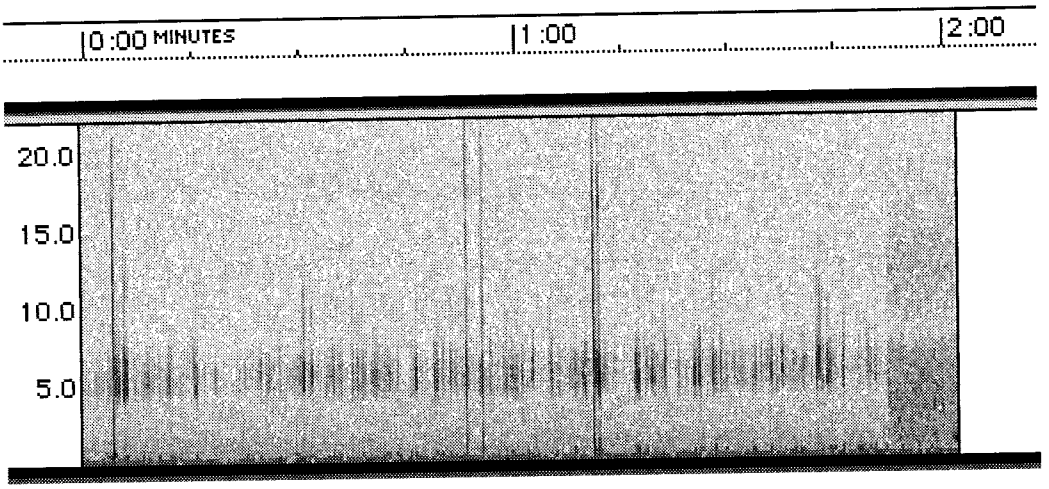
Team 1 Jack Lamb, Belton, TX
Lots of "local" lightning.



Team 11 Mark Mueller Brown Deer High School, Brown Deer, WI
Dense sferics with very little hum.

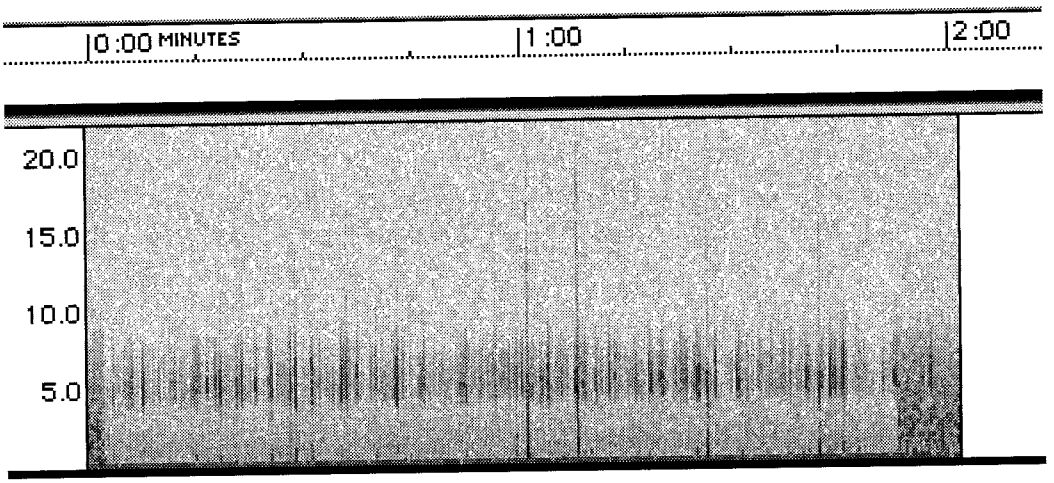


Team 25 Norm Anderson, Cedar Falls, IA

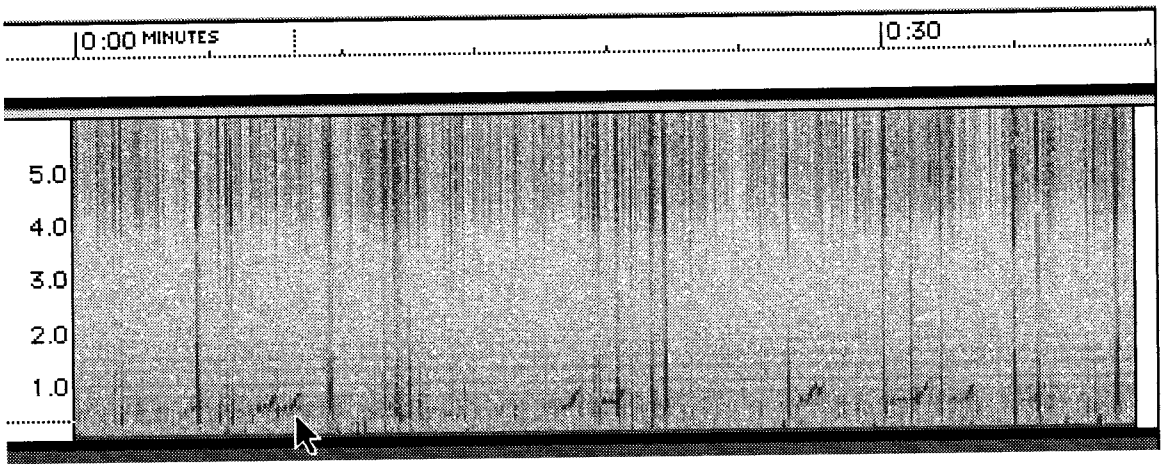


Team 30 Linden Lundback, Watrous, Saskatchewan, CANADA
Good sferics. Several low-level, breathy whistlers were heard, but did not show up on the spectrogram.

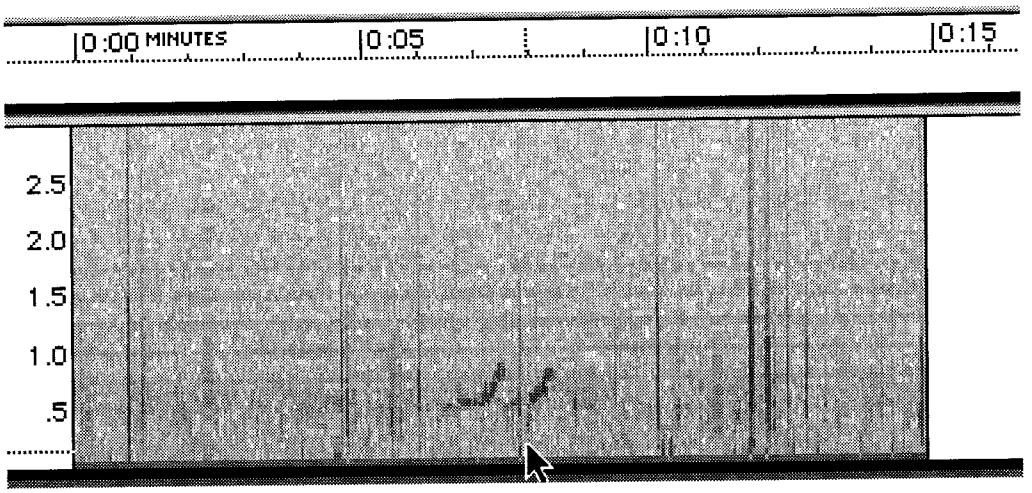
4/24/99 1600 UT



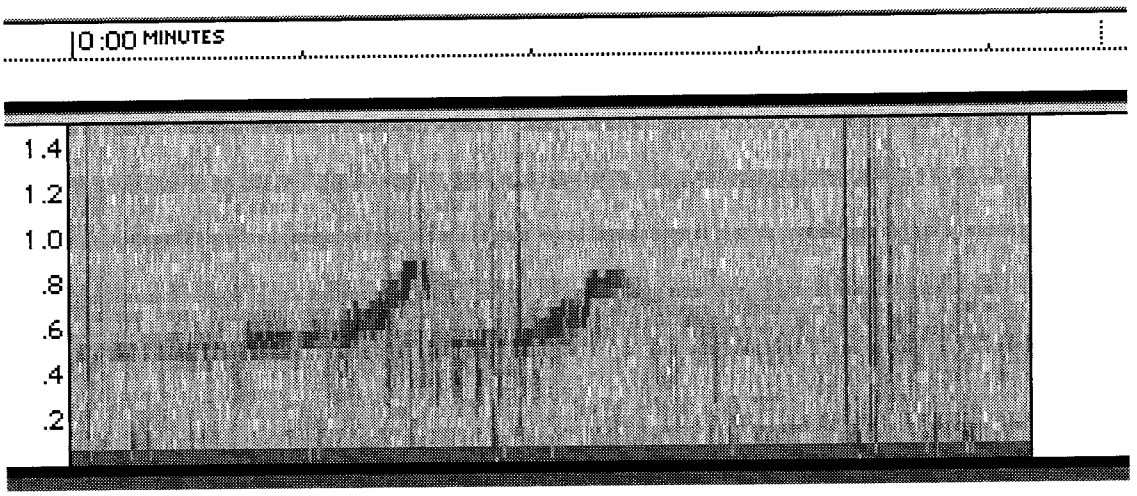
Team 30 Linden Lundback, Watrous, Saskatchewan, CANADA
This data contained risers or "whoops", which are similar to chorus.



This is 40 seconds starting at 160420 UT. The arrow points to a pair of whoops, but many others show up during this interval. They reside below 1 kHz and would be hard to hear if the site were not so quiet!

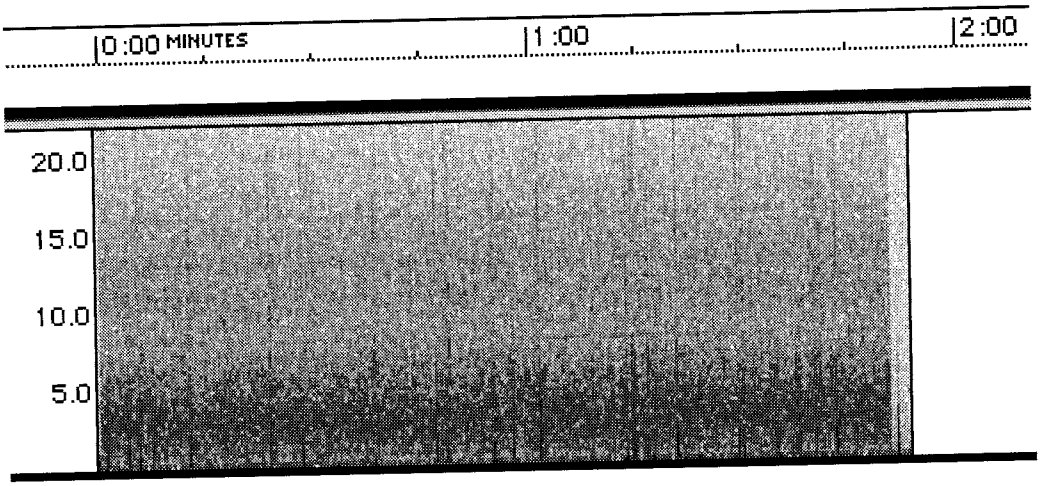


Frequency range 0-3 kHz.

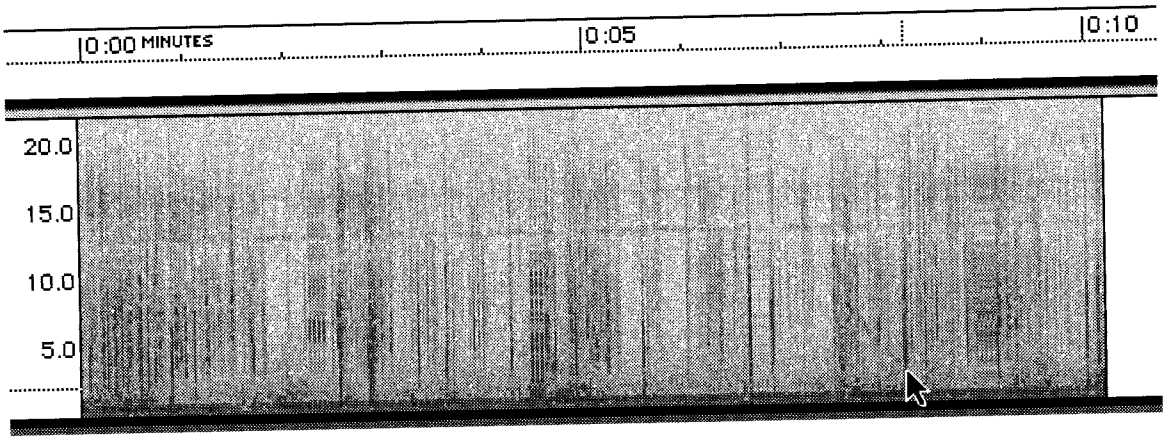


Extreme closeup using 0-1500 Hz range. Very neat!

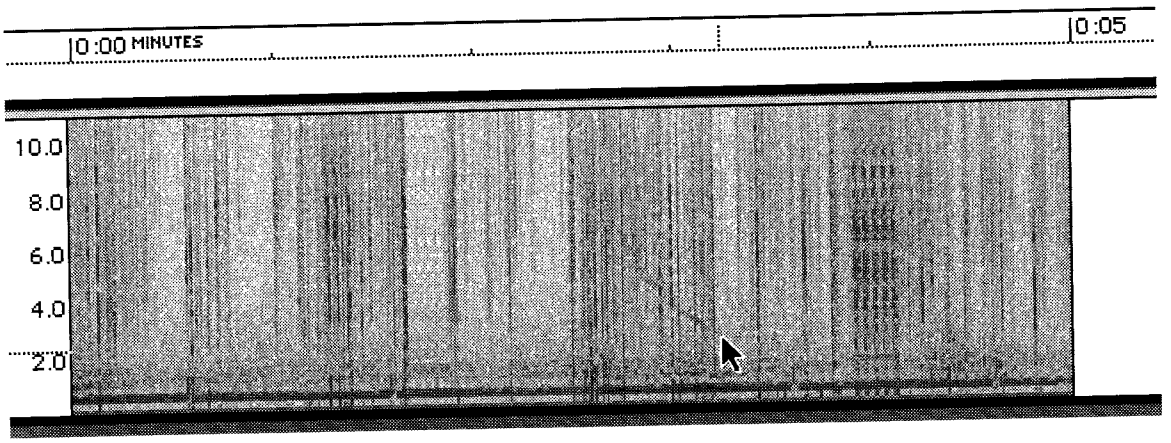
4/25/99 1200 UT



Team 5 Jean-Claude Touzin, St. Vital, Quebec, CANADA
Dense sferics with hiss.

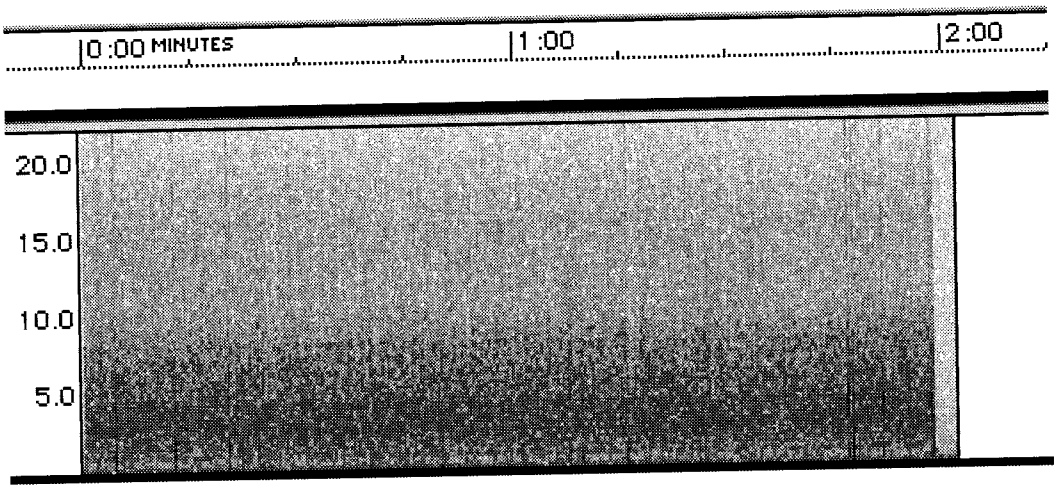


Team 32 Shawn Korgan, Gilcrest, CO
Arrow points to a pure note whistler at 12:06:09 UT.

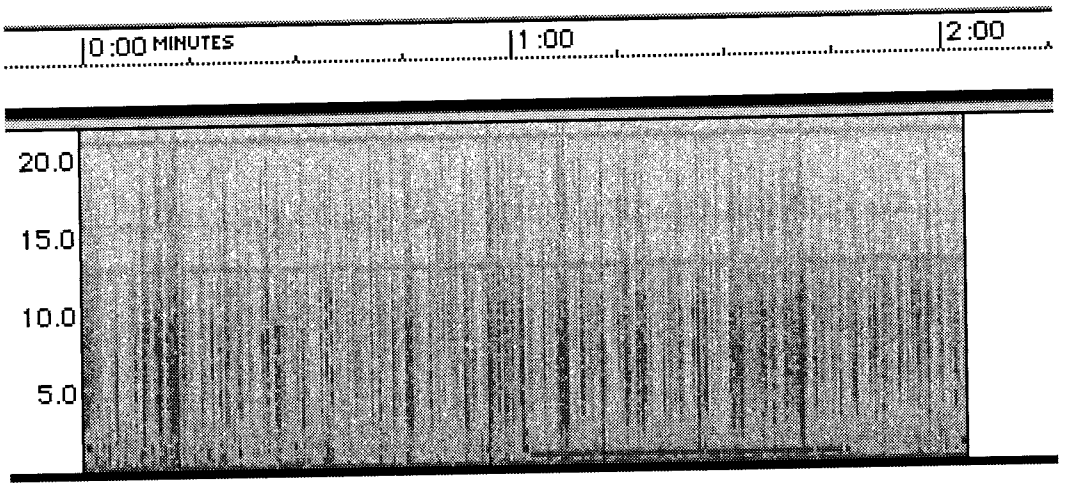


Arrow points to the whistler.

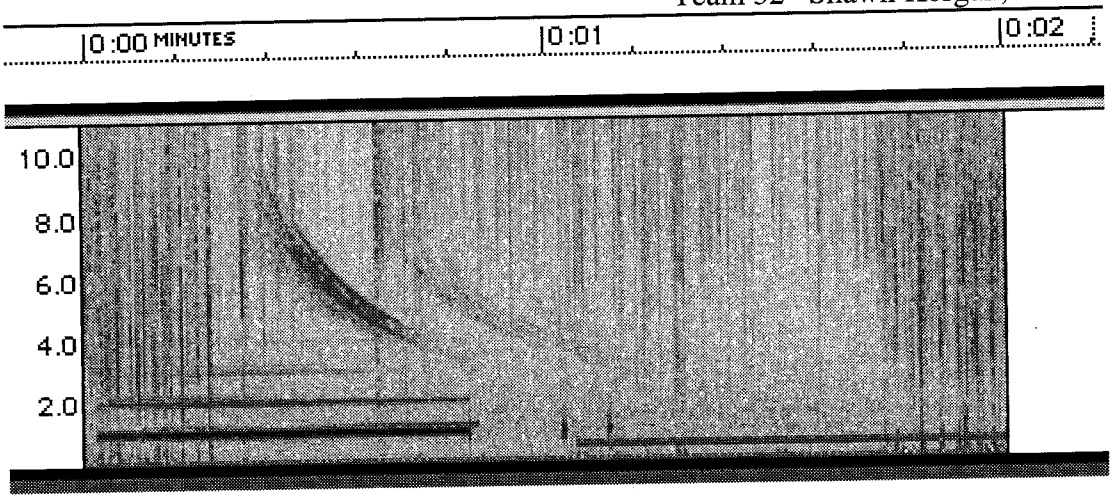
4/25/99 1300 UT



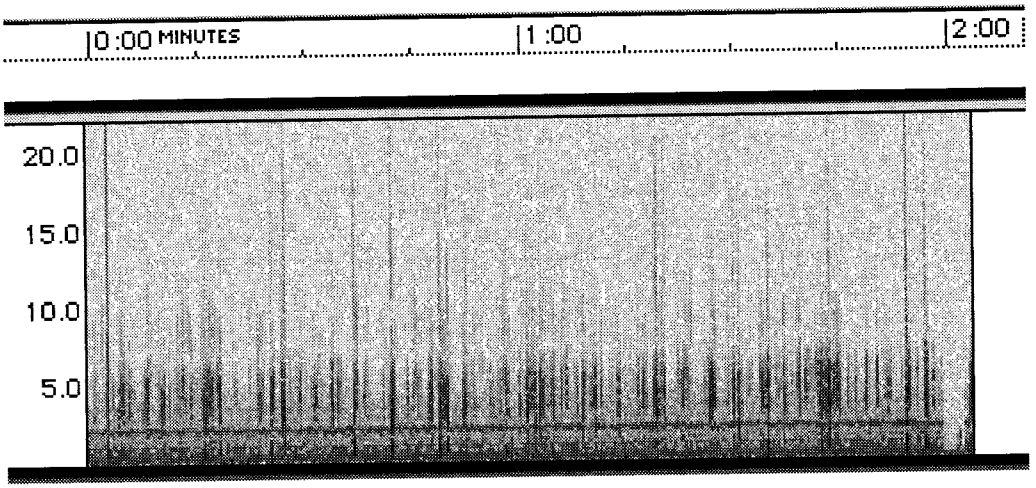
Team 5 Jean-Claude Touzin, St. Vital, Quebec, CANADA
Conditions unchanged from 1200 UT.



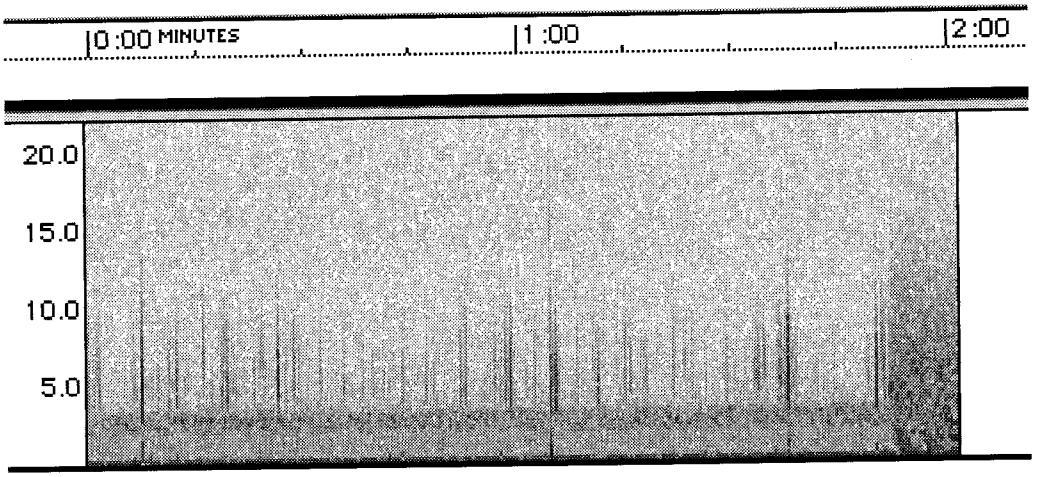
Team 32 Shawn Korgan, Gilcrest, CO



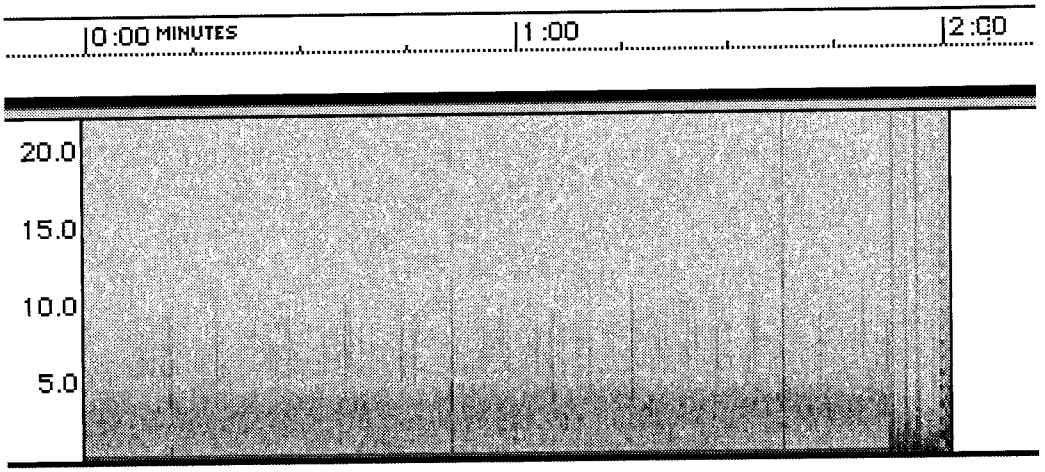
Whistler at 13:06:00. Horizontal line at 1 kHz is the 1306 UT WWV tone.



Team 29 Janet Lowry, Houston, TX
Some low level hum, but the sferics come through loud and clear.

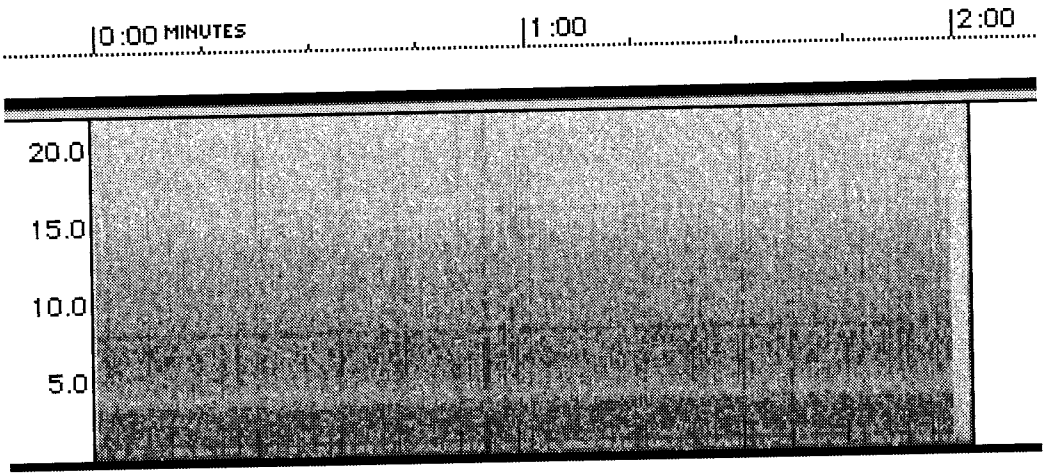


Linden Lundback Watrous, Saskatchewan, CANADA

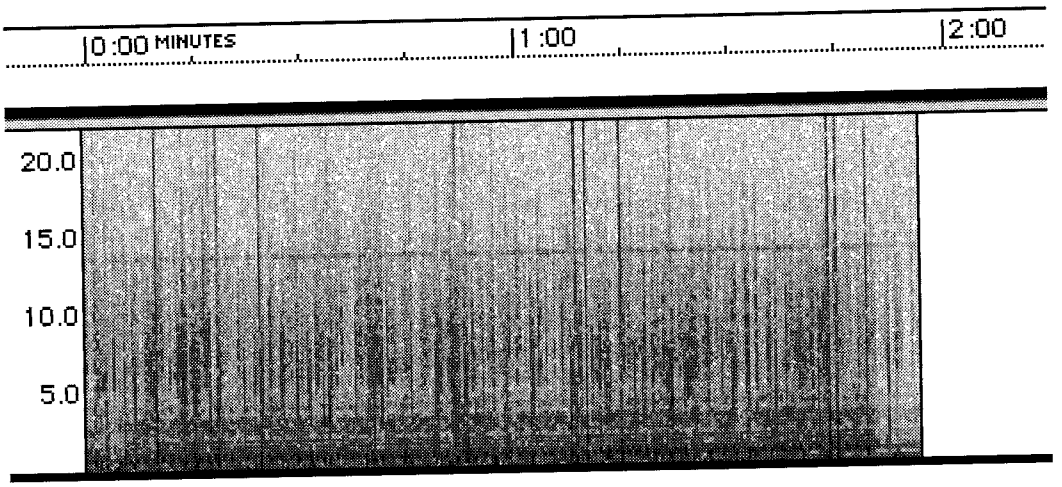


Team 31 Lee Benson, Indianapolis, IN

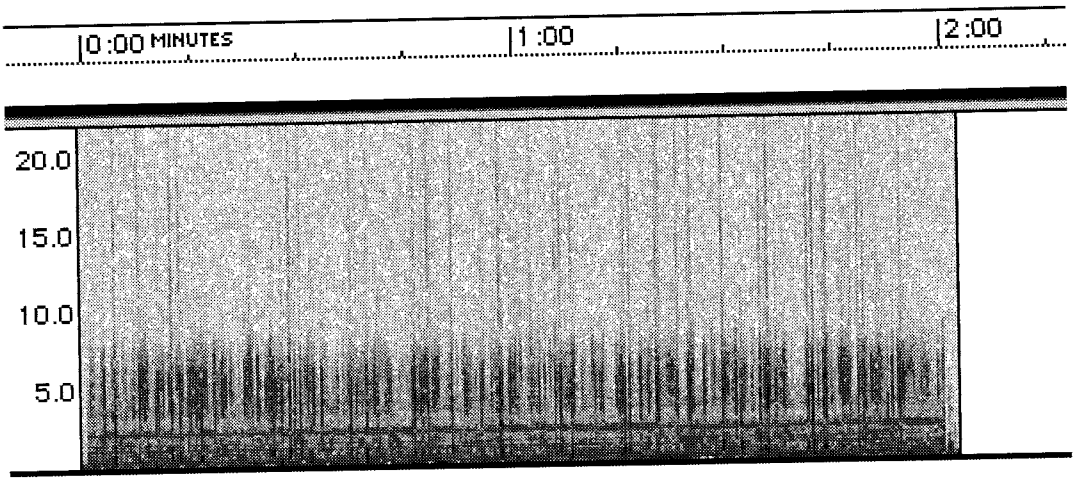
4/25/99 1400 UT



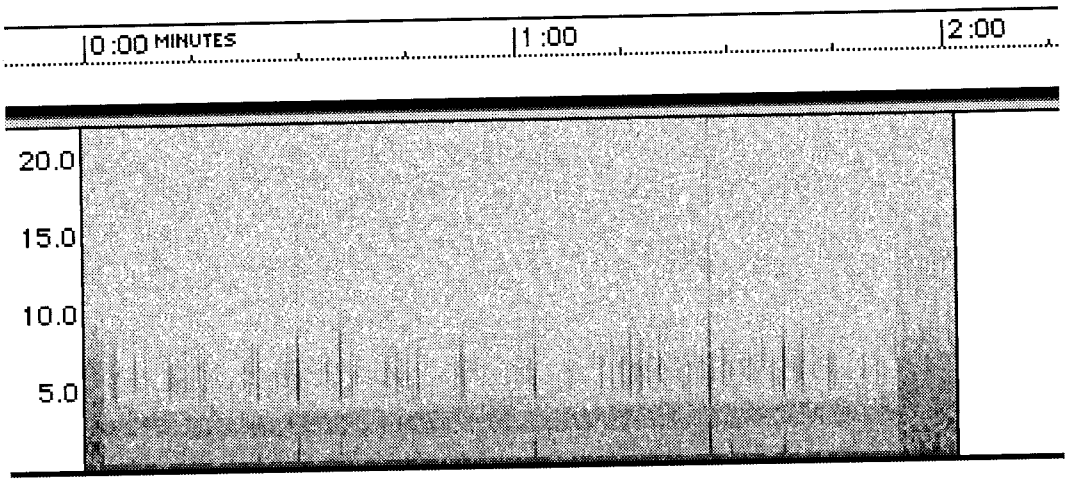
Team 5 Jean-Claude Touzin, St. Vital, Quebec, CANADA



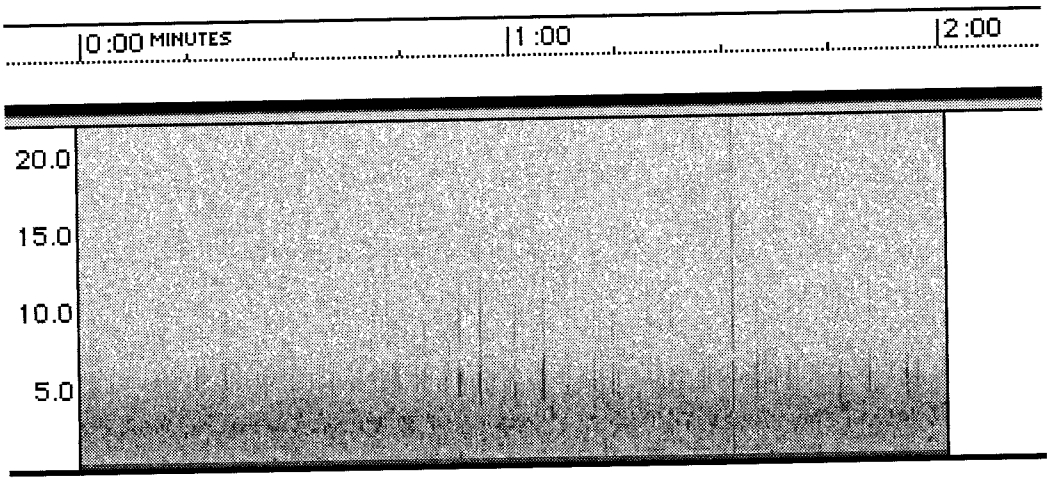
Team 6 Bill Pine, Chaffey High School, Ontario, CA



Team 29 Janet Lowry, Houston, TX

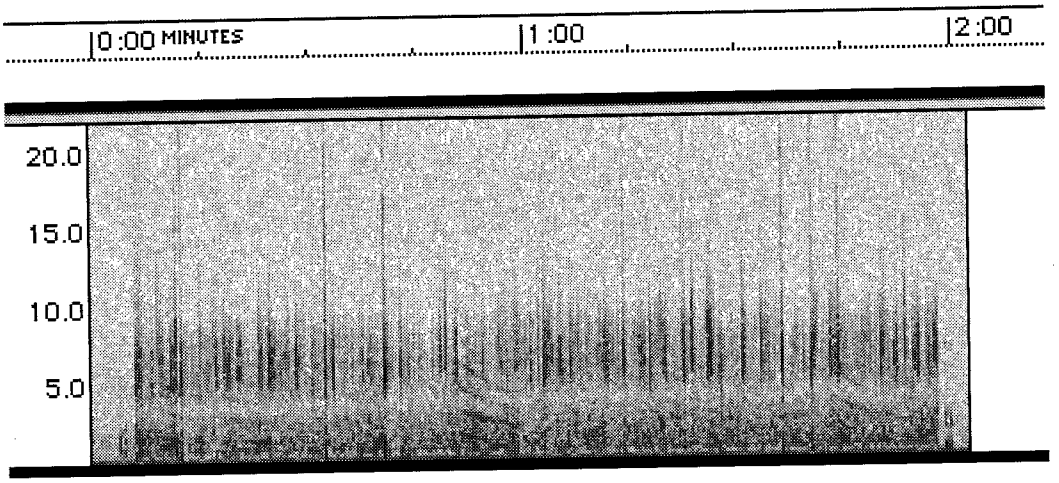


Team 30 Linden Lundback, Watrous, Saskatchewan, CANADA

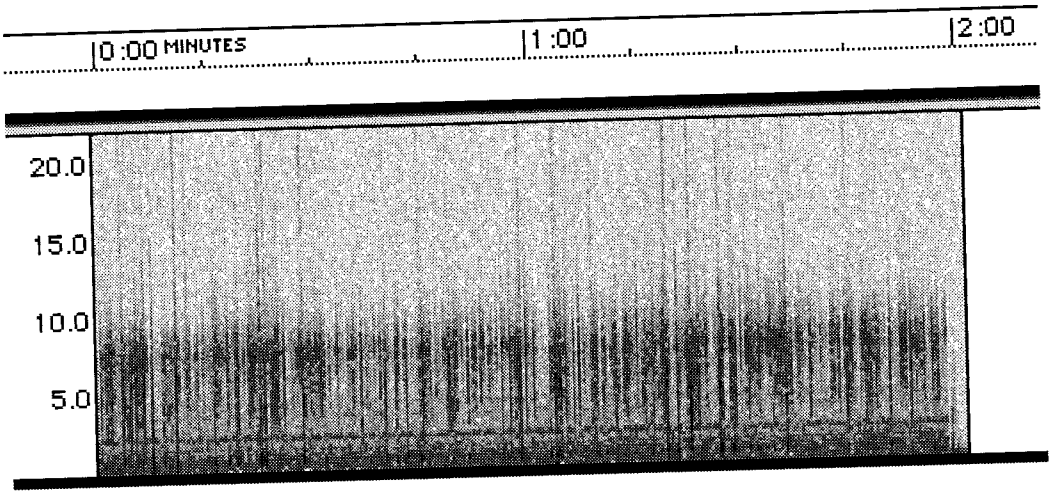


Team 31 Lee Benson, Indianapolis, IN

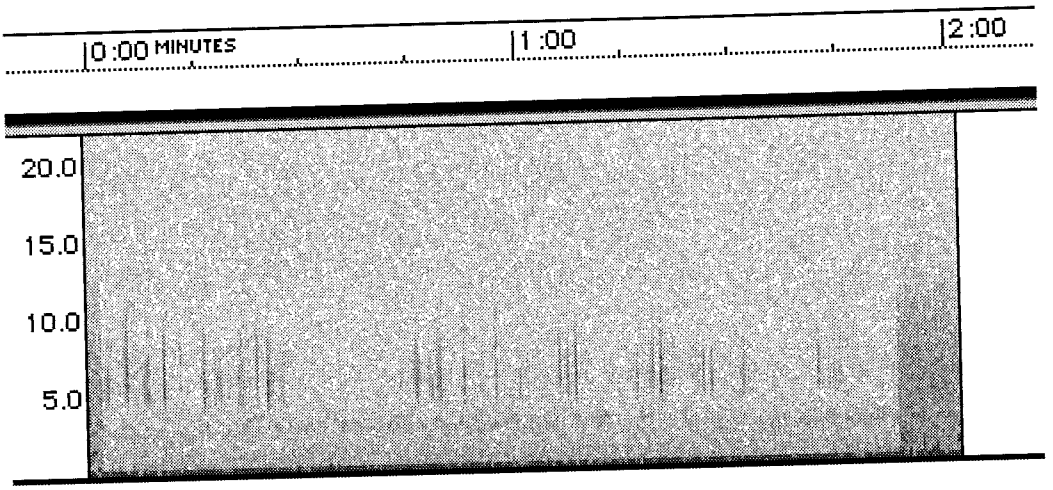
4/25/99 1500 UT



Team 6 Bill Pine, Chaffey High School, Ontario, CA

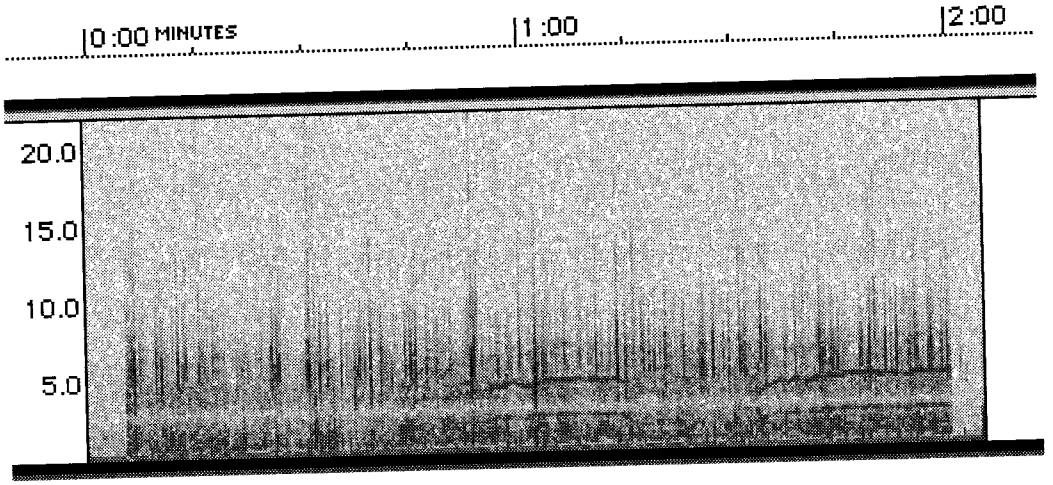


Team 29 Janet Lowry, Houston, TX

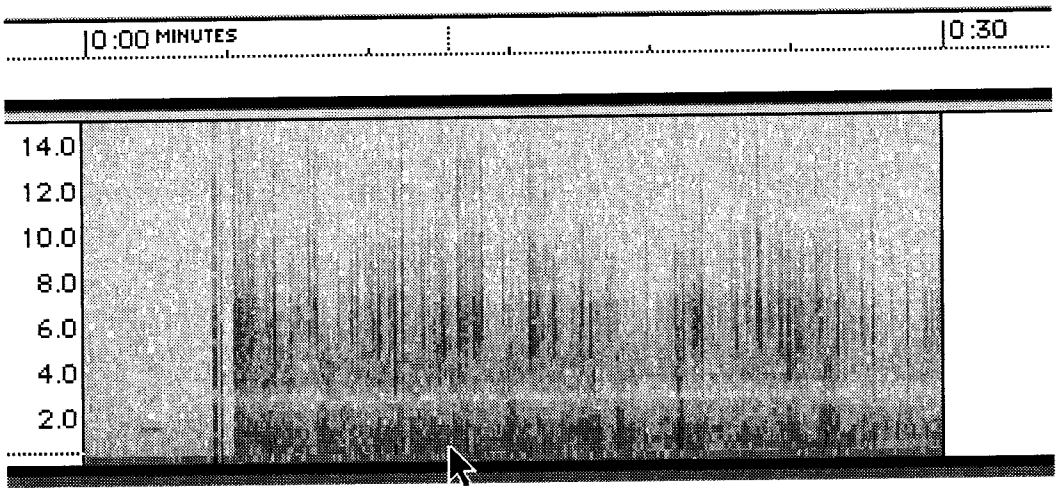


Team 30 Linden Lundback, Watrous, Saskatchewan, CANADA

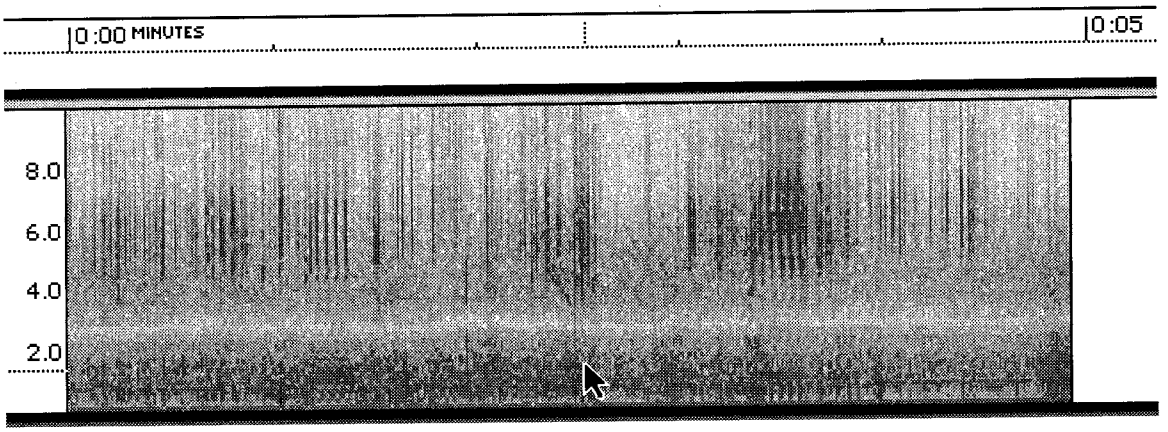
4/25/99 1600 UT



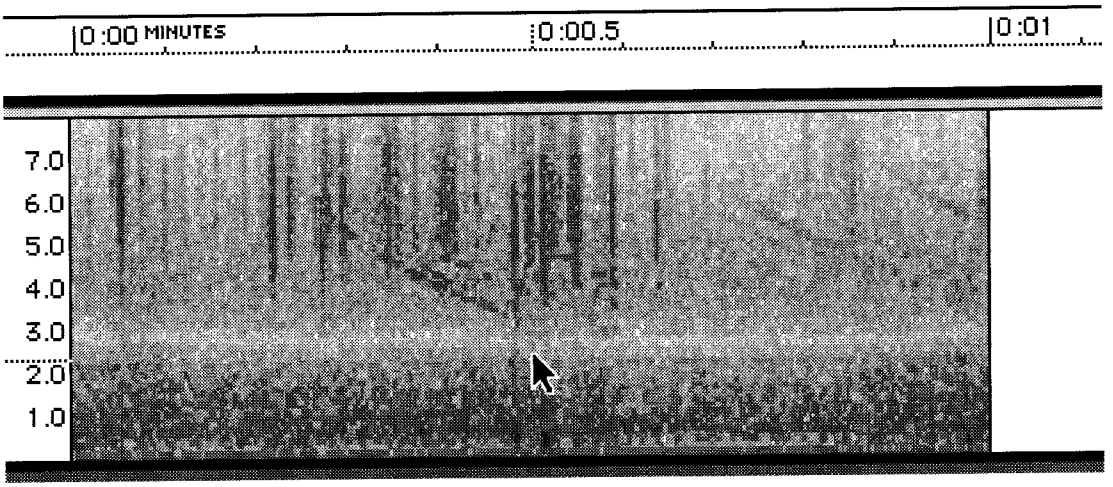
Team 6 Bill Pine, Chaffey High School, Ontario, CA
There were many faint whistlers during this session.



The arrow points to a whistler at about 16:00:13 UT



Five seconds centered on the whistler.



One second interval showing the whistler followed by fainter ones.