

# THE SOUND AND SPEECH VISUALIZER™

*"Sound Should Be SEEN As Well As Heard"*



The Sound and Speech Visualizer is a real-time spectrum analyzer that graphically displays the frequency components of sound and their relative intensities on any black & white or color television. The Visualizer consists of a dedicated computer, built-in software, two microphones and audio mixer with additional inputs for record player, tape, audiocard reader, etc.

## Applications

- Speech:** Fricatives, voiced/unvoiced, high/low pitch and vowel sounds are clearly differentiated. Peak hold indicators set target frequencies and/or intensities. Freeze display permits analysis of specific sounds. Visual display provides immediate reinforcement and motivation. Tape/audiocard reader input allows independent drill work with pre-recorded teacher modeled sounds.
- Science:** The nature of sound vibrations, harmonics and overtones is graphically reproduced. Ideal for classroom settings when used with large television or video projector.
- Music:** Music becomes a new "visual experience" as the spectrum of sound (fundamental frequencies/pitches, harmonics/overtones) is displayed as a dancing array of patterns and colors when connected to a color television.

## Features

- Selectable single trace one or one-third octave (31.5 Hz. - 12.5 KHz.) display
- Fast or slow response settings, freeze display, peak hold indicators
- Audio feedback of displayed sound through television loudspeaker
- "Kaleidoscope" motivational display for speech and a captivating display for music
- Easy hook up to antennae terminals of any television
- Comprehensive user manual
- Three year warranty
- UL Safety Approved Components

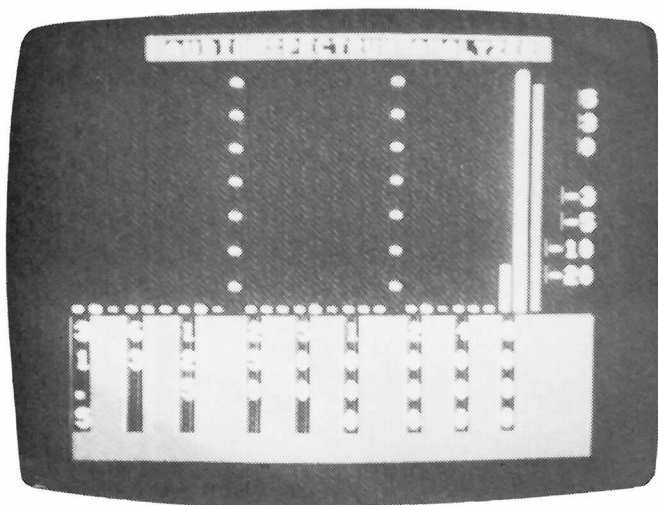
**OVAL WINDOW AUDIO**

4 Collins Road  
Yarmouth, Maine 04096  
(207) 846-6250 (Voice/TDD)

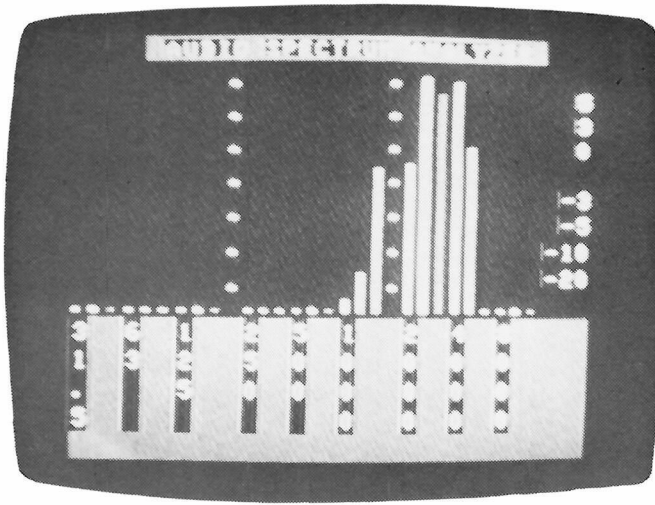


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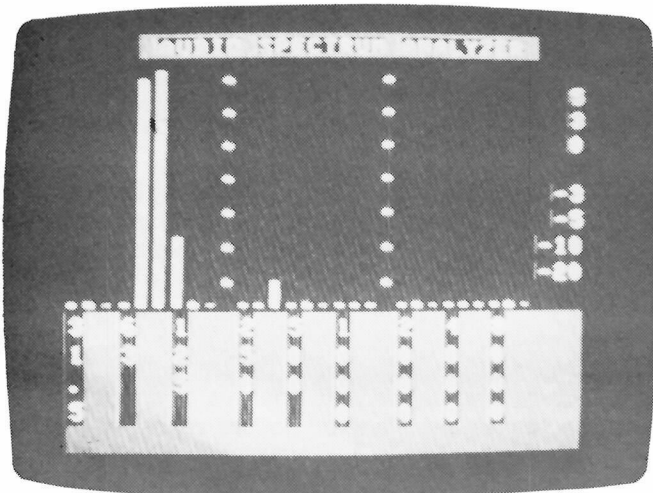
BLACK & WHITE REPRODUCTIONS OF THE VISUALIZER'S VERY COLORFUL DISPLAYS  
(Use of Color Television is Highly Recommended).



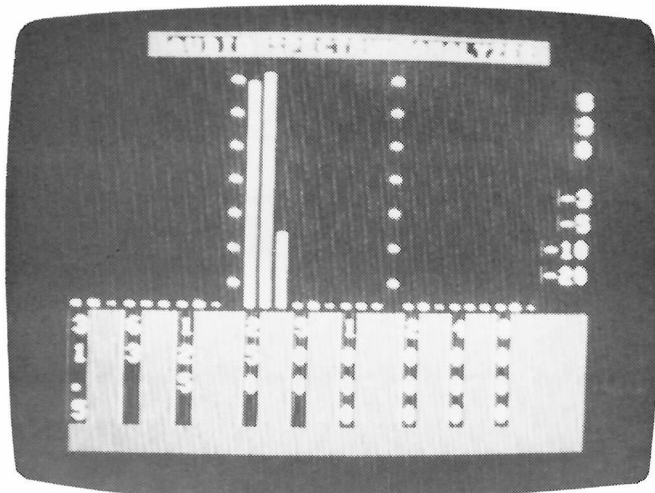
"S"



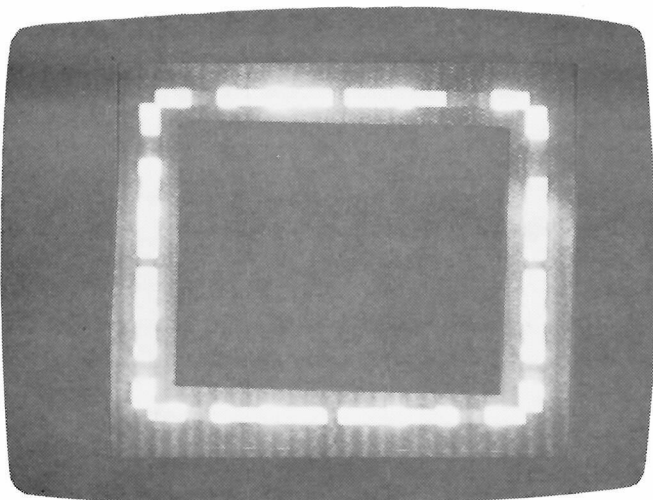
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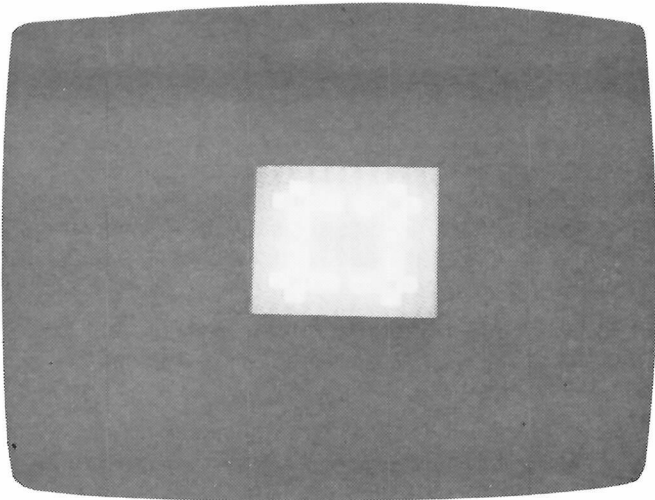
"O" (Male Adult)



"O" (Female Adult)



Well Formed Vowel  
(Kaleidoscope Mode)



Well Formed Fricative  
(Kaleidoscope Mode)