

## Cort Lippe

### Program Notes

**Vosive I** (1983) for two-channel tape was created at the Institute of Sonology, Utrecht, The Netherlands and was premiered at the *Festival of Thirty Years of Electronic Music* organized by the West Deutsche Rundfunk in Cologne in 1984.

A computer, using stochastic procedures, was involved in every level of the composing process, from sound-synthesis algorithms to higher-level compositional decision-making. All programs were written by the composer in an assembly or high-level language, and were used in a real-time interactive environment that offered a high degree of expressive control over the material.

All sounds were produced by six hardware *VOSIM* sound generators built by Jo Scherpenisse, who also built a control box with six dials used for sending voltages to six analog-to-digital converters. The voltages provided great flexibility and ease of communication for real-time interaction with the computer. Eight possible general timbre classes were employed in groupings that ranged from similar to entirely dissimilar. Density, frequency, duration, entry delay, amplitude, and sound characteristics (e.g. envelope, modulations, harmonic/inharmonic content, etc.) were chosen within ranges specified in real-time via a combination of composer interaction and stochastic specification. Formal aspects, as well as relationships between sections, were decided in the same manner. Duration: 8'46"