## 002 Mello Flute

In this patch we will focus on the VCF's ability to self-oscillate and the resulting sinusoidal outpubeing modulated. We'll makuse of the VCO's capicity to act as a modulator in 1 -range mode and mix the



	Triangle waveform with the
у	White Noise generator, built
	into the <u>Mixer / Noise</u>
ut	module. The patch is a
ke	hommage to the grainy, off-
	tune texture of early tape-
lfo	sampler instruments such as
	the Mellotron and Optigan.

Suggested patching: Triangle waveform as a subtle vibrato source to pitch-modulate the VCF in self-oscillation mode(=Sine). The Audio gain 1 control becomes a modulation-depth control effectively. Start low, dial-in to taste.

Set the VCF mode switch to the MID position for self-oscillation + 1v/oct tracking. In this mode the LPF switches to a positive-feedback circuit to output a Sinusoidal waveform (VCF audio input is ignored).

In self-oscillation mode the VCF's cutoff frequency control acts as a manual frequency dial. Set to taste.

The analog, White-Noise generator on the <u>Mixer / Noise</u> module is normalized to the Audio input 4. We're using the Noise Generator's chaotic nature as a less predictable modulation source (subtle randomization).

The mixed (audio) modulation signal consisting of Triangle (lfo) + Noise, post individual gain-staging, is output here.