ENTROPICAL PARADISE with bird call

for Buchla Synthesizer

position of control knob

AUDIO PATCHES

Mix	Output to amplifier 1-3 left channel (A) 4-6 right channel (B)	
	Inputs to left channel (A)—1 from Voltage Controlled Mixer 1-5 out (Gate C) 2 from Reverb A out	
	Inputs to right channel (B)—1 from Reverb B out 2 from Voltage Controlled Mixer 6-10 out (Gate D)	
Reverb	Inputs A from Voltage Controlled Gate A out B from Voltage Controlled Gate B out	
Voltage Controlled Mixer (Gates C and D)	Inputs 1 (C) from Sine-Sawtooth Generator 1 out Inputs 6 (D) from Sine-Sawtooth Generator 1 out	
Voltage Controlled Gates	Inputs A from Sine-Sawtooth Generator II out B from Sine-Sawtooth Generator III out	
Envelope Detector	Input A from Pink Noise Generator out	
Optional: White Noise Generator to Sine-Sawtooth Generator f-m input; Pink Noise Generator to Sine-Sawtooth Generator III f-m input. Vary percent modulation		

CONTROL VOLTAGE PATCHES

Sine-Sawtooth Generator I	Input from Envelope Detector output—*ext*	
Sine-Sawtooth Generator II	Input from Control Voltage Processor IA output—*ext*	
Sine-Sawtooth III	Input from Control Voltage Processor IIA output—*ext*	
Control Voltage Processor IA	Input L from Random Voltage Source B out Input R from Sequential Voltage Source IA out	
Control Voltage Processor IB	Input R (inverting) from Random Voltage Source A out	
Control Voltage Processor IIA	Input L from Control Voltage Processor IB out Input R from Sequential Voltage Source IIA out	
Random Voltage Source	Input A from Timing Pulse Generator I *alternate* one Input B from Timing Pulse Generator II *all* out	
Voltage Controlled Gates	Input A from Attack Generator output A Input B from Attack Generator output B	
Attack Generator	Trigger A from Timing Pulse Generator II *all* out Trigger B from Timing Pulse Generator I *all* out	
Timing Pulse Generator I	Period in from Random Voltage Source B out	*rep* *int* *ext*
Timing Pulse Generator II	Period in from Control Voltage Processor IB out	
Sequential Voltage Source I	Pulse input from Timing Pulse Generator I *all* out	
Sequential Voltage Source II	Pulse input from Timing Pulse Generator II *all* out	
Voltage Controlled Mixer (Gate C & D)	Input 1 (C) from Sequential Voltage Source 1C out Input 6 (D) from Sequential Voltage Source 1B out	

Box A #39

Note: Any control setting may be varied at will. The Control Voltage Processor and Sequential Voltage Source settings given here will result in a randomly self-programming program which, once initiated, seems to require no further attention.

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Santa Monica
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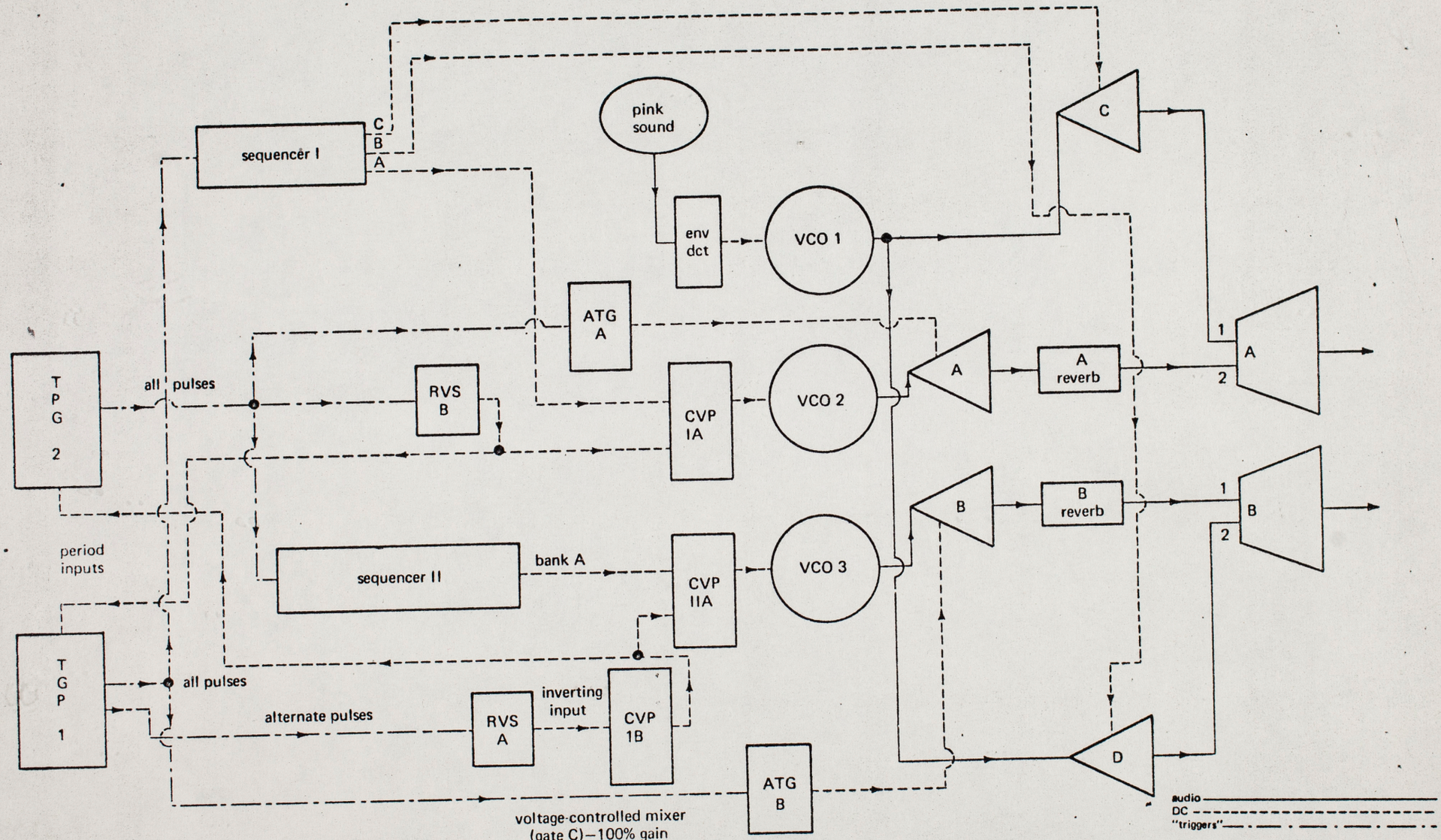
14.1



output mix A
input 1–30% gain
input 2–60% gain
output mix B
input 1–50% gain
input 2–60% gain
reverb A & B–50% mix

voltage-controlled mixer
(gate C)–100% gain
(gate D)–100% gain
gates (VCOs)
A–100% gain
B–100% gain
envelope detector
Sensitivity–60%
Decay time–1 sec

sine-sawtooth oscillators (external voltage control)
1–waveshape 0% harmonic content
2–waveshape 30% harmonic content
3–waveshape 30% harmonic content
sequencer I–88-increment
sequencer II–16-increment

1.1.2