

THE VASULKAS, INC.  
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Early Video Tools (Listed chronologically)

Early 1960s

Don Buchla      Sound synthesizer ✓

Mid 1960s

Sid Washer      Scan device

Nam June Paik    Television with magnets installation

Nam June Paik    "Wobbulator"

Late 1960s

Eric Siegel      Colorizer

Aldo Tambellini/Black Spiral Installation

Bob Diamond      Cloud Machine

Bill Hearn      Vidium

Circa 1970

Eric Siegel      Synthesizer

Stephen Beck     Synthesizer

Circa 1971

Nam June Paik

& Shua Abe      Paik/Abe Keyer & Colorizer

Don Hallock      "Videola" (cathode ray tubes w/mirrors)  
Installation

Circa 1972

George Brown     Multilayered Keyer

Dan Sandin       Image Processor (IP)

Circa 1973

As per Woody, 1/15/92

### The Systems

The generic distinction of early video tools can be characterized as:

1. Video signal manipulation sync
2. Timing Control, e.g. drift, roll
3. Scan processing - modulation
4. Tape manipulation  
e.g. Seale - Generation Accumulation  
Gillette/Schneider - Wipe Cycle  
Vasulkas - Descents

### Method of Recording

1. Direct:  
Video to Video
2. Re-scanned:  
Video to Monitor to Camera to Video
3. Temporary:  
e.g. - Tambellini Installation  
Videola  
IP

Re Woody:

The key to the curatorial attitude is the recognition of works conceived and controlled electronically (electromagnetically), appearing on the CRT as non specific to timing sequences or specific to the TV raster. The time non-specific manifestation is the one where the image may not be organized in frames, where X, Y, Z position and intensity may appear on the surface of the CRT in a non-line forming fashion - most characterized by the images produced on an oscilloscope by the beam trace at random, or chosen, in waveform organization. Contrary to that, standard TV provides an unambiguous set of rules for the image forming process, creating a field/frame structure modulated by a representation of light space as "portrayed" by the camera, i.e. synthetically.

Collection of the Vasulkas

Late 1960s

Eric Siegel      Dual Colorizer

Circa 1972

George Brown      Miniseries: Gen-Lock Hand Keyer, Soft  
Keyer

George Brown      Programmable Field Switcher

George Brown      Programmable Multiple keyer

Stephen Beck      Graphic Outliner

Circa 1973

Bill Etra &      Rutt/Etra Scan Processor (Modulator)  
Steve Rutt

Donald McArthur

& Jeffy Schier First Generation Digital Image Generator

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