

Bill Hearn, ca. 1969, San Francisco. *Courtesy of Bill Hearn.*

PUTNEY, MODEL VCS 3, 1968.

Aldo Tambellini with BLACK SPIRAL prepared television set, 1969. *Courtesy of Aldo Tambellini.* Photo: Don Snyder.

Eric Siegel, 1971, from a video tape made at the Howard Wise Gallery, New York City.

Eric Siegel's DUAL COLORIZER, 1972. *Courtesy of Eric Siegel.*

Eric Siegel's DUAL COLORIZER, 1972.

Stephen Beck in his California studio. *Courtesy of Stephen Beck.*

Stephen Beck with BECK VIDEO WEAVER, 1974. *Courtesy of Stephen Beck.*

Glen Southworth, inventor and founder of CVI/Colorado Video, Inc. Self Portrait with first experiments on direct CRT copying with original XEROX color machine. *Courtesy of Glen Southworth.*

Glen Southworth's CVI VIDEO QUANTIZER, 1969. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton.*

Glen Southworth's CVI DATA CAMERA, 1970. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton.*

Nam June Paik visiting Buffalo, 1979. Photo: Woody Vasulka.

(? Shuya Abe, ca. 19 , from a video tape made .)

Nam June Paik and Shuya Abe's PAIK/ABE SYNTHESIZER & SCAN MODULATOR, 1971. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton.*

Nam June Paik and Shuya Abe's PAIK/ABE SYNTHESIZER SCAN MODULATOR component, ca. 1971. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton.*

George Brown's VIDEO SEQUENCER, 1971. *Collection of the Vasulkas, Santa Fe, New Mexico.*

George Brown's MULITKEYER, 1973. *Collection of the Vasulkas, Santa Fe, New Mexico.*

Dan Sandin with the IP (IMAGE PROCESSOR), 1972, Chicago. *Courtesy of Phil Morton.*

Dan Sandin's IP in studio with other instruments. *Courtesy of Phil Morton.*

Steve Rutt and Bill Etra's RUTT/ETRA SCAN PROCESSOR, MODEL RE-4, 1973. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton.*

(? Bill Etra, ca. 19 , from a video tape made

(? Steve Rutt, ca. 19 , ? .)

Left to right - Kit Galloway, Dave Jones, Jack Henry Morre, founders of VIDEOHEADS, at the Melk Weg, Amsterdam, 1972. *Courtesy of Dave Jones.*

David Jones's JONES FRAME BUFFER, 1976. *Collection of Gary Hill, Seattle, Washington.*

Don McArthur's SAID, 1976. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton.*

Don McArthur in the Vasulka's loft, 1976, Buffalo, New York. *Photo: Woody Vasulka.*

Don McArthur (right) and Woody Vasulka (left), 1976, Buffalo, New York. *Photo: Steina Vasulka.*

Don McArthur (middle) and Woody Vasulka (left) and Lou James (right), 1976, Buffalo, New York. *Photo: Steina Vasulka.*

Jeff Schier in the Vasulka's loft, 1977, Buffalo, New York. *Photo: Woody Vasulka.*

(? Woody - Don McArthur and Jeff Schier's DIGITAL IMAGE GENERATOR. *Collection of the Vasulkas, Santa Fe, New Mexico.*)

(Assorted illustrations)

Conference on Electronic Art Tools, 1977, at the State University of New York (SUNY), Buffalo. First row - Wendy Clark, Jean-Pierre Boyer; second row - Taka Imura, Woody Vasulka, Nam June Paik, Dr. Gerald O'Grady; third row - Bill Viola, Ed Emshwiller, Kit Galloway, Steina Vasulka; standing - Walter Wright.

Jean-Pierre Boyer in the Vasulka's loft, ca. 1975, Buffalo, New York. *Photo: Woody Vasulka.*

Catalog/Front matter, 5/11/92

Nam June Paik and Shuya Abe's SCAN MODULATOR, ca. 1971. Right-wave form input; left - output on monitor. *Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton. Photo: Susan Rothstein.*

Gene Youngblood in the Vasulka's loft, ca. 1975, Buffalo, New York. *Photo: Woody Vasulka.*

Left to right - unidentified, unidentified, Jack Henry Moore, Kit Galloway, Dave Jones, unidentified, VIDEOHEADS, at the Melk Weg, Amsterdam, 1972. *Courtesy of Dave Jones.*

Early Electronic Audio/Video Personal Instruments
(Listed chronologically)

Following are a list of early "personal" electronic audio & video instruments used by artists and researched for this exhibition. Even though it is recent history, the whereabouts of a number of these machines is unknown, and we can only document their existence from ephemera - images on paper, in photographs, and on video tapes. This ARS ELECTRONICA exhibition at the Landesmuseum - Francisco Carolinum will include those machines that have been dusted off and restored to life. This list is not meant to be comprehensive, it is archaeological. During our research we found leads to many other instruments that we hope can also be revived - before it is too late.

- crumpen swore Detroit*
- Experimental **Video Feed Back w/Audio Input Modulation Interactive Installation**
Ubiquitous
- 1962 *EXPLANATION stuff*
Lee Harrison **ANIMAC (Hybrid graphic animation computer)**
Associates *Destroyed, documented on film*
- 1964 *Sound Prints Buchla Feedback Jerry Plak*
~~Don Buchla~~ **BUCHLA PRE-100 SERIES (Audio synthesizer)**
Collection of Michael Czajkowsky, New York City
- 1968
Eric Siegel **IMAGE ORTHICON T.V CAMERA (Prepared camera)**
Courtesy of Vinnie Novak
On loan to the Experimental Television Center, Ltd. & The State University of New York, Binghamton
Collection of Eric Siegel
- 1968 *Peter Scherren Stern Woody Eric*
Eric Siegel **PROCESSING CHROMINANCE SYNTHESIZER (Analog)**
Whereabouts unknown, no known documentation
- 1968 - 1969 *Riservio*
Robert Moog **MOOG MODULAR AUDIO SYNTHESIZER**
Courtesy of Norman Lowrey, Professor of Music
Collection of Drew University, Madison New Jersey
Donated by CBS (Columbia Broadcasting System)

Pat Nettle

1970
Glen Southworth
CVI (COLORADO VIDEO INC) QUANTIZER (Colorizer)
&
CVI DATA CAMERA (Camera scan processor)
Collection of the Experimental Television Center,
Ltd. & The State University of New York,
Binghamton

1971
Nam June Paik & Shua Abe
Ron Hayes Binghamton Yalcut? :-
PAIK/ABE SYNTHESIZER (Keyer & colorizer)
& SCAN MODULATOR (a.k.a. as the "Wobulator")
Collection of the Experimental Television Center,
Ltd. & The State University of New York,
Binghamton

1971
George Brown
Noisefields Home
VIDEO SEQUENCER (a.k.a. FIELD FLIP/FLOP SWITCHER, with digital control)
Collection of the Vasulkas, Santa Fe, New Mexico

1971
Dan Sandin
a lot
IP (Analog IMAGE PROCESSOR)
Collection of Phil Morton, West Yellowstone,
Montana

1972
X Eric Siegel
older V, Home
DUAL COLORIZER (Analog)
Collection of the Vasulkas, Santa Fe, New Mexico

CIRCA 1972
Steve Rutt & Bill Etra
X
SCAN PROCESSOR PROTOTYPE (Analog)
Collection of the Experimental Television Center,
Ltd. & The State University of New York,
Binghamton
Donated by Barbara Buckner

Rauli / Ken 70
1971
Don Hallock
VIDEOLA INSTALLATION, SAN FRANCISCO
Destroyed, documented in photographs

1973
X George Brown
MULTIKEYER (Analog with digital control)
Collection of the Vasulkas, Santa Fe, New Mexico
Sandin

- Kramers*
woody's films Binghamton
- 1973 **Bill Etra & Steve Rutt** **RUTT/ETRA SCAN PROCESSOR (Analog)**
Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton
- 1973 **Stephen Beck** **VIDEO OUTLINER (Digital)**
Collection of the Vasulkas, Santa Fe, New Mexico
- 1974 **David Behrman & Bob Diamond & Robert Watts** **CLOUD MUSIC INSTALLATION (Hybrid audio/video instrument)**
Binghamton
Courtesy of Sara Seagull & Larry Miller, Robert Watts Studio Archives
Collection of David Behrman, Bob Diamond & Estate of Estate of Robert Watts
- 1974 **Stephen Beck** **BECK DIGITAL VIDEO WEAVER (Synthesizer)** *Sample*
Collection of Stephen Beck, San Francisco
- 1976 **David Jones** **JONES FRAME BUFFER (Digital buffer)** *Gerning + Hill*
Collection of Gary Hill, Seattle, Washington
- Don McArthur** **SAID (SPATIAL AND INTENSITY DIGITIZER)** *Binghamton*
Collection of the Experimental Television Center, Ltd. & The State University of New York, Binghamton
- 1976 **Don McArthur & Jeffy Schier** **DIGITAL IMAGE GENERATOR** *Digital Images*
Collection of the Vasulkas, Santa Fe, New Mexico
- Date Unknown **Marcel Dupouy** **LE MOVICOLOR (Colorizer)**
Courtesy of Don Foresta
Collection of Ecole de Beaux Artes Decoratif, Paris