A MORE DETAILED LOOK AT THE WORKSHOPS,

PRESENTATIONS AND SEMINARS

JUNE 12 - JUNE 21

Third International Computer Art Festival
City University of New York
Graduate School and University Center
33 West 42nd Street
New York City, New York

In the hopes of encouraging interchange among the
artists and festival attendees, room 1625 has been
reserved for formal and informal presentations and
discussion groups. A sign-up sheet is available.

ADDITIONAL SEMINARS NOT LISTED ON PRINTED PROGRAMS

MONDAY, JUNE 16

4:30 p.m. - 5:00 p.m.
Auditorium

THE FILM ART OF JOHN WHITNEY

"The Film Art of John Whitney" is a half hour television program produced by
Camera Three (CBS/TV) originally broadcast June 8, 1975.

FRIDAY, JUNE 20

11:00 a.m. - 12:30 p.m.
Auditorium

VIDEOPLACE: A TWO-WAY VIDEO/COMPUTER ART PROJECT - William Krueger
and Charles Moore

The term "videoplace" is based on the premise that the act of instantaneous two-
way communication creates a place that consists only of the information that
is available to both people simultaneously.

William Krueger and Charles Moore are at the Communications Environment
Program at the University of Wisconsin Space Science Center.

2:00 p.m. - 2:15 p.m.
Auditorium

TAPES BY WALTER WRIGHT

A series of videotapes from the Experimental Television Center, Binghamton, New York.

SATURDAY, JUNE 14

10:00 a.m. – 12:00 noon
Auditorium

RECENT DEVELOPMENTS IN COMPUTER MUSIC – Charles Dodge and Max Matthews

Drs. Max V. Matthews and Charles Dodge will talk about their current programming achievements. Dr. Matthews will describe his program for "conducting" the computer in musical performances, and play selections from works he has conducted. Mr. Dodge will describe his programming system for analyzing, synthesizing and altering human speech and vocal sounds, and play his most recent work, "The Story of Our Lives."

Charles Dodge is a composer, an Assistant Professor of Music at Columbia University and President of the American Composers Alliance. He is a Guggenheim Fellow for the second time, the recipient of an award from the American Academy of Arts and Letters, a grant from Creative Artists in Public Service, and a Commission from the National Endowment for the Arts.

Max Matthews is a composer, Director of Acoustic and Behavioral Research at Bell Telephone Laboratories, a Fellow of the Institute of Electrical Engineers and a Member of the National Academy of Sciences.

12:30 p.m. – 1:30 p.m.
Auditorium

COLOR AND THE COMPUTER – Lillian Schwartz

A historical perspective of the artist's use of the computer in color and perception. Ms. Schwartz will show and describe selections from her own works, including "UFO's" (1971), "Enigma" (1972), "Googolplex" (1972), "Apotheosis" (1972), "Mutations" (1972), "Metamorphosis" (1974), and "Metathesis" (1974).

Lillian Schwartz is an artist, film-maker and sculptor. Her works have been shown at universities and museums throughout the world including the Whitney Museum, The Museum of Modern Art, the Metropolitan Museum in New York, and recently at the Hirshhorn Museum in Washington.

MONDAY, JUNE 16 - FRIDAY, JUNE 20

9:00 a.m. - 5:00 p.m.
Third Floor Studio

A WORKSHOP ON EXPLOR - Ken Knowlton with the assistance of Jonathan Marz and
Beth Norman

A course in the use of EXPLOR, a graphic language developed by Dr. Knowlton
The course will consist of a series of lectures, films and slide showings and personal
use of the CUNY computer facilities for assigned problems and individual projects,
with tutoring by Dr. Knowlton and assistants. Participants will use EXPLOR to
develop designs for direct display, coloring, and conversion to photo silk screens,
embroidery, or other media.

Ken Knowlton is a member of the Computer Techniques Research Department at
Bell Telephone Laboratories, author of numerous graphics programming languages,
and collaborator with film-makers Stan Vanderbeek and Lillian Schwartz.

Jonathan Marz is Director of User Services at the Computer Center of the
Graduate School and University Center, CUNY.

Beth Norman is with the Office of the Dean for Computer and Television Systems, CUNY.

* Enrollment is limited. For further information contact Sema Marks, 212-794-5685.

MONDAY, JUNE 16

3:15 p.m. – 4:15 p.m.
Auditorium

SOME RELATIONS BETWEEN COMPUTER GRAPHICS AND MATHEMATICS:
A PERSONAL VIEW – Norton Starr

Computer art as a means for illustrating concepts in mathematics.

Norton Starr is a Professor of Mathematics at Amherst College.

TUESDAY, JUNE 17

1:30 p.m. – 3:00 p.m.
Auditorium

COMPUTER GRAPHICS IN EXPLOR – Ken Knowlton and Laurie Spiegel

A presentation and discussion of computer graphics produced by students and
artists using EXPLOR.

Kenneth Knowlton is a member of the Computer Techniques Research Department
at Bell Telephone Laboratories, author of numerous graphics programming
languages, and collaborator with film-makers Stan Vanderbeek and Lillian Schwartz.

Laurie Spiegel is a composer and sometimes video artist.

3:15 p.m. – 5:00 p.m.
Room 1627

ARTSPEAK: A GRAPHICS LANGUAGE – George Chaikin and Caroline Wardle

A presentation of ARTSPEAK and its use by artists and students.

George Chaikin is a graphics artist, Research Scientist, NYU, Adjunct Lecturer,
Richmond College, CUNY, and Adjunct Lecturer, Pratt Institute School of Art.

Caroline Wardle is an Assistant Professor of Mathematics at Hunter College, CUNY.

WEDNESDAY, JUNE 18

1:30 p.m. - 3:00 p.m.
Auditorium

COMPUTER FILMS I (Art) - Ken Knowlton

A showing and discussion of computer and non-computer generated films including:
"Permutations" by John Whitney; "Hunger" by Peter Foldes; "Experiments in
Motion Graphics"; "Squares" by Doris Chase; "Poemfield #5 and #7" by Stan
Vanderbeek and Ken Knowlton; "UFO's" by Ken Knowlton and Lillian Schwartz;
"Metamorphosis" by Ken Knowlton and Lillian Schwartz; "Motion Painting #1"
by Oskar Fischinger; "Dance Squared" by Rene Jodoin; and "Line Horizontal"
by Norman McLaren.

3:15 p.m. - 4:15 p.m.
Auditorium

COMPUTERS AND MUSIC: A PERSONAL VIEW - Laurie Spiegel

Ms. Spiegel will play and discuss her music.

Laurie Spiegel is a composer and sometimes video artist.

4:15 p.m. - 5:15 p.m.
Auditorium

COMPUTER ASSISTED LITERATURE: A PERSONAL VIEW - Carole Spearin McCauley

Ms. McCauley will read and discuss her poetry.

Carole Spearin McCauley is a poet and author of Computers and Creativity
and Six Portraits , a book of computer assisted prose.

THURSDAY, JUNE 19

1:30 p.m. – 3:00 p.m.
Third Floor Studio

COMPUTER FILMS II (Science and Education) – Ken Knowlton

A showing and discussion of "Synthevision Sampler" by Phil Mittleman;
"Delta Wing Vibrations" by Henry Christiansen; "Force, Mass, and Motion"
by Frank Sinden; "Two Gyro Gravity Gradient Altitude Control System"
by Ed Zajac; and "Movies From Computers" by Ellis King.

3:15 p.m. – 6:00 p.m.
Third Floor Studio

DIGITAL RASTER SCAN GRAPHICS – Ron Baecker, George Chaikin, Bill
Etra, Tom de Fanti, Lou Katz, Ken Knowlton, Chuck Libby and Alvy Ray Smith

The past, present and future of digital production of raster images.

Ron Baecker is a professor at the University of Toronto.

George Chaikin is a graphics artist, Research Scientist, NYU, Adjunct Lecturer
Richmond College, CUNY, and Adjunct Lecturer, Pratt Institute School of Art.

Bill Etra is a video artist; Instructor in Experimental Television, NYU School of
the Arts; Adjunct Professor of Oceanography, CCNY; Assistant Professor of
Film and Television, University of Maryland, Baltimore County Campus; and co-
inventor of the Rutt/Etra Video Synthesizer.

Tom de Fanti is a professor in the Department of Chemistry, University of Illinois.

Lou Katz is Adjunct Associate Professor of Graphics, Columbia University and
Senior Research Associate, Cancer Research Center, Columbia University College
of Physicians and Surgeons.

Ken Knowlton is a member of the Computer Techniques Research Department at
Bell Telephone Laboratories, author of numerous graphics programming languages,
and collaborator with film-makers Stan Vanderbeek and Lillian Schwartz.

Chuck Libby is at the Architecture Machine, MIT.

Alvy Ray Smith is at the New York Institute of Technology.

FRIDAY, JUNE 20

11:00 a.m. – 12:30 p.m.
Auditorium

VIDEOPLACE: A TWO-WAY VIDEO/COMPUTER ART PROJECT – William Krueger
and Charles Moore

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Program at the University of Wisconsin Space Science Center.

1:00 p.m. – 2:00 p.m.
Auditorium

VIDEO DIGITIZING SYSTEM – Don McArthur

An approach to real-time digital processing of the video image.

Don McArthur is with the Experimental Television Center, Binghamton, New York
and a Visiting Associate Professor of Physics, SUNY, Binghamton.

2:00 p.m. – 2:15 p.m.
Auditorium

TAPES BY WALTER WRIGHT

A series of videotapes from the Experimental Television Center, Binghamton, New York.

2:15 p.m. – 3:30 p.m.
Auditorium

INTERACTIVE COMPUTER VIDEO ENVIRONMENT – Tom de Fanti

An example of one such environment at the University of Illinois, Chicago
Circle Campus.

Tom de Fanti is a professor in the Department of Chemistry, University of
Illinois.

3:45 p.m. – 5:00 p.m.
Auditorium

TIMBRE SPACES – David Wessel

A computer assisted multi-dimensional scaling approach to the traditional
musical problem of tone quality relationships.

David Wessel is Associate Professor of Psychology, Michigan State University.

SATURDAY, JUNE 21

11:00 a.m. – 3:00 p.m.
Apartment of Bill and Louise Etra

DIGITAL CONTROL OF ANALOG TELEVISION DEVICES** – Bill Etra, Lou Katz,
Tom de Fanti

Simple and easily accessible interfaces between digital computing and video.

Bill Etra is a video artist; Instructor in Experimental Television, NYU School
of the Arts; Adjunct Professor of Oceanography, CCNY; Assistant Professor
of Film and Television, University of Maryland, Baltimore County Campus;
and co-inventor of the Rutt/Etra Video Synthesizer.

Lou Katz is Adjunct Associate Professor of Graphics, Columbia University
and Senior Research Associate, Cancer Research Center, Columbia University
College of Physicians and Surgeons.

Tom de Fanti is a professor in the Department of Chemistry, University of Illinois.

** Registration limited – Contact Bill Etra, 929-3516