

COMPUTER GRAPHICS AND
ELECTRONIC PERCEPTION 1982

Art Center College of Design
Pasadena, California

Oct. 30 - 31, 1982

The Los Angeles Chapter of ACM - SIGGRAPH would like to gratefully acknowledge and dedicate the show to General Electric for their PJ5050 lightvalve video projection system and all those contributors of program material for without which this program would not have been possible.

Produced by EDWARD R. ARROYO
Moderator: PETER SORENSEN

TRON / FLYNN'S RIDE	Robert Able & Assoc. Kenny Mirman, art director Frank Vitz, art director Bill Kovacs, technical director	1:30 Min.
ZGRASS, EINSTEIN	Real Time Design Inc. Tom DeFanti, computer graphics. Dan Sandin, video processing	2 Min.
SPIRAL 5, P.T.L. (PERHAPS THE LAST)	Tom De Fanti, computer graphics Dan Sandin, video processing Mimi Shevitz, audio synthesis	6:47 Min.
THE TEMPEST	Dean Winkler, video Tom DeWitt, video Vibeke Sorensen, video & audio Walter Michael	4:45 Min.
SNAKE, RAFFLE, & ROLL	Zsuzu Molnar Frank Dietrich	2:16 Min.
PENTAGON	Jo Ann Gillerman	1 Min.
SUNSTONE	Ed Emswiller	3 Min.
UNIVERSITY OF NORTH CAROLINA COMPUTER SCIENCE DEPT.	University of North Carolina	5 Min.
SCENE SIMULATION - PILOT TRAINING SEQUENCES	Evans and Sutherland	3 Min.
BLACK HOLE / TITLE ANIMATION	Robert Abel & Assoc. C.D. Taylor, art director Mike Haggarty, art director Bill Kovacs, technical director	3 Min.
"1982" EXPERIMENTAL WORKS FOR REAL TIME ANIMATION USING RASTER GRAPHICS TERMINAL	Texnai/ Ashai Broadcasting Co.	5 Min.

FOUR SEASONS OF JAPAN	NHK Mayami Yoshinari, producer	5 Min.
SAMPLER, N.Y.I.T.	New York Institute of Technology	7 Min.
SAMPLER/PENTEL COMMERCIAL	Pacific Electric Pictures	2 Min.
WORM WAR	Mathematical Applications Group, Inc. Richard Taylor, director/designer	1 Min.
SAMPLER, CRANSTON/CSURI	Cranston/Csuri Productions	6:10

DIGITAL LASER SHOW	Lasermedia, Inc. Frank Foster	4 Min.

DREAM FLIGHT	University of Montreal, Hautes Etudes Commerciales Philippe Bergeron Nadia Magnenat-Thalmann Daniel Thalmann	11 Min.
SCENES FROM CRITICAL MASS	David Ea, computer graphics James Seligman Jim Blinn, software design Dan Sofer, music	
VOYAGER II GALILEO, MISSION TO JUPITER BLDBBYMAN	Dr. Jim Blinn, software design Dan Sofer, music	10 Min.
CARLA'S ISLAND	Lawrence Livermore Laboratories Nelson Max, designer	3 Min.
VOL LIBRE	Loren Carpenter, designer/software	2 Min.
SAMPLER-I.I.I.	Information International, Inc. Richard Taylor Art Durinsky Bill Dungan	7 Min.
TRON SEQUENCES	Mathematical Applications Group, Inc. (MAGI / Synthavision) Information International, Inc. (Triple-I) Robert Able & Assoc. Digital Effects, Inc. Richard W. Taylor, special effects supervisor	10 Min.

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- Adjacent Room -

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DIGITAL COMPUTER ANIMATION	Acme Cartoon Company, Inc. Dallas, Texas
SAMPLER, AURORA SYSTEMS	Aurora Systems San Francisco, California
COMPUTER GRAPHICS LAB/PAINT SYSTEM	Computer Graphics Lab, Inc. New York, New York
SAMPLER, J. F. CULVER	J. F. Culver De Kalb, Illinois 60115
SAMPLER, DIGITAL EFFECTS	Digital Effects, Inc. New York, New York
SAMPLER, ELECTRONIC ARTS	Electronic Arts, Ltd. London, England
GRUMMAN NON-EDGE CIG	Goeffrey Gardner, Grumman Aerospace Corp. Bethpage, New York
SAMPLER, DAVID GESCHWIND	David Geschwind, Digital Video Systems, Inc. New York, New York
GRAPHIC HARMONY	Polaroid Corporation Cambridge, Massachusetts
SAMPLER, PROGENY	Steine & Woodby Vasulka; Brad Smith Santa Fe, New Mexico
SAMPLER, BARBARA SYKES	Barbara Sykes Chicago, Illinois
MONTANA	Jane Veeder, Electronic Visualization Center Chicago, Illinois

JOHN WHITNEY, SR. - Computer Graphics innovator and developer of the 'slit-scan' process used to create the special effects in contemporary films, author of 'Digital Harmony', and producer of the films 'Arabesque' and 'Permutations'.

NICK PAVLOVIC - General Chairman, "The Designer and Computer Graphics Showcase," Chairman, L.A. Chapter of ACM SIGGRAPH. President of Visual Data Enterprises, computer graphics consultant. Instructor of Computer Graphics at West Coast University.

JOAN COLLINS - Operations Manager for "The Designer and Computer Graphics Showcase. Art director and promoter at Concerts WEST and The Seattle Historical Music Hall.

JOE HENERY - Vice President and Assistant Director, Art Center College of Design.

MARGARET BRUCATO - Director of Alumni Relations, Art Center College of Design.

EDWARD HANAK - Senior Vice President of Development, Art Center College of Design.

ART DURINSKI - Designer and Art Director of digital scene simulation for Information International Inc. Object digitizer in the Computer Generated Images Unit for the Disney movie "TRON." Instructor of motion graphics at UCLA.

MAXINE BROWN - Director of Documentation, Digital Productions. Technical coordinator of Business Graphics courses for the SIGGRAPH Conferences, 1981-1983. Formerly with ISSCO Graphics, a leading supplier of data presentation graphics software, working in the documentation, development and marketing areas. Secretary of the national SIGGRAPH organization.

JAMES BLINN - Designer of computer graphic effects in the Voyager Saturn Fly-By simulation for Jet Propulsion Laboratory. Creator of computer graphics for the television series COSMOS. Currently teaching computer graphics at the Art Center College of Design.

ED ARROYO - President of Applied Entertainment Technologies. Technical Director for "The Designer and Computer Graphics Showcase."

PETER SORENSEN - Computer animation consultant and art director. Created the documentational article on TRON in Cinefex magazine.

SANDRA MILES - Software consultant for CORE, the computer software division of Herman Miller. Responsible for the Western Region including Alaska and Hawaii.

SYD MEAD - Author, illustrator, designer, architect, and consultant. His work has been featured in Tron, Star Trek, and Bladerunner. His illustrations have been reproduced in books for National Geographic, Nasa and other publications. Next year Hansen Galleries of New York will stage a major retrospective of Syd's work at the Museum of the Surreal and Fantastique.

DAVID EM - Independent Artist and Filmmaker. Featured on PBS series "Artists in the Lab." Recently awarded American Business Press's JESSE H. EDITORIAL ACHIEVEMENT AWARD, for his writing on Computer art.

DONALD R. FULLENWIDER - Vice President - Corporate Director of Computer Services for Welton Becket Associates. Provided general computer-aided design consulting to architecture and engineering firms in the areas of development and implementation of automated systems for design and production.

MICHAEL WAHRMAN - Representing Robert Abel & Associates, producers of T. V. commercials for 7-Up, Levi Strauss, and Braun Shavers.

RICHARD TAYLOR - One of the main creative forces behind the computer graphics for the motion picture TRON. Executive Creator Director of Magi West. His past experiences include three years as Creative Director of Computer Simulation at Information International, Inc., design of miniatures for "Star Trek the Motion Picture", and five years as a designer / director at Robert Abel and Associates.

RON HAYS - Creator of first full multi-media music concerts and first visual music artist with work in "Star Wars" in world-wide distribution as videodisc and videocassette, "Odyssey." Winner of numerous awards including one Emmy and a nomination for his tv / film electronic graphic design work.

ED EMSWILLER - Provost and Dean of film and video at California Institute of the Arts. Renowned for experimental graphic effects in video at N.Y.I.T.

DEREK LEE - Representing Evans and Sutherland, leaders in the creation of real-time simulation and design.

AME FLYNN - President of TechniGraphics. Her background in the fine arts includes 12 years of formal education culminating at the Rhode Island School of Design. She is a member of the faculty at the New School in New York teaching courses in microcomputer graphics. Her clients have included McGraw-Hill, Merrill Lynch, PBS and New York University's Alternate Media Center.

LISSA GOLDENSTEIN - Marketing Representative, McDonnell Douglas Automation. Bachelors Degree in Architectural Engineering, Pennsylvania State University (1973 - 1978). Three years of structural engineering experience with Leo A. Daly Co.

JANEK KALICZAK - Director, electronic special effects. Theatrical and lighting consultant. Live computer graphics at US Festival and live theatrical design for Castle Dracula, Screen Test Theater, and Special Effects Sound Stage at Universal Studios Tours.

E.P. MILES Professor in the Department of Mathematics / Computer Science and the Director of the Center for Color Graphics at FSU. He has given more than 100 lectures on color graphics to audiences around the country and abroad. Most of the lectures were under the ACM Lectureship Program.

GARY BEYDLER - Regional Manager for Via Video. He has marketed Computer Graphics and Video Animation Systems in the United States and abroad. Producer of independent films and videotapes.

MARGARET CHOCK, PH.D. - Independent Consultant with a Ph.D. in Computer Science, UCLA, 1982.

RUSSELL WISE - Sales and marketing for Baush and Lomb Graphics Division. Speaker for Toastmasters International.

THOMAS KRAN - Computer Aided Design Group.

FRANK DIETRICH - Datamax. Instructor at the Art Institute of Chicago.

COCO & PETER CONN - Owners of Homer and Associates.

ANNETTE DELZOPPO - Photographer, Filmmaker, and Document Artist for designers work. Presenting Professor Ron Resch, Austin University Computer Science, work of 3-D Computer-Aided designed thirty foot aluminum Ukrainian easter egg in Canada.

THE DESIGNER AND COMPUTER GRAPHICS SHOWCASE

OCTOBER 30 & 31, 1982

ART EXHIBIT
COMPUTER ASSISTED ART
THE COMPUTER'S VIEW OF ART
AN ARTIST'S VIEW OF COMPUTERS
ROOM 204

SATURDAY 9:00 A.M. MAIN AUDITORIUM

INTRODUCTION: NICK PAVLOVIC CHAIRMAN L.A. CHAPTER OF ACM SIGGRAPH

KEYNOTE ADDRESS: JOHN WHITNEY, SR., "MUSIC MADE VISIBLE"

PARALLEL PROGRAM SESSIONS

SATURDAY

A

B

C

10:00 FOURTH GENERATION HIGH PERFORMANCE
COMPUTER-AIDED DESIGN
DEREK LEE, EVANS AND SUTHERLAND

ADVERTISING, COMPUTER GENERATED COMMERCIALS
MICHAEL WAHRMAN, ROBERT ABEL AND ASSOCIATES

WHAT COMPUTER GRAPHICS CAN DO FOR YOU
ISSCO GRAPHICS

11:00 FORUM: COMPUTERS IN EDUCATION
JOHN WHITNEY, SR., MODERATOR

CADD SYSTEMS AND FACILITY MANAGEMENT
SANDRA MILES, HERMAN MILLER, INC.

ARTISTIC DESIGN
CHROMATICS

12:00 VENDOR EXPOSITION
LUNCH BREAK

COMPUTER ANIMATED LASER
FRANK FOSTER, LASER MEDIA

VENDOR EXPOSITION
LUNCH BREAK

2:00 UNDERSTANDING COMPUTER GRAPHICS
NICK PAVLOVIC, VISUAL DATA ENTERPRISES

3-D SCIENCE SIMULATION
ART DURINSKI, INFORMATION INTERNATIONAL, INC.

COMPUTERS, A DESIGN TOOL
LISSA GOLDENSTEIN, MCDONNELL DOUGLAS CORPORATION

3:00 ARCHITECTS AND COMPUTER GRAPHICS
DONALD R. FULLENWIDER, WELTON BECKET ASSOCIATES

SCIENTIFIC ANIMATION
JAMES BLINN, JET PROPULSION LABORATORY

CHOOSING THE RIGHT GRAPHICS DEVICE TYPE
ISSCO GRAPHICS

4:00 "COLOR"
MORRIS SAMIT, POLAROID CORPORATION

2-D DATA DISPLAYS
DR. MARGARET CHOCK

PARALLEL PROGRAM SESSIONS

SUNDAY

A

B

C

10:00 CREATIVE ART AND DESIGN IN THE 80'S
E.P. MILES, JR., ACM LECTURER

"THE MAKING OF SUNSTONE"
ED EMSHWILLER, CALIFORNIA INSTITUTE OF THE ARTS

VISUAL MUSIC
RON HAYS, MUSIC IMAGE

11:00 ARCHITECTURAL DESIGN
RICHARD DOO, ARCOMP SYSTEMS, LTD.

ART AND ANIMATION
DAVID EM, INDEPENDENT FILM MAKER

WHAT COMPUTER GRAPHICS CAN DO FOR YOU
ISSCO GRAPHICS

12:00 VENDOR EXPOSITION
LUNCH BREAK

COMPUTER ANIMATED LASER
FRANK FOSTER, LASER MEDIA

VENDOR EXPOSITION
LUNCH BREAK

2:00 INTER-FACING AND COMPUTER GRAPHICS
PETER & COCO CONN, HOMER AND ASSOCIATES

FORUM: COMPUTER GRAPHICS WITHIN A BUDGET
JANEK KALICZAK, MODERATOR

ARTIST ORIENTED COMPUTER GRAPICS
GARY BEYDLER, VIA VIDEO

3:00 "BREAKING THE MYSTIQUE"
ANE FLYNN, TECHNIGRAPHICS

COMPUTERS IN ENTERTAINMENT
RICHARD TAYLOR, MAGI-SYNTHAVISION, INC.

CHOOSING THE RIGHT GRPHICS DEVICE TYPE
ISSCO GRAPHICS

4:00 CONCEPTUAL DESIGN
SYD MEAD

THE ART OF BUSINESS GRAPHICS
MAXINE BROWN, DIGITAL PRODUCTIONS

COMPTER GRAPHICS, REAL TIME ANIMATION
FRANK DIETRICH, DATAMAX

5:00 COMPUTER SYSTEMS
THOMAS KRAN, COMPUTER AIDED DESIGN GROUP

FORUM: FUTURES IN DESIGN
PETER SØRENSEN, MODERATOR
SYD MEAD AND RICHARD TAYLOR

LOW COST C.A.D. FOR ARCHITECTURE
RUSSELL WISE, BAUSH & LOMB

ART EXHIBIT
COMPUTER ASSISTED ART
THE COMPUTER'S VIEW OF ART
AN ARTIST'S VIEW OF COMPUTERS
ROOM 204

6:30 & 8:30

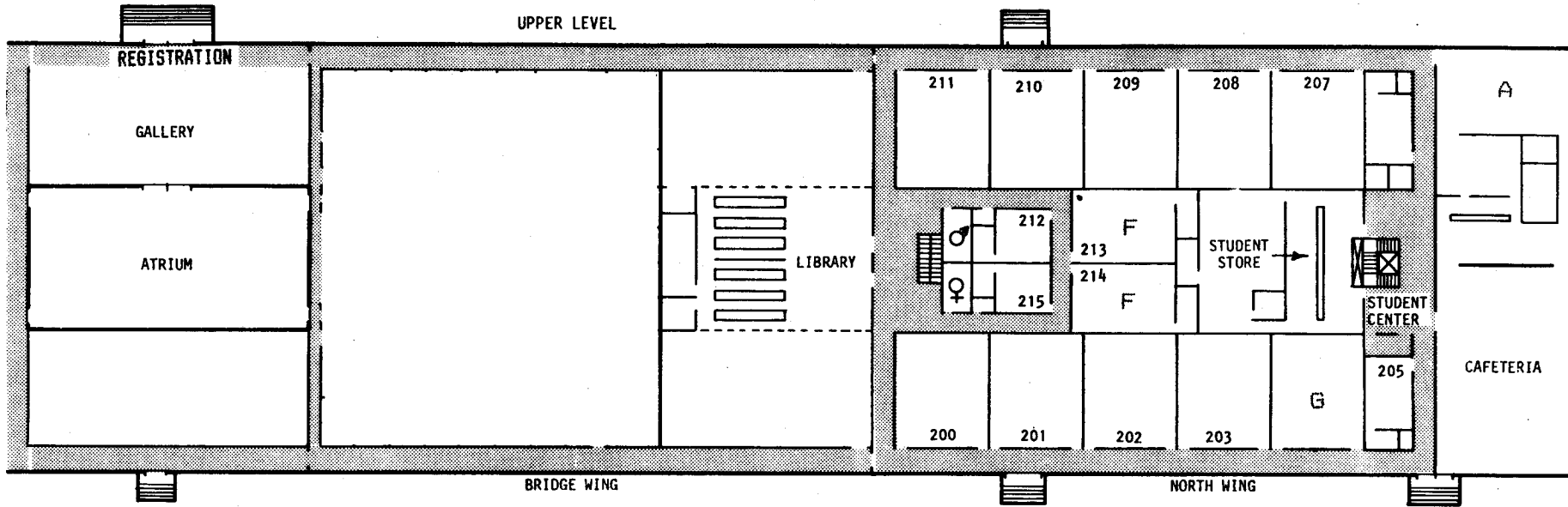
FILM AND VIDEO FESTIVAL

PETER SØRENSEN, M.C.

DEMONSTRATIONS
ON-GOING AUDIO-VISUAL
PRESENTATIONS OF COMPUTER-AIDED
DESIGN AND GRAPHICS
ROOM 213 & 214

THE DESIGNER AND COMPUTER GRAPHICS SHOWCASE

SESSIONS & EXHIBIT AREA



ROOM LEGEND

- A - PARALLEL SESSION A
- B - PARALLEL SESSION B
- C - PARALLEL SESSION C
- D - COMMERCIAL EXHIBIT
- E - SPECIAL EXHIBITS
- F - ON-GOING VIDEO & SLIDE PRESENTATIONS
- G - ART EXHIBIT

