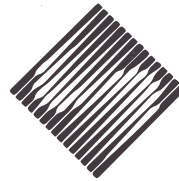
ACM SIGGRAPH VIDEO REVIEW



ISSUE 81

ACM SIGGRAPH '92
Electronic Theater
(part 1 of 2)

Table of Contents

1. **Windy City** - *R/Greenberg Associates, Inc. New York*
2. **Coca-Cola/ AMC** - *MetroLight Studios*
3. **"Let's Get Rocked"** - *Limelight*
4. **S.C.A.M. Starving Computer Artist's Market** - *NYIT*
5. **Ex memoriam** - *AGAVE SA*
6. **Caustic Sky: A portrait of regional acid deposition** -*NCSC*
7. **The Living Room** - *Texas A&M University*
8. **Rien Qu'un Souffle (A slight breeze)** - *Videosystem*
9. **The Seven Wonders of the World** - *Electric Images, UK, Ltd.*
10. **The Ancient World Revisited, Part II** - *Taisei Corporation*
11. **Sketches of Rome** - *William Paterson College*
12. **Banri no Chojo (Odyssey of the Great Wall)** - *TBS*
13. **Fire and Air** - *OSTRA DELTA*
14. **Fractal Ellipsoid Fire** - *Geoffrey Y. Gardner*
15. **Sound Rendering** - *George Washington University*
16. **In Search of Performing Axis** - *Polygon Pictures*
17. **Eccentric Dance** - *META Corporation, Japan*
18. **Tagada & Fugue** - *Little Big One/Guionne Leroy/La Cambre*
19. **Returning Waves (Namigaeshi)** - *Dai Nippon Printing Co.*
20. **Bande-Annonce de la Quinzaine** - *Fani Films/DHD PostImage*
21. **Le Concombre Masque/The Lone Cuke** - *Neurones Cartoon*
22. **PDI Scenes from "The Last Halloween"** - *PDI*
23. **Siemens "Aliens"** - *Spans & Partner*
24. **SpaceBoy in "SKY HIGH SCRAMBLE"** - *Blue Sky Product.*
25. **The Incredible Crash Dummies** - *Lamb & Company*
26. **MandelSplat** - *Booker C. Bense*
27. **FIGURE to FIELD** - *Barbara Mones-Hattal and Ken O'Connell*
28. **Shield Soap** - *MetroLight Studios*
29. **Reebok "Cowardly Baskets"** - *Rhythm & Hues*

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ACM SIGGRAPH
Video Review

Issue 81

ACM SIGGRAPH '92
Electronic Theater
(part 1 of 2)

1. Windy City

Time: 00:00:29

Produced by:
R/Greenberg Associates, Inc.
New York

Contributors:
Director/Designer: Joe Francis; Producer: Chip Houghton; CGI Animators: Jacques Stroweis, David Horsley, C. Robert Hoffman III, Mark Voelpel, Eileen O'Neill, Joe Francis; Digital Retouchers: Robert Bowen, Karen Sideman, Brian Loube; Stock Photography: The Image Bank, NYC; Original Photography: Dan Wilby, Robert Bowen; Type Designer: Michael Riley; Editor: Nelson Sacristan; Original Music: Elias Associates, Inc.

Contact:
Joe Francis
R/Greenberg Associates
350 West 39th Street
New York, NY 10018
(01) 212-239-6767

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FAX: 708-250-0038

2. Coca-Cola/ AMC

Time: 00:00:27

Produced by:
MetroLight Studios

Summary:
This piece is a photo-realistic simulation of the surface of a soft drink, including wave motion, effervescence, bubbles, and floating ice cubes.

Produced by:
MetroLight Studios for McCann-Erickson/Atlanta

Contributors:
Creative Director: Jon Townley; Executive Director: Dobbie Schiff; Director/Designer: Jeff Doud; Producer: George Merkert; Technical Directors: Tim McGovern, Jerry Weil, Kelley Ray, John McLaughlin; Modelers: Eduardo Batres, Bill Kent, Alan Ridenour, Con Pederson; Software: Rob Rosenblum; Post Production: Gayle Reznik

Hardware:
Solbourne 5-604, SGI 4D workstation, A 60 and A 66 Abekas, Celco Film Recorder

Software:
MetroLight proprietary

Contact:
Dobbie Schiff
MetroLight Studios
5724 West Third Street
Los Angeles, CA 90036
(01) 213-932-0400
(01) 213-932-8440 fax

3. "Let's Get Rocked"

Time: 00:04:54

Produced by:
Limelight

Summary:
Music video for Def Leppard's song, "Let's Get Rocked," done in a mixture of live-action and state-of-the-art computer graphics.

Contributors:
Producer: Siobhan Barron; Director: Steve Barron; Animators: Ian Pearson/Tim Waddy/ Philippe Panzini

Hardware:
SGI 440, 320, and 35
SGI Personal IRIS

Software:
Softimage

Contact:
Holly Ashwell
Limelight, Inc.
6806 Lexington Avenue
Los Angeles, CA 90038
(01) 213-464-5808
(01) 213-464-3109 fax

4. S.C.A.M. Starving Computer Artist's Market

Time: 00:01:39

Produced by:
New York Institute of Technology (NYIT)

Summary:
S.C.A.M. is a spoof on electronic art being sold as print art to the general public.

Contributors:
Scott Breger, Dave Barosin, Margaret Brodtman, Donna Minerva, Steve Schaffer, Peter Traugot, Brian Maroldo; Producer: Peter Voci

Hardware:
DEC Micro PDP 11, 286 PC with custom buffers

Software:
NYIT custom

Contact:
Peter Voci
New York Institute of Technology
Fine Arts Center
Old Westbury Campus
Old Westbury, NY 11568
(01) 516-686-7604
(01) 516-686-7542 fax

5. Ex memoriam

Time: 00:02:00

Produced by:
AGAVE SA

Summary:
This is the story of a working memory: its resistances, its little noises, its concert, its worthless words. . .On a "Hand's labyrinth," the camera follows a long circuit (memory) and stops by precise hands (instants). We'll never see the whole labyrinth: memory's representation will stay confused forever.

Contributors:
Director & Author: Beriou

Hardware:
Apollo/Hewlett-Packard

Software:
SV.4

Contact:
Nathalie Vivien
AGAVE SA
Cap 108, 67 rue Robespierre
Montreuil Cedex 93558
France
(33) 1-48-57-89-06
(33) 1-48-57-93-32 fax

6. Caustic Sky: A portrait of regional acid deposition

Time: 00:03:45

Produced by:
North Carolina Supercomputing Center (NCSA)

Summary:
The causes of sulfuric acid deposition in the Eastern US and Canada are shown graphically using data generated from the US EPA's Regional Acid Deposition Model(RADM). The data are shown with representation methods such as volume rendering, isosurface generation and sonification.

Contributors:
Christopher Landreth, Robin Dennis, Dave Bock, Tom Palmer, Ed Williams, Scott Barber, Mike Clark, John McHenry, Dae Won Byun, Steve Thorpe, Theresa Rhyne

Sponsor:
US Environmental Protection Agency

Hardware:
Cray Y-MP 8/464, SGI 4D/280GTX server and 4D/35TG workstations

Software:
Softimage 4D Creative Environment, Wavefront Advanced Visualizer, NCSC Visualization Software

Contact:
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North Carolina Supercomputing Center (NCSC)
3021 Cornwallis Road
Research Triangle Park, NC 27709
(01) 919-248-1141
(01) 919-248-1101 fax
landreth@doppler.ncsc.org

7. The Living Room

Time: 00:01:20

Produced by:
Texas A&M University

Summary:
The animation contrasts everyday design problems to the larger problems of urban planning. It is the introduction to a larger video titled "Visualizing Change Before It Occurs." The animation was designed and executed in large part by graduate students in the Visualization program at Texas A&M University.

Producer:
Susan Van Baerle

Contributors:
Gayle Ayers, Matthew Brunner, Darrin Butts, Ed Cunnius, Eric Flaherty, Elnor Kinsella, Thomas Linehan, James Price, Umakanth Thumrugoti; Producer: Susan Van Baerle

Sponsor:
The Design Arts Program, The National Endowment for the Arts

Hardware:
Silicon Graphics, Abekas

Software:
Wavefront, Softimage, Discreet Logic (Eddie)

Contact:
Susan Van Baerle
Visualization Laboratory
Texas A&M University
College Station, TX
77843-3137
(01) 409-845-3465
(01) 409-845-4491 fax
sue@archone.tamu.edu

8. Rien Qu'un Souffle (A slight breeze)

Time: 00:00:45

Produced by:
Videosystem

Summary:
Drapes floating in the wind.

Contributors:
Daniel Borenstein, Didier Levy, Shinji Santoh

Hardware:
Silicon Graphics Power Series 4D-480 and Solitaire and Oxberry 35mm camera

Software:
Dynamic in-house software and TDI rendering

Contact:
Alain Guiot
Videosystem
107, rue du Fg St-Honoré
75008 Paris
France
(33) 1-44-13-50-50
(33) 1-44-13-50-60 fax

9. The Seven Wonders of the World

Time: 00:01:00

Produced by:
Electric Images, UK, Ltd.

Summary:
The seven wonders of the ancient world recreate themselves in their full glory - the Colossus of Rhodes rises from Rhodes harbour, the Temple of Zeus rebuilds itself complete with a forty foot living Zeus, the Mausoleum at Halicarnassus materializes in a modern city - all at a level of realism that has rarely been seen.

Contributors:
Electric Image UK Ltd - Paul Docherty, Ian Bird, David Benson, Sam Breach, Stephen Coren, Martin Foster, Karen Halliwell, Ian MacFadyen, Martin Nicholas, Simon McKeown, John Wake, Stewart McEwan, Theo Lake, Jill Munro, Angie Wills. Zepia Film and Television, Denmark: Jorgen Riis; Post Production at Wiseman, London: Paul Farrell; Telecine: Jim Hogan
Thompson Digital Image, Paris (Plant Software), Produced by Zepia Film and Television Denmark, for Jydsk Telefon Denmark

Hardware:
Sun and Silicon Graphics workstations, AT&T Pixel Machines

Software:
Electric Images' Synthacam, TDI Explore and AMAP, Digital Arts

Contact:
Angie Wills
Electric Images, UK, Ltd.
36/38 Lexington Street
London
W1R 3HR
United Kingdom
(44) 71-287-8800
(44) 71-287-3750 fax

10. The Ancient World Revisited, Part II

Time: 00:02:00

Produced by:
Taisei Corporation

Summary:
This animation was originally produced for the NHK documentary series, "The Mongol" based on the archaeological research, it aims to reproduce with the greatest possible authenticity the architecture and city-scape of capitals of the Mongol Empire and Mongol-ruled China, Qaraqorum and Dadu (modern Beijing).

Contributors:
Animation: Osamu Ishizawa, Nobushige Maruta, Takashi Izato; Modeling: Yoshiki Nishimura, Yuka Kono, Madoka Kikuchi, Sawako Furihata, Ayumu Fukase, Shigeki Yoshida, Midori Ueda

Music:
Composed and Performed by Isao Tomita, BMG VICTOR Inc.

Hardware:
VAX6000, IRIS 4D/35TG,IRIS 4D/440S, Symbolics

Software:
GDS, PATAPATA, Links, S-geometry, Explore

Contact:
Makoto Majima
Taisei Corporation
25-1, Nishi-Shinjuku
1-Chrome
Shinjuku-ku, Tokyo 163-06
Japan
(81) 33-348-1111
(81) 35-381-5221 fax

11. Sketches of Rome

Time: 00:02:00

Produced by:
William Paterson College

Summary:
Sketches of Rome is an architectural animation. The piece focuses on the Pantheon and a Roman villa seen as they may have looked in ancient Roman times. The vehicle for viewing these structures is a sketchbook. The sketchbook appears in a present-day Roman plaza. Drawings in the book reveal the ancient Roman scenes.

Contributors:
Director: David Haxton; Assistant Directors: Chris Davies, Jennifer Shingelo; Technical Director: Dan Janowski; Production managers: Bridget Gaynor, Jane Mullaney; Modelers and Animators: Chris Davies, Linda DeLeo, Bridget Gaynor, Dan Janowski, James Lee, Jane Mullaney, Jennifer Shingelo, Soung Nguy

Hardware:
Silicon Graphics 4D series

Software:
Alias 3.1, Answer by 42INC

Contact:

David Haxton
Art Department
Center for Computer Art
and Animation
William Paterson College
300 Pompton Road
Wayne, NJ 07470
(01) 201-595-2722
(01) 201-595-3273 fax

12. Banri no Chojo (Odyssey of the Great Wall)

Time: 00:01:25

Produced by:
TBS

Summary:
This computer-animated segment is from a television program that illustrates the wonderous architecture and history of the Great Wall of China.

Contributors:
Yukihiro Noda; Producer: Kazuhiko Hoshi

Hardware:
Symbolics XL1200

Software:
S-Products

Contact:

Yukihiro Noda
TBS Vision CG Room
5-2-8 TBS Bekkan 1F
Akasaka Minatoku,
Tokyo 107
Japan
(81) 33-505-7092
(81) 33-505-7451 fax

13. Fire and Air

Time: 00:00:32

Produced by:
OSTRA DELTA

Summary:
This opening animation was created for the Spanish Pavilion World Expo '92. The piece begins with the formation of the plaza. Particles flow, like the active streets of cars and people, towards the center of the plaza, the center of the fiesta. The dance is in the fire. The fire is the sun. From the fiery sun, fireworks erupt to form the symbol of the Spanish Pavilion. All of these elements combine to create an animated vision of the spirit of Spain.

Particle system software and specialized programs were utilized to create the natural, flowing, intricate movement.

Contributors:
Direction: Rebecca Allen; Design: Juan Delcan, Rebecca Allen; Production Manager: José Muniain; Animation: Pedro Blanco; Music: Juan Alberto Arteche; Post Production: Telson; Digital Post Production: Juanjo Redondo; Logo Design: José Luis Giménez de Pueblo

Hardware:
SGI IRIS 4D/70
SGI IRIS Power Vision 320

Software:
TDI Explore
Telson

Special Thanks:
Reina Sofiá Modern Art Museum

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Contact:
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OSTRA DELTA
Don Ramon de la Cruz, 75,
1°A
28001 Madrid
Spain
(34) 1-401-88-00
(34) 1-401-09-89 fax

Rebecca Allen (in USA)
(01) 310-278-2980
(01) 310-278-3118 fax

14. Fractal Ellipsoid Fire

Time: 00:01:30

Produced by:
Geoffrey Y. Gardner

Summary:
Grumman models fire with fractal ellipsoids. The Boise Interagency Fire Center is using the Grumman model in a training video for fire fighters to illustrate rapid fire propagation in specific terrain configurations. Two excerpts are shown.

Contributors:
Bill Wertz, Jim Cook, Bob Kambitsch

Sponsor:
Grumman Data Systems

Hardware:
SGI 4D/25G Personal IRIS

Software:
Original FORTRAN

Contact:
Geoffrey Y. Gardner
Grumman Data Systems
MS D12-237
1000 Woodbury Road
Woodbury, NY 11797
(01) 516-682-8417
(01) 516-682-8357 fax

15. Sound Rendering

Time: 00:01:10

Produced by:
George Washington University

Summary:
The animations were created using a new technique to generate and synchronize sound. A sound world is modeled by associating a characteristic sound for each object in a scene and then rendered by tracing the propagation paths from these 3D objects to each microphone.

Contributors:
Randy Rohrer, Youngses Park, David Florek; Producer: Tapio Takala, James Hahn

Hardware:
Macintosh II, HP 835 Turbo SRX

Software:
Tapio Takala, Rayshade

Contact:
James K. Hahn
The George Washington University
Department of EE&CS
801 22nd Street, NW
Washington, DC 20052
(01) 202-994-5920
(01) 202-994-0227 fax
hahn@seas.gwu.edu

16. In Search of Performing Axis

Time: 00:00:36

Produced by:
Polygon Pictures

Summary:
This film is the result of our project to complete a character-based computer animation film. Based on the Skeleton Coordinate system, our system provides a complete mechanism for manipulation of various shapes of objects. Here we also introduce our new 3D painting system and particle renderer.

Contributors:
Toshifumi Kawahara, Takashi Fujumoto, Hideki Okano, Toshiaki Katoh, Keiichi Kameda, Yasuo Tojo, Toshiaki Shiozawa

Hardware:
SGI IRIS 4D Series,
SUN SPARCstation series

Software:
Original software MESOZOIC

Contact:
Toshifumi Kawahara
Polygon Pictures
T11, 2-2-43 Higashi Shinagawa
Shinagawa-ku, Tokyo140
Japan
(81) 33-473-4321
(81) 33-474-4322 fax

17. Eccentric Dance

Time: 00:00:56

Produced by:
META Corporation, Japan

Summary:
A woman's torso made of only 24 super metaballs dances about randomly. The super metaball is a modeling primitive with density distributions that form equidensity surfaces at a threshold level. This animation is the first attempt to apply metaballs of eccentric density distribution to a human figure.

Contributors:
Artist: Eiji Takaoki; Music: Haruhiko Noda; Assistant: Takashi Isoko.

Hardware:
SGI IRIS Indigo

Software:
METAEDITOR, METARENDERER (original software)

Contract:
Bruno Tsuchiya
META Corporation Japan
Hanabusayama Heights

#103
3-10-51 Kamiohsaki
Shinagawa-ku, Tokyo 141
Japan
(81) 33-449-1261
(81) 33-449-1262 fax

18. Tagada & Fugue

Time: 00:04:00

Produced by:
Little Big One/Guionne Leroy/La Cambre

Summary:
The Bochloi Theatre presents a very special version of the ballet, "Kohpelia," starring Vladimir and Birgit as soloists. These two famous dancers are performing together for the first time. This might be an explosive meeting.

Hardware:
Silicon Graphics

Software:
1Toon3/Mikerinos SoftOriginal for 3D animation created by Stephane Simal at Little Big One

Contact:
Guionne Leroy
Little Big One
34 Rue Du Danemark
1060 Brussels
Belgium
(32) 2-773-4811
(32) 2-773-4888 fax

19. Returning Waves (Namigaeshi)

Time: 00:04:00

Produced by:
Dai Nippon Printing Co.

Summary:
This work is introduced at the Japan Pavillion at EXPO '92 in Seville. In it, we visualized the Japanese sense of beauty in a modern style

Contributors:
Tsuyoshi Teshima, Masahiko Kishi, Hirotaka Harase, Shigeru Komatsubara, Hideki Murota, Akira Takakura, Kazuhiko Yoshida, Masao Sugawara, Masako Iimori, Shigefumi Kawase, Noriko M. Kobayashi, Takashi Kokubo, Takeshi Fujimori, Miki Okoshi

Hardware:
SGI IRIS 4D, Sun 3

Software:
P-Render (In-house software)
Advanced Visualizer (Wavefront)

Contact:
Hiro Harase
Dai Nippon Printing Co., Ltd.
1-1, Ichigaya -Kagacho
1-Chrome, Shinjuku-ku
Tokyo 162-01
Japan
(81) 33-266-3508
(81) 33-266-4599 fax

20. Bande-Annonce de la Quinzaine

Time: 00:00:30

Produced by:
Fani Films/DHD PostImage

Summary:
Opening sequence for Quinzaine des Realizateurs (Director's Fortnight) at Cannes Film Festival 1992.

Contributors:
Director: Nick Boisvert

Hardware:
SGI Personal Iris

Software:
Softimage 4D Creative Environment

Contact:
Bruce Granofsky
DHD PostImage
6265, rue St-Jacques
Montréal, Québec H4B 1T8
Canada
(01) 514-489-8989
(01) 514-489-0242 fax

21. Le Concombre Masque/ The Lone Cuke

Time: 00:03:00

Produced by:
Neurones Cartoon

Summary:
The Lone Cuke consists of 52 6:30 episodes. The series uses the basic fantasy world made popular by the comic, i.e. the central characters Cuke and Kohlrabi. The scripts are adapted from the first three albums of the famous Nikita Mandryka.

Hardware:
Macintosh, Silicon Graphics

Software:
Chromos Pygma Advanced Visualizer de Wavefront

Contact:
Paul Hannequart
Neurones Cartoon
Quai Van Beneden 3
4020 Liege
Belgium
(32) 41-44-28-00
(32) 41-44-29-27 fax

22. PDI Scenes from "The Last Halloween"

Time: 00:02:00

Produced by:
Pacific Data Images

Contributors:
Hanna Barbera, David Kirschner, Ken Koch, Don Cirillo, Savage Steve Holland, Sean Roche, Bruce Broughton, John Connor, Bill Eigenbrodt, Augie Hess, Alice Cassidy, C.S.A., Jim Davis, Gary Bentley, Boyington Films, Inc., William Hanna, Iwao Takamoto, Pacific Data Images, Carl Rosendahl, Brad Lewis,

Patty Wooton, Henry Anderson, Rex Grignon, Raman Hui, Glenn McQueen, Dick Walsh, Richard Chuang, Ray Giarratana, Ken Bielenberg, Sharon Calahan, Tod Heapy

Hardware:
Silicon Graphics workstations

Software:
Proprietary software

Contact:
Deborah Giarratana
Pacific Data Images
1111 Karlstad Drive
Sunnyvale, CA 94089
(01) 408-745-6755
(01) 408-745-6746 fax

23. Siemens "Aliens"

Time: 00:00:40

Produced by:
Spans & Partner

Summary:
The animated sequence is about three aliens who come to Earth and discover what they think is a space ship. This innovative character animation was produced using inverse kinematics for the motion and flexible envelopes for the modeling of the characters.

Hardware:
SGI

Software:
SoftImage

Contact:
Peter Spans
Spans & Partner
Buelaustr. 8
2000 Hamburg 1
Germany
(49) 40-280-3865
(49) 40-280-3467 fax

24. SpaceBoy in "SKY HIGH SCRAMBLE"

Time: 00:00:50

Produced by:
Blue Sky Productions

Summary:
Coming attraction: SpaceBoy, on a mission to demolish a derelict weather station, encounters more than he bargained for.

Contributors:
Chris Wedge, John Kahrs, Mark Borneman, Michael Ferraro, Carl Ludwig, Oliver Rockwell, Eugene Troubetzkoy, Alison Brown, David Brown, Brook Maher, Gary MacLaughlin, Brad deGraf, Matthew Hoffman; Motion Capture: Brad deGraf; Super Flo S.P.L., Francesco Chiarini, Umberto Lazzari; Special thanks to Homer & Associates

Harware:
IBM PVS Supercomputer

Software:
CGI Studio™

Contact:
Alison Brown
Blue Sky Productions, Inc.

100 Executive Boulevard
Ossining, NY 10562
(01) 914-941-5260
01) 914-923-9058 fax

Minneapolis, MN 55414
(01) 612-333-8666
(01) 612-333-9173 fax
11b0001@uc.msc.edu

25. The Incredible Crash Dummies

Time: 00:00:15

Produced by:
Lamb & Company

Summary:
Character animation for a toy manufacturer. A driving force in character animation. Guaranteed to "crack you up."

Contributors:
Beth Beyer, Bob Born, Paul Churchill, Keith Cormier, Marcia Dietrich, John Donkin, Rich Durkin, Scott Dyer, Jeff Faust, Scott Gaff, Gav Gnatovich, John Gorski, Doug Kingsbury, Larry Lamb, Pam Lehn, Mark Mariutto, Charlotte Matre, Richard Miller, Dave Novak, Doug Pfeifer, Ron Pitts, Jim Russell, Marci Selsberg

Hardware:
Silicon Graphics 4D/420, Abacus A60, Sony D1

Software:
Wavefront Technologies, Lamb & Company proprietary

Contact:
Larry Lamb
Lamb & Company, Inc.
1010 South 7th Street
Suite 600

26. MandelSplat

Time: 00:00:15

Produced by:
Booker C. Bense

Summary:
An amusing dive into the Mandelbrot Set.

Contributors:
John Moreland, Dave Nadeau, Jonathan Jenkins

Sponsor:
San Diego Supercomputer Center

Hardware:
Cray Y-MP and Network of Sun workstations

Software:
Mostly homegrown Mandelbrot viewer

Contact:
Booker C. Bense
San Diego Supercomputer Center
Box 85608
San Diego, CA
92186-9784
(01) 619-534-5118
(01) 619-534-5152
benseb@sdsc.edu

27. FIGURE to FIELD

Time: 00:05:00

Produced by:
Barbara Mones-Hattal and
Ken O'Connell

Summary:
The 23 segments in this animation were produced by 18 schools in Europe and the USA. Each school developed a transition from a Muybridge figure study to a geometric pattern.

Contact:
Barbara Mones-Hattal
George Mason University
Art & Art History
Department
4400 University Ave.
Fairfax, VA 22030
(01) 703-14993-1020

Contributors:
Royal College of Art,
London, England

Sup. Info. Com., Paris, France
Faculty: Marie-Anne Fontenier
Students: Alexandre Dubosc, David Martinez-Fernandez, Isabelle Sabaty

Utrecht School of Arts,
The Netherlands
Faculty: Mels Nieuwenhoven, Wijnand Ott, Leon Wennekes
Students: Paul Boots, Simone Brinkman, Joost Smit, Harold Kuiper, Allert Aalders
Special Thanks: Gerard Ranke

University of Illinois at Chicago, Electronic Visualization Laboratory,
Chicago, Illinois
Faculty: Dan Sandin
Students: Margaret B. Hallam, F. Joseph Hoy, Martin Donohue, Jason Leigh, Gary Lindahl, Alan Millman, Dana Plepys, Lewis Siegel

University of Illinois, Urbana-Champaign, Urbana, Illinois
Donna Cox

Epson School of Art and Design, England
Anne Lloyd

Rancho Santiago College,
Santa Anna, California
Faculty: Sharon E. Ford
Students: Randy Debber, Lynnie Sue, Richard Tirabasso, Michael Wood

School of Visual Arts,
New York, New York
Faculty: Bruce Wands
Students: Shirley Chin, Jill Hartley, Wichar Jiempreecha, Mikita Mikros, William Nelson, Dan Raabe

University of Oregon, Fine and Applied Arts, Eugene
Oregon
Faculty: Ken O'Connell.
Students: Bonnie Mitchell, Peter Patchen
Special Thanks: Paul Block CIS, Gary Meyers (CIS), Carl Johnson (Tektronix)

University of Central Florida,
Orlando, Florida
Faculty: Jacquelyn Ford Morie.
Students: Eduardo Arellano, Carl Juliao, Nick Lilavois, Ted Newman, Theresa Weber, Jason Wolbert

George Mason University, V.I.T. Animation Lab, Fairfax, Virginia
Faculty: Barbara Mones-Hattal
Students: Tamar Cohen, David Gessell, John Rainey, Karen Thorne, Erik Kunze

Universidad de les Illes Balears, Spain
Juan Montes de Oca

Universidad Complutense de Madrid, T.I.P.O., Madrid, Spain
Faculty: Gerardo Alvarez, Raquel Avila, Ursula Garcia, Gabriel Ibañez, Gustavo Lopez, Hipolito Vivar
Students: Ana Amada, Miguel G. Villaraco, Francisco Gomez, Salud Gismera, David Lopez, Alicia Martinez, Francisco Ortega, Ana Belen Sanchez, Begoña Toledano, Marta Zuñiga

Centre National de la Bande Dessinée et de l'Image, Angouleme, France

Ecole Nationale Superieure Des Arts Decoraties, Atelier D'Image Et D'Informatique, Paris, France
Faculty: Anne Brotot, Rodolphe Chabrier, Pierre F. Hénon, Jerzy Kular
Students: Beatrice Garnier Cousin, Delphine Potevin

University of California, Berkeley, Berkeley Electronic Architecture Research Studio, Berkeley, California
Faculty: Penny Dhaemers
Students: Alonzo C. Addison, Deanan Da Silva, Ruieta Da Silva, Chris Hamilton, Yifon Mao, James McNulty, Chinh Nguyenphue, James Spily, Lisa Stewart, Kevin Gilson.
Special Thanks: Roger Montgomery, Jean-Pierre Protzen

Ecole Cantonale D'art de Lausanne, Umite de Synthese de l'Image Numerique (USINE), Switzerland
Faculty: Gerald Garcia
Students: Giuliano Monza, Christian Moreillon, Konrad Walder

Rutgers University, Camden, New Jersey
Faculty: Anne Seidman
Students: J.N. Argentina, Adrienne Cavazos, Salvatore J. D. Paolo, Bob Hallisey
Music by: Glenn Smith, Skyeway MIDI Labs
Titles by: Jim Sayers, Sheridan College
Special Thanks: Sylvie Rueff, Rachael Nicole, Gray Lorig, David Potter, Zita Tyer, Carol Mattusch, George Mason University

28. Shield Soap

Time: 00:00:30

Produced by:
MetroLight Studios

Summary:
A bathroom comes to life to the sound of calypso music, thanks to computer-animated transformations. A shower head becomes a bugle, faucet handles become hands, a bath brush becomes a maraca, geometric shapes fly off of a shower curtain and soap bubble notes dance on a bar of Shield.

Produced by:
MetroLight Studios for Dream Quest Images

Contributors:
Creative Director: Jon Townley; Executive Producer: Dobbie Schiff; Director: Patrice Dinhut; Producer: George Merkert; Technical Directors: Jerry Weil, Aliza Corson, Alan Ridenour; Software: Rob Rosenblum

Hardware:
Solbourne 5-604, SGI 4D workstation, A 60 and A 66 Abekas, Celco Film Recorder

Software:
MetroLight proprietary

Contact:
Dobbie Schiff
MetroLight Studios
5724 West Third Street
Suite 400
Los Angeles, CA 90036
(01) 213-932-0400
(01) 213-932-8440 fax

29. Reebok "Cowardly Baskets"

Time: 00:00:30

Produced by:
Rhythm & Hues

Summary:
This combination live-action/ computer animation features an animated basketball backboard that conveys a number of emotions: curiosity, insecurity, fear and surprise, while interacting with a live-action basketball star.

Contributors:
Animation Company: Rhythm and Hues, Inc.; Hollywood - Director: Dan Quarnstrom; Effects Supervisor: Charles Gibson; Head Technical Director: Neil Richmond; Technical Directors: Michael Tigar, Jennifer Pearce, Min; Dynamics Software: Mark Henne; Animation Software: Paul Allen Newell; Rendering Software: Keith Goldfarb, Steve Gray; Editor: Rick Ross; Assistant Editor: Ladd McPartland; Producer: Lois Anderson; Executive Producer: Lisa O'Brien; Assistant Producer: Jean S. Tom; Production Company: Image Point Productions, Inc. Hollywood; Director: Richard Taylor; Producer/Post Production Supervisor: Nick Bates; Executive Producer, NY: Ivan Molomut; Executive Producer, LA: Jonathan Miller; Agency: CHIAT/DAY/MOJO, New York; Producer: Julie Hampel; Creative Director: Richard Sabean; Art Director: Gil Witt;
Writer: George Logothetis.

Hardware:
Silicon Graphics

Software:
Rhythm & Hues Proprietary

Contact:
Charles Gibson
Rhythm & Hues, Inc.
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