THE PIONEERS RETURN TO DALLAS
SIGGRAPH 1990

FILM AND VIDEO THEATER

WELCOME!

Welcome to the SIGGRAPH '90 Film and Video Theater

SIGGRAPH screenings of film and video began over 10 years ago as a small group of animation and graphics enthusiasts huddled around a VTR and monitor sharing their latest work. Evening shows became part of the conference after several years and just a few years ago, Animation Screenings were added to increase the opportunity for all of us to share an expanded scope of material. Today, the evening show has evolved into the tradition of the Film and Video Theater—the international premier showcase for computer animation and graphics. The Animation Screenings are presented on a daily basis in their own theater, as well as in a 'cafe' area with VCR and monitor for a more casual atmosphere. This year we are pleased to institute the 'Open Deck' to allow those with work that wasn't completed by the jury deadline to show their latest creative efforts to small groups and to keep that original spirit of sharing at SIGGRAPH alive and well!
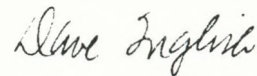
I believe it's important as we grow that we don't lose sight of our beginnings, and while the venue may change, our goal of sharing the very best work by creative people from all areas of interest must be maintained and enhanced. Our role and direction this year has been to emphasize the possibilities that exist to submit an entry to SIGGRAPH; to encourage those internationally with a variety of computer resources to get involved and become part of the program!

The contents of this catalog represent those entries for the Film and Video Theater and Animation Screenings that were chosen by a jury of recognized leaders in the animation and graphics community. From a total of 264 entries, with a running time of over 12 hours; 56 entries (representing 44 contributors) have been selected for the evening show, which is planned to last about two hours. A group of 69 entries will be shown in multiple Animation Screenings with a total running time of about three hours. The material is truly international in content, and includes entries from individuals with modest computer systems as well as from multi-million dollar facilities. The factors in common are technical excellence, innovation and audience impact!

The Film and Video Theater Committee has worked extremely hard this year to bring together this material for your enjoyment, and our ultimate reward will be a continuation of that sharing which began many years ago— that tradition of excellence and entertainment experience unequaled anywhere! I'm grateful for the dedication of the members of the committee and especially the ever-present support of the Conference Co-Chairs. A special thank you to Rozanne Cazian, John Grower, and MaryAnn McLeod for their diligent effort and assistance, without which, none of this would have been possible.

We hope you enjoy the show!

Dave Inglish

Dave Inglish
Film and Video Theater Chair
Walt Disney Pictures

FILM AND VIDEO THEATER
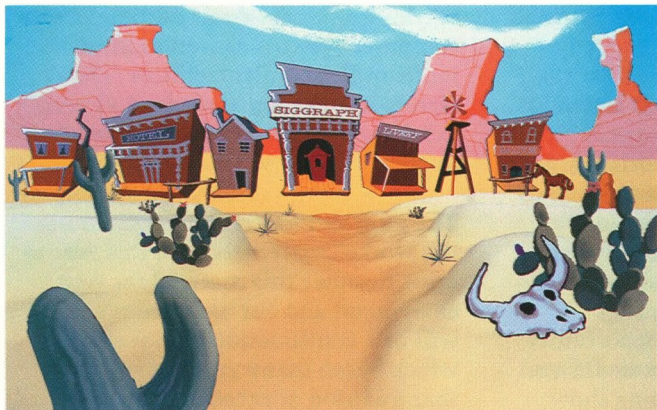
Opening and Closing Animation

Produced by:
John Grower

Director:
Eric Guaglione

Creative Director:
Michael Cedeno

Art Director:
Bruce Jones

Music:
Jay Ferguson

Voice:
Peter Gullerud

Production Company:
3D Magic

Animators:
Dave Altenau, Freddi Gitelman, Eric Guaglione, Jim Hourihan, Kevin Hout, Scott Liedka, Ted Malone, Ron Moreland, and Jeff Wood

Character Modeling:
Kleiser-Walczak Co.

Film Recording:
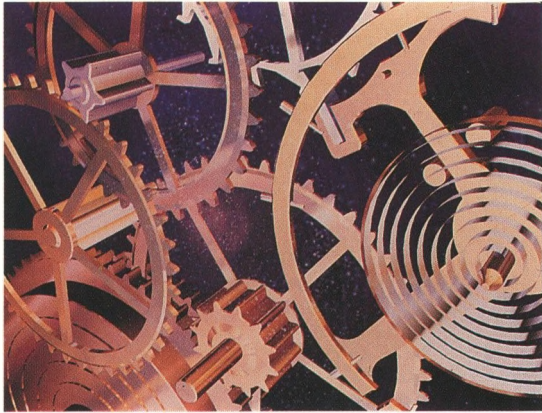Gemini Process (A Post Group/Pacific Title Venture)

Software Support:
Wavefront Technologies

Hardware Support:
Visual Computing Group,
Numonics Corp.,
and Silicon Graphics Computer Systems

Special Thanks:
Howard Baker, Geoff Casburn, Kevin Lombardi, Paul Murphy, and Jeff Yates

ABC's World of Discovery

The imagery of nature, science, exploration, engineering and cultural history is captured in this sweeping montage.

Metrolight Studios
Los Angeles, California

The Audition

Facial expression tracking, dynamic simulation and ray-tracing radiosity are used to tell about what happened one day at the circus.

Apple Computer, Inc.
Advanced Technology Group
Cupertino, California
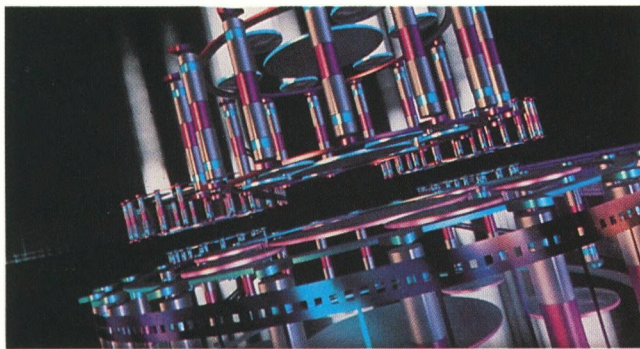
AMC "Feature Presentation"

High quality, computer animated trailers demonstrate the advanced sight and sound technology of AMC's High Impact Theatre System.

Metrolight Studios
Los Angeles, California
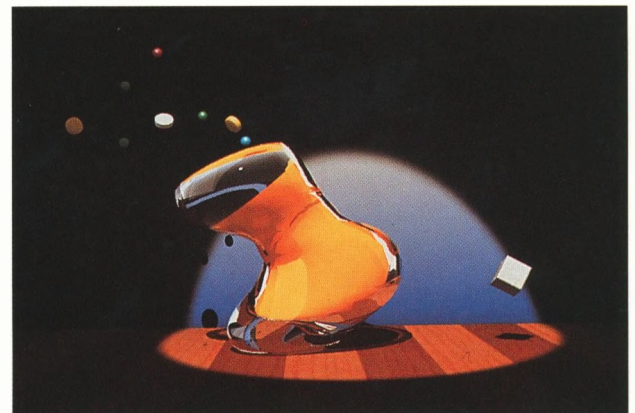
Blue Sky Productions Demonstration Reel

Glass vessels "morph" and cavort in two of Blue Sky's recent commercial productions.

Blue Sky Productions, Inc.
Ossining, New York

BONEHEAD in "Why Do You Think They Call Him Dope"

Focusing on humanity's eternal quest for the perfect beat, this epic 1-minute saga was produced for Delicious Vinyl, a dope ("the greatest") HipHop record label.

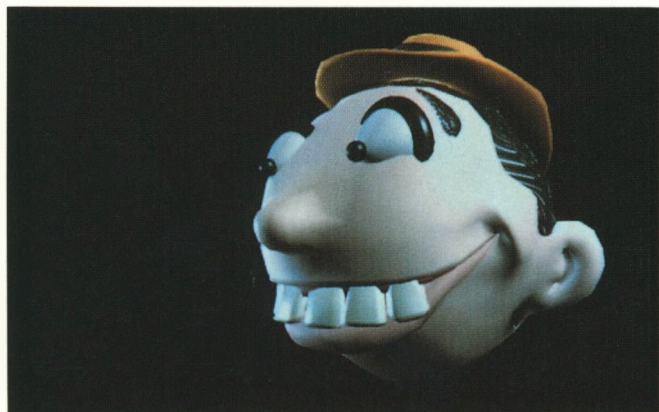Peter Conn
Homer & Associates, Inc.
Hollywood, California
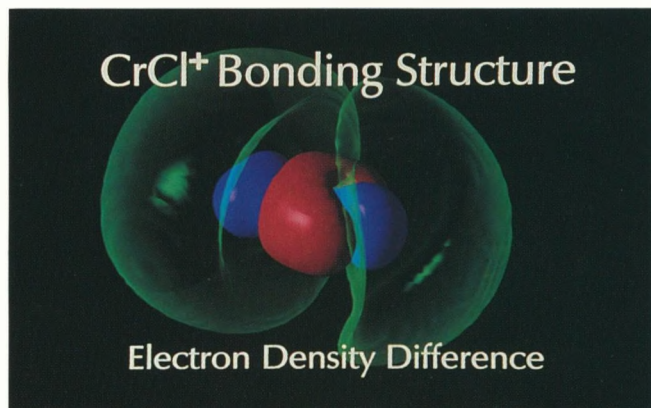
Computational Quantum Chemistry in Catalysis Research

Examples of visualizations of various catalyses involving chromium chloride, magnesium oxide and faujasite clusters.

National Center for Supercomputing Applications
Visualization Services and Development
Champaign, Illinois

California State Lottery —"Decco"

Playing Decco, a woman hallucinates that she's in Cardland. Will she choose Sammy, the desperate Five of Spades? Will he handle rejection?

Pixar Animation Production Group
with Colossal Pictures
San Rafael, California

Cuisine Art

A mischievous baby squash takes a whimsical tour through the art museum.

Leoung O'Young
Toronto, Ontario, Canada
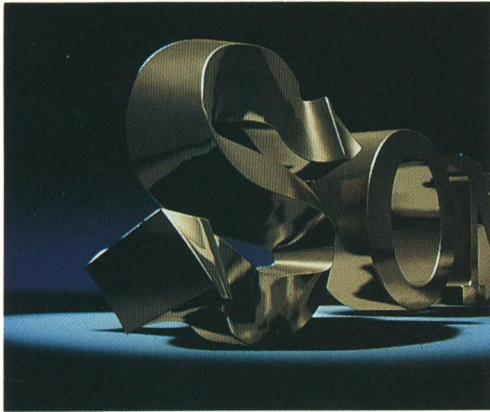
Dancing Sony

The capability of Polygon Pictures' Skelton Coordinate System is demonstrated in its first commercial application.

Polygon Pictures
Tokyo, Japan

Droomfabriek (Dream Factory)

Morphosis uses computer graphics to build a dream factory.

Jeroen Buys
Morphosis
The Netherlands

Dirty Power

This "power-ful" animation was inspired by the artist's exploration of the oftentimes seductive nature of 3D computer graphics.

Robert Lurye
College Station, Texas
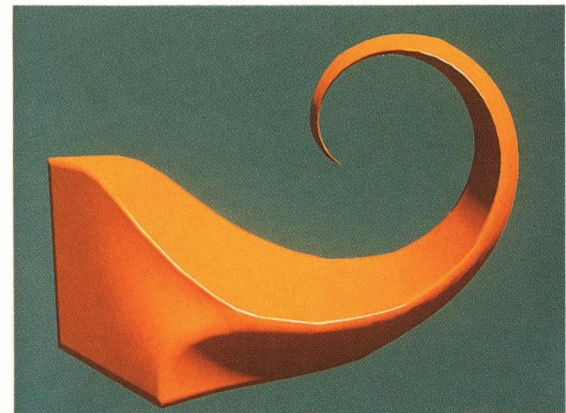
Ductile Flow

Flow patterns are created by iterating non-linear spatial transformations. Polyhedral objects placed in the space follow the flow. Sufficient ductility is provided by adaptive, stochastic subdivision.

Craig Reynolds
Symbolics, Inc.
Los Angeles, California

Entropy

This artful animation, inspired by the Hopi Indian story of creation, explores Darwin's theory of evolution and the issue of entropy.

Robin Noorda
Morphosis
The Netherlands
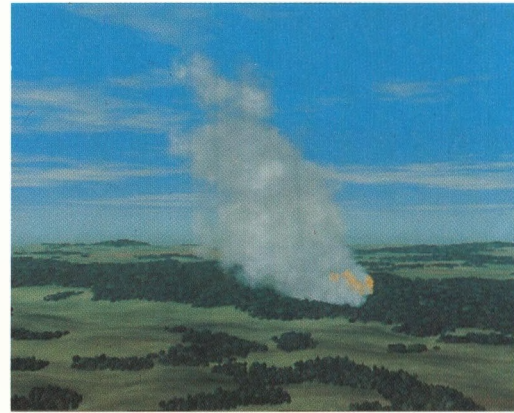
Forest Fire Simulation

This realistic visualization of a forest fire is modeled with textured quadric surfaces.

Geoffrey Gardner
Grumman Data Systems
Woodbury, New York
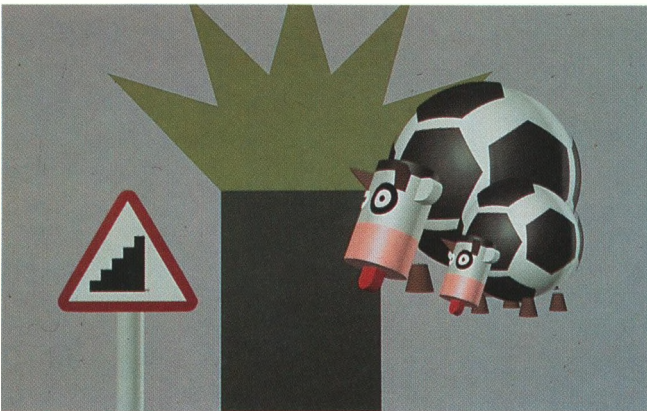
Fables Géométriques "La Laitière et le Pot au Lait"

La Fontaine's beloved fable of "The Milkmaid and the Jug of Milk" is animated as part of the T.V. series, "Geometric Tales".

Fantome Animation
Paris, France
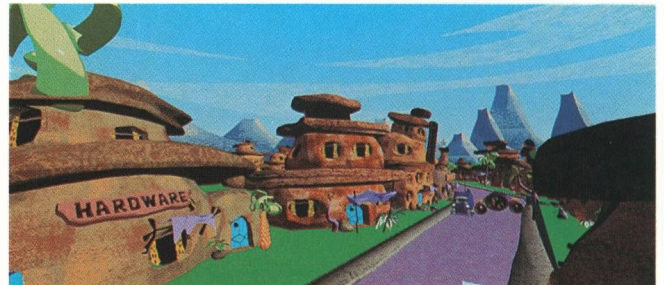
The Funtastic World of Hanna-Barbera

The Flintstones meet the Jetsons in this wild flight simulator ride at Universal Studios in Orlando.

deGraf/Wahrman, Inc.
West Hollywood, California
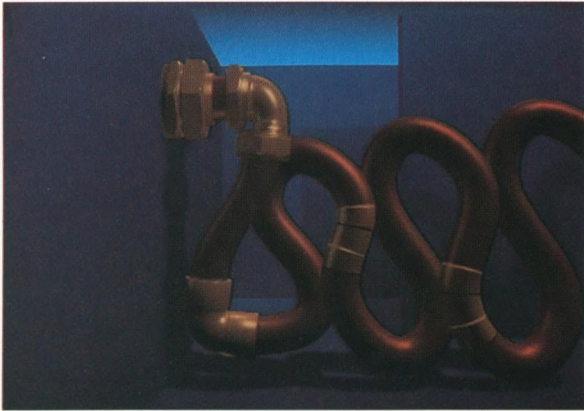
Gas Pipe

The trials and tribulations of a gas pipe.

SVC Television for
Robinson Lambie-Nairn
London, England
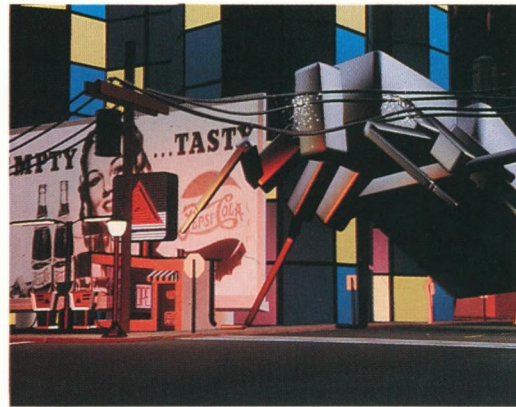
Grinning Evil Death

A blood-spattered tale of modern-day pest control utilizing
2D animation and 3D graphics.

Mike McKenna
Bob Sabiston
Cambridge, Massachusetts
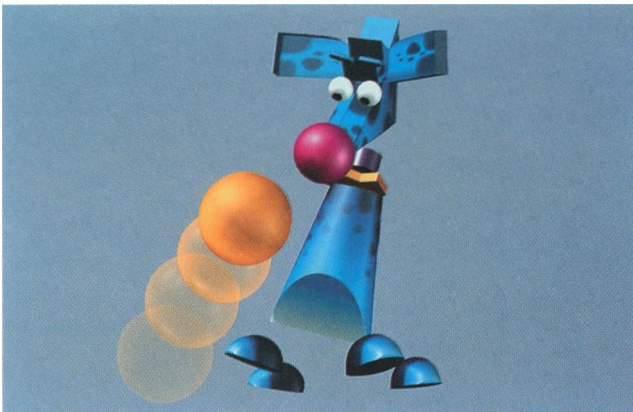
The Great "Blue Ouah Ouah"

This loveable character will win his way into your heart.

Fantome Animation
Paris, France
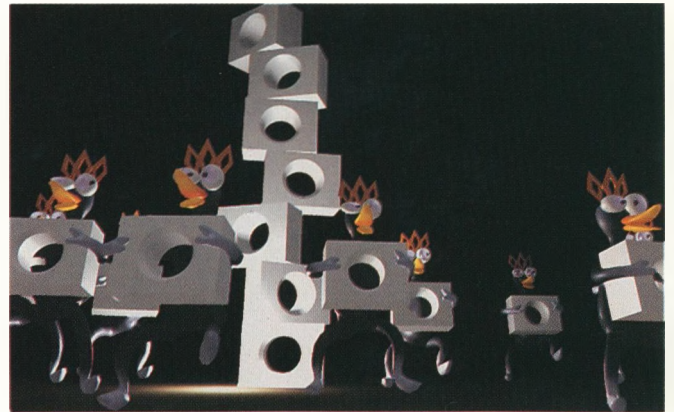
The Hole

The quirky black birds in this artist's first original work are
the hole-block builders.

Motonori Sakakibara
Namco Ltd.
Yokohama, Japan
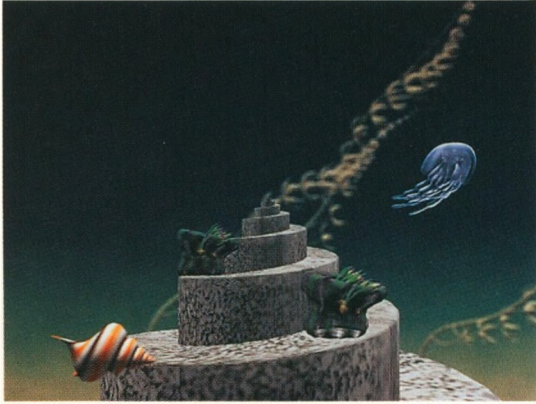
I Have Never Seen, But I Know...

All of the creatures and plants in this graceful underwater fantasy were generated and animated by De Leon's Branching Object Generation and Animation System.

Midori Kitagawa De Leon
Texas A & M University
College Station, Texas

In Search of Muscular Axis

Polygon Pictures demonstrates their new Skelton Coordinate System which can provide complete mechanism to all types of motion and deformation.

Polygon Pictures
Tokyo, Japan

ILM Computer Graphics SIGGRAPH '90 Demo Reel

A demonstration of computer graphics and special effects produced for recent theatric-release motion pictures and commercials.

Industrial Light & Magic
San Rafael, California
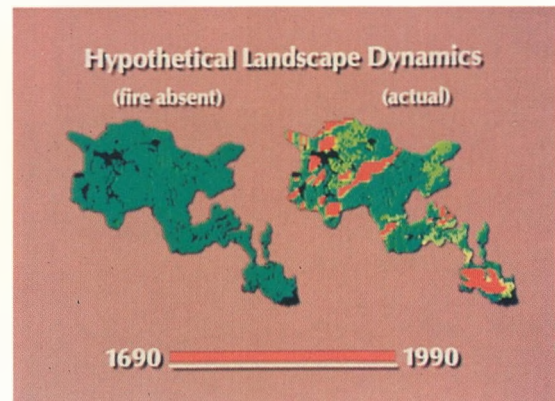
Landscape Dynamics of Yellowstone Park

The historical impact of fire on landscape diversity in Yellowstone Park is demonstrated with graphs from 1690 to 1990.

National Center for Supercomputing Applications
Visualization Services & Development
Champaign, Illinois

Lava Jr.

John Lasseter's classic film inspires new interpretations.

Randy Bauer
Austin, Texas

Masterplan

Commercial work produced by Morphosis b.v.

Jeroen Buys
Morphosis
The Netherlands

Life Savers Holes —"Babies"

Are 61 characters made of candy and eight pieces of playground equipment too much for a 30-second spot?

Pixar Animation Production Group
with Colossal Pictures
San Rafael, California
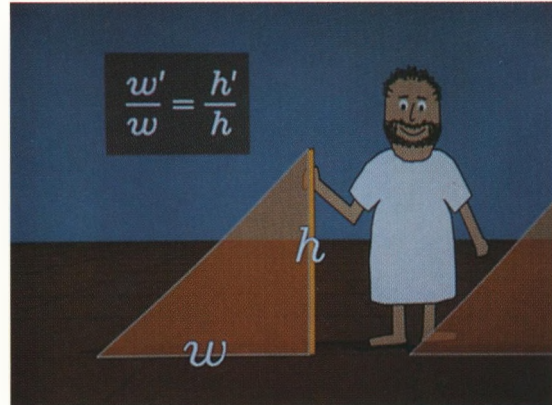
Mathematics! Similarity and the Story of π

Excerpts from several modules of the Mathematics! Project—a series of videotapes to aid in teaching high school mathematics.

Jim Blinn
Project Mathematics
California Institute of Technology
Pasadena, California

McDonald's - "Save the Universe"

If all the people in the world came into one McDonald's at the same time, would the earth tilt off its axis wreaking havoc on the universe?

Metrolight Studios/Boss Films
Los Angeles, California

The Nature

Excerpts from this work produced for Osaka's EXPO '90 dramatically combine live action and computer graphics animation.

Dentsu Inc./Tokyu Agency Inc.
Tokyo, Japan

More Bells and Whistles

This data-driven animation of an orchestra uses a MIDI (Musical Instrument Digital Interface) control stream. Software was developed to automate the synchronization of instrument motion based on musical events.

Wayne Lytle
Cornell National Supercomputer Facility
Ithaca, New York
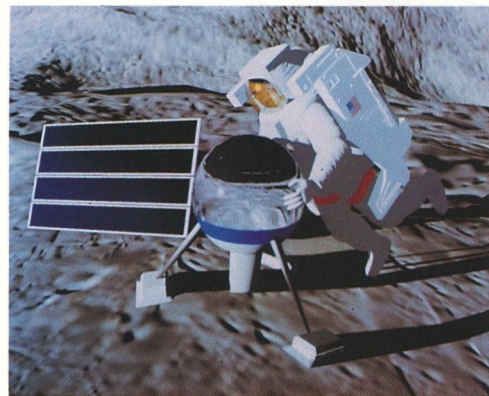
The Next Giant Leap

Excerpts from NASA's manned Lunar/Mars Mission Studies.

NASA/Johnson Space Center
Visual Communications Lab
Houston, Texas

1990 SIGGRAPH Demo Reel

Recent commercial work is highlighted.

Lamb & Company, Inc.
Minneapolis, Minnesota
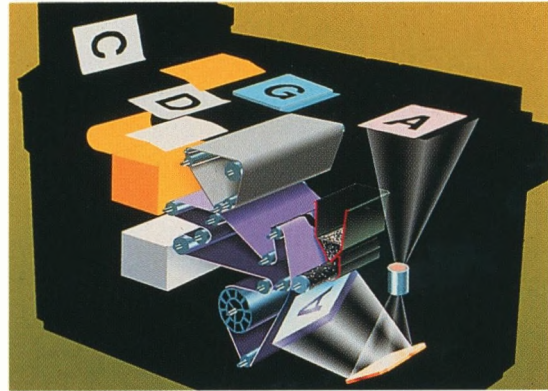
Océ Copy Simulation

An animation that explains how the paper track inside the Océ copier works.

Adriaan Lokman
Morphosis
The Netherlands

Nissan "Time Machine"

Time Machine is a commercial produced for Japanese television featuring a realistically rendered animated sports car.

Rhythm & Hues, Inc. for Dentsu, Inc.
Hollywood, California

Panspermia

Panspermia: The theory that life exists and is distributed throughout the universe in the form of germs or spores.

Karl Sims
Thinking Machines Corporation
Cambridge, Massachusetts
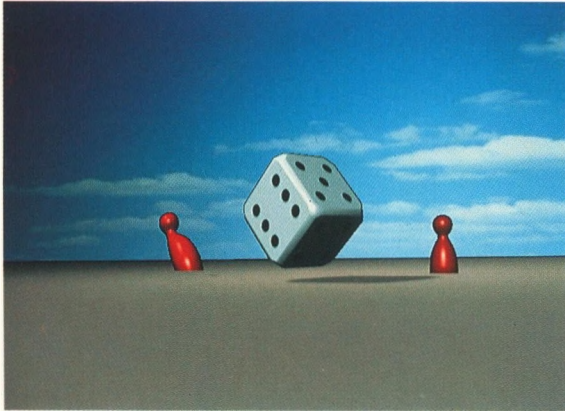
Partners

Whimsical animation highlights this commercial piece.

Robin Noorda
Morphosis
The Netherlands

Pigment Promenade

Pigment Promenade proffers playful pals...a whimsical look at paint blobs having fun. Yee-Haw!

Apple Computer, Inc.
ATG Graphics Group
Cupertino, California
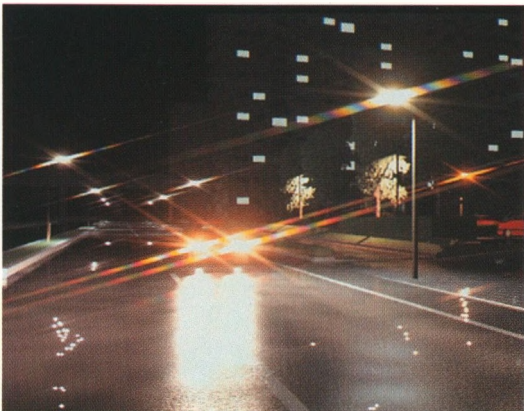
A Passing Shower

Road surfaces, solar penumbra and streaks of light are rendered using novel techniques to produce photo-realistic visual simulation of outdoor scenes.

Hiroshima University
Electric Machinery Laboratory
Saijo-cho, Higashi-Hiroshima, Japan
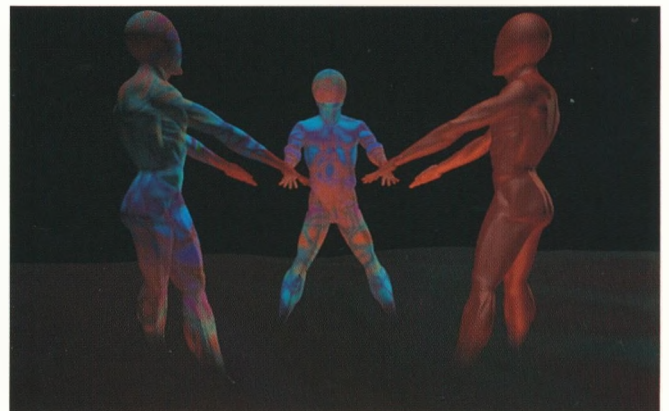
Prebirth

The birth of man as an assembly of three elements: mind, body, flesh, is symbolized using different transparency value and textures.

Osama M. Hashem
New York, New York

Robocop II

The anti-hero in "Robocop II", a stop motion puppet, recalls his human existence through the use of a computer generated character based on a live actor.

deGraf/Wahrman, Inc. in conjunction
with the Phil Tippet Company for TOBOR Productions
West Hollywood, California
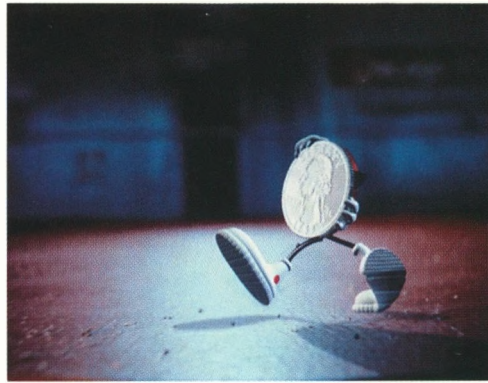
7-Up "Saxaphone"

A fully animated computer generated character interacts with its live-action environment.

Rhythm & Hues, Inc. for Leo Burnett Inc.
Hollywood, California
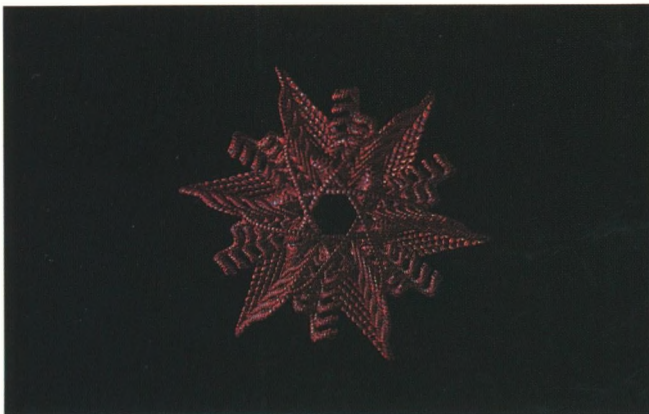
A Sequence from the Evolution of Form

The beauty, elegance and content of form is expressed through computer graphics.

William Latham
IBM UK Scientific Centre
Hampshire, United Kingdom
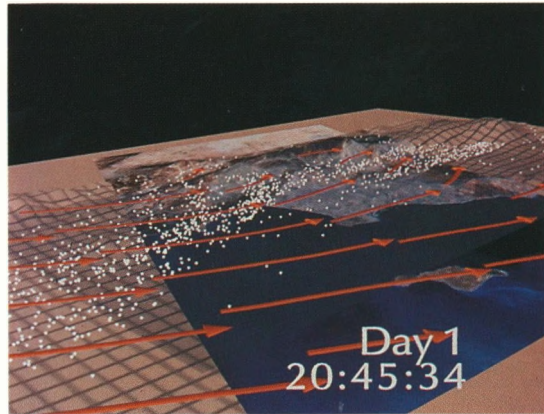
Smog: Visualizing the Components

This visualization shows the results of a numerical model of pollution in the Los Angeles basin.

National Center for Supercomputing Applications
Visualization Services & Development
Champaign, Illinois

Solar Crisis Hologram Animation

Waging a desperate battle to divert a devastating solar flare, Earth scientists create an ultra-modern holographic display system in this feature film.

Pacific Data Images with
Boss Films
Sunnyvale, California

Styro

A dog can't take a walk at night anymore.

Sinnott and Associates, Inc.
Chicago, Illinois

Splash Dance

This animation illustrates the techniques described in the SIGGRAPH paper, "Rapid Fluid Dynamics for Computer Graphics" in an astounding display of water effects.

Michael Kass and Gavin Miller
Apple Computer, Inc.
Advanced Technology Group
Cupertino, California

Sunrise Animation

The use of monochromatic colours and highly controlled lighting effects focuses the viewer on proposed product designs and signage elements.

Semannia Luk Cheung
Design Vision Inc.
Toronto, Ontario, Canada
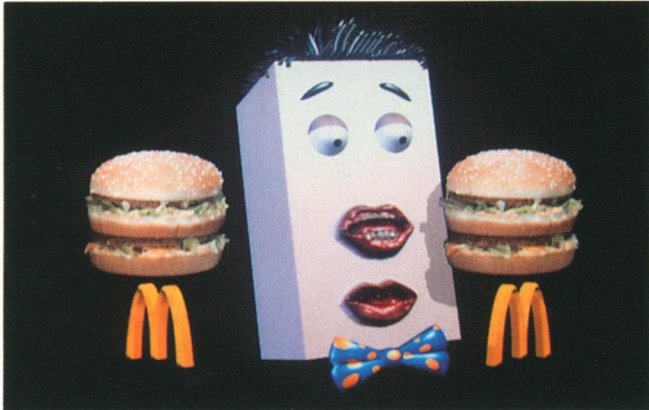
Think Twice

A double-talking, fully dimensional, two-mouthed blockhead is made possible by Homer and Associates' new "Lip Service" technique.

Homer & Associates
Los Angeles, California
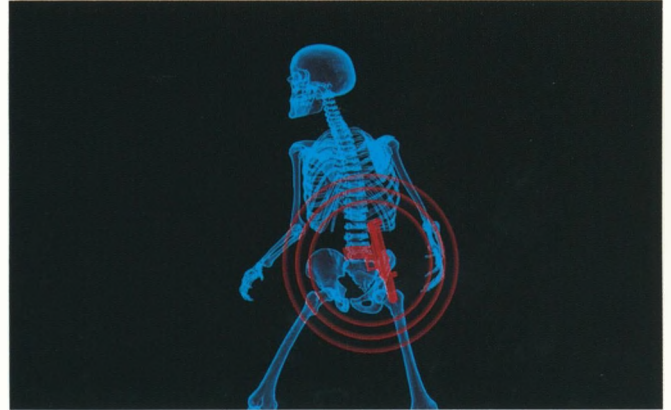
Total Recall

CGI human motion is used to depict real time X-Ray special effect with match integration to live action footage in this major motion picture (excerpts shown).

Metrolight Studios/Carolco Pictures
Los Angeles, California

This Is Not Frank's Planet

The misfit pilots of a small space ship talk their way through a colorful landscape looking for a Mysterious Destination.

Instructional Media Center
California State University, Chico
Chico, California
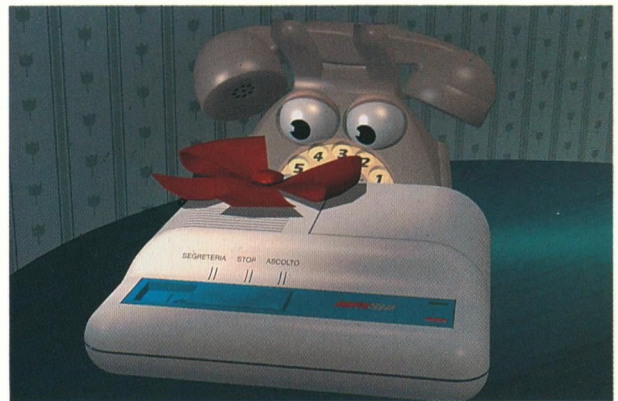
Trillo's Adventures

This Italian love story stars Trillo the telephone.

Intermedia Audiovisivi-Italy
Rome, Italy

Tropicana —"Wake-up"

A thirsty straw is wakened from his dream by the arrival of a juicy orange and the chase is on.

Pixar Animation Production Group
with Colossal Pictures
San Rafael, California

Under the Puddle

An abstract view of a rainstorm from beneath the surface of a puddle is demonstrated.

Aliza Corson
Champaign, Illinois

Tyd is Geld (Time is Money)

Produced for a Belgian television show about economics, this animation weds time and money.

Robin Noorda and Leon Wennekes
Morphosis
The Netherlands

Yun Shan

The delicate essence of Chinese landscape painting is captured in this animation of fractal landscapes.

Semannia Luk Cheung
Design Vision Inc.
Toronto, Ontario, Canada

FILM AND VIDEO THEATER CREDITS

ABC's World of Discovery
Produced by:
Metrolight Studios
Vice President Sales:
Dobbie Schiff
Creative Director:
Jon Townley
Executive Producer:
Jeff Doud
Assistant Producer:
Gyle Reznik
Art Director:
Steve Martino
Modeling:
Neil Eskuri, Con Pederson, and Alan Ridenour
Technical Directors:
Patrice Dinhut, Tom Hutchinson, Rebecca Marie,
Richard Cohen, George Karl, and Jerry Weil
Software:
Yun-Chen Sung, Steve Levatt, and Mark Lasoff
Hardware:
Alliant FX40-4, Solbourne 5-604, Silicon Graphics
Workstations, Abekas A60
Software:
Wavefront Preview and Metrolight Proprietary
Software
Contact:
Alan Dinoble
Metrolight Studios
5724 W. Third Street, Suite 400
Los Angeles, CA 90036 USA
213-932-0400
213-932-8440 (fax)

AMC "Feature Presentation"
Produced by:
Metrolight Studios
Creative Director:
Jon Townley
Executive Producer:
Jeff Doud
Director/Designer:
Jon Townley
Technical Directors:
Rebecca Marie, Melinda Tidwell, and Tom
Hutchinson
Software:
Yun-Chen Sung
Modeling:
Con Pederson
Hardware:
Alliant FX40-4, Solbourne 5-604, Silicon Graphics
Workstations, Celco Film Recorder
Software:
Wavefront Preview and Proprietary Software
Contact:
Jim Kristoff
Metrolight Studios
5724 W. Third Street, Suite 400
Los Angeles, CA 90036 USA
213-932-0400
213-932-8440 (fax)

The Audition
Produced by:
Apple Computer, Inc., Advanced Technology
Group
*Story, Dynamics and Project
Coordination:*
Gavin Miller
Ray-Tracing Software:
Douglas Turner
Scene Design and Model Management:
Steven Rubin
Dog Design and Modeling:
Bill Maher
Dog Animation Technology:
Lance Williams
*Dog Animation, Rendering and
Technology:*
Peter Litwinowicz
*Dog Animation Software and Cannon
Design:*
Libby Patterson
*Dog Animation, Modeling and
Rotoscoping Software:*
Ned Greene
Dog Animation:
Kim Tempest
Rendering Preview Software:
Kenneth Turkowski
Radiosity Software:
Shenchang Eric Chen
Sound Effects and the Voice of Louie:
Dean Blacketter
Music:
Tim Taylor
Technical Production Assistant:
Scott Stein
Rendering Angel:
Tim Heidmann, Gary Griffin, and Jeff Hultquist
Special Thanks:
Michael Kass, Roger Spreen, and David Jevans
Hardware:
Apple MacIntosh, Silicon Graphics
Software:
In-House Animation and Rendering Code
Contact:
Gavin S.P. Miller
Apple Computer, Inc.
20705 Valley Green Drive, MS 60W
Cupertino, CA 95014 USA
408-974-0186
408-974-0781 (fax)

**BlueSky Productions Demonstration
Reel**
Produced by:
Blue Sky Productions, Inc.
President:
David Boyd Brown
Executive Producer:
Alison Brown
Creative Director:
Chris Wedge

Research and Development:
Michael Ferraro, Carl Ludwig, Oliver Rockwell, and
Eugene Troubetzkoy
Modelor/Production Support:
John Volny
Hardware:
Sun Microsystems 4/280 and 4/260, Celco CFR
8000 Film Recorder
Software:
CGI Studio Proprietary Solids-Modeling and Ray
Tracing Software
Contact:
Alison Brown
Blue Sky Productions, Inc.
100 Executive Boulevard
Ossining, NY 10562 USA
914-941-5260
914-923-9058 (fax)

**BONEHEAD in "Why Do You Think
They Call Him Dope"**
Produced by:
Peter Conn, Homer and Associates, Inc.
Designed and Created by:
Michael A. Kory
3-Space Digitizer Courtesy of:
Kleiser/Walczak
"Bonehead's Theme":
Matt Dike, Michael Kory
Sound Effects:
B5 Studios
Hardware:
IRIS 3030CSA Transputer Network, Pc/A's w/Vista
Frame Buffers, 3 Space Digitizer
Software:
Wavefront 2.9 Preview, Digital Arts 3.1 Renderman
Renderer
Contact:
Michael A. Kory
c/o Homer & Associates
1420 N. Beachwood Drive
Hollywood, CA 90028 USA
213-462-4710
213-462-2109 (fax)

California State Lottery - "DECCO"
Produced by:
Pixar Animation Production Group with Colossal
Pictures
Producers:
Ralph Guggenheim (Pixar) and Shari Glusker
(Colossal Pictures)
Animation Director:
Robin Steele
Animation:
Flip Phillips
Technical Director:
Elliot Smyrl, Mike Malione, and Flip Phillips
Sound:
Gary Rydstrom/Skywalker Sound
Hardware:
Computer Consoles Power 6/32 processor, Evans &
Sutherland PS350 display system

Software:
Pixar's "menv" modeling and animation,
RenderMan interface
Contact:
Ralph Guggenheim
Pixar
3240 Kerner Boulevard
San Rafael, CA 94901 USA
415-236-4000
415-238-0388 (fax)

Computational Quantum Chemistry in Catalysis Research
Produced by:
Visualization Services and Development, National
Center for Supercomputing Applications
Scientific Research:
Aileen E. Alvarado-Swaisgood, Amoco Oil
Company
*Research and Development
Visualization:*
Jeffrey A. Thingvold, NCSA
Hardware:
Silicon Graphics 4D-24OGTX ,Silicon Graphics
4D-20, Abekas A60, Abekas AGr, Abekas A70
Software:
Wavefront Technologies and Various In-House
Contact:
Dean Geiken
152 Computing Applications Building
605 E. Springfield Avenue
Champaign, IL 61820 USA
217-244-6353
217-244-1987 (fax)

Cuisine Art
Produced by:
Leoung O'Young, Sheridan College
Special Thanks:
Faculty support: Jim Sayers, Mark Simon, Ken
Walker
Hardware:
Compaq 386/25, Targa 16, Diaquest Frame
Software:
Lumana/Crystal
Contact:
Leoung O'Young
36 Woodycrest Avenue
Toronto, Ontario, Canada M4J 3A7
416-462-3388

Dancing SONY
Produced by:
Polygon Pictures
Producer/Art Director:
Toshifumi Kawahara
Animator:
Takashi Fukumoto
Designer:
Yasuo Tojo
Technical Director:
Toshiaki Katoh

Music:
Yas-Kaz
Executive Producer:
Yasuo Kuroki (SONY)
Producer:
Syohachi Sakai (SONY)
Copyright:
SONY Corporation
Hardware:
SUN4/260, Silicon Graphics IRIS4D-20G,
NEWS841
Software:
Original
Contact:
Toshifumi Kawahara
c/o Polygon Pictures
Bond Street T11
2-2-43 Higashi Shinagawa,
Shinagawa-ku
Tokyo 140 Japan
03-474-4321
03-474-4322 (fax)

Dirty Power
Produced by:
Robert Lurye, The Ohio State University-Advanced
Computing Center for the Arts and Design
Animation:
Robert Lurye
Rendering Software:
Scott Dyer
Editor:
Kipp Aldrich
Music:
Fred Maisel
Voice Effects:
Dave and Linda Haumann
Software Support:
John Fujii, Susan Amkraut, John Donkin, Jeff Light,
and Julien Gomez
Hardware:
Convex CI, SUN Workstations Network, Abekas
A60, PS300-Evans & Sutherland, Sony Beta SP
video recorder
Software:
TROUT, In-house
Contact:
Robert Lurye
1231 Georgia
College Station , TX 77840 USA
409-764-7521
409-845-4491 (fax)

Droomfabriek (Dream Factory)
Produced by:
Jeroen Buys, Morphosis
Design and Animation:
Jeroen Buys
Operator:
Kris Mergan
Music:
John Mogewijs
Hardware:
Silicon Graphics IRIS

Software:
Alias
Contact:
Jeroen Buys
Morphosis b.v.
Rembrandtlaan 24A
3723 BJ Bilthoven, The Netherlands
30-28-72-85
30-28-54-99 (fax)

Ductile Flow
Produced by:
Craig Reynolds, Symbolics, Inc.
Hardware:
Symbolics PaintAnimation System
Software:
S-Geometry, S-D Dynamics and S-Render
Contact:
Craig Reynolds
Symbolics, Inc.
1401 Westwood Boulevard
Los Angeles, CA 90024 USA
213-478-0681
213-477-1346 (fax)

Entropy
Produced by:
Robin Noorda
Design and Animation:
Robin Noorda
Music:
Margreet Bakker
Hardware:
Silicon Graphics IRIS
Software:
Antics
Contact:
Robin Noorda
Morphosis b.v.
Rembrandtlaan 24A
3723 BJ Bilthoven, The Netherlands
30-28-72-85
30-28-54-99 (fax)

Fables Géométriques/La laitiére et le pot au lait
Produced by:
Fantome Animation
Credits:
Renato, Jean-Yves Grall, and George LaCroix
Co-Production:
Canal+, RTBF, Club Media, le CIDIS, CNC
Design:
Christian Hoffmann, Philippe Ravon, and Marilyn
Talarn
Animation:
Anne Brotot, Xavier Duval, Phillipe Marty, and
Fabién Robert
Music:
Jacques Davidovici
Hardware:
Silicon Graphics
Software:
Explore TDI

Contact:
Philippe Baudart
Fantome
71 rue Ampère
75017 Paris, France
1-40-53-01-23
1-40-53-02-07 (fax)

Forest Fire Simulation
Produced by:
Geoffrey Gardner, Grumman Data Systems
Hardware:
Silicon Graphics IRIS 4D/240 GTX
Software:
Grumman Modeling and Rendering in Fortran 77
Contact:
Geoffrey Gardner
MS D12-237
1000 Woodbury Road
Woodbury, NY 11797 USA
516-682-8417
516-682-8022 (fax)

The Funtastic World of Hanna-Barbera
Produced for:
Universal Studios, Florida
MCA Director:
Mario Kamberg
MCA Producer:
Sherry McKenna
Post Production/Optical Supervisor:
Greg Van der Veer
Production Manager:
Ellen Coss
For all sequences with the Exception of Jetsons—Produced by:
deGraf/Wahrman, Inc.
CGI Effects Supervision:
Brad deGraf and Michael Wahrman
Producers:
Craig Newman and Sally A. Syberg
MCA Art Direction:
Kerry Colonna, Allen Battino, and Dale Herigstad
Production Manager:
Michelle Porter
Ship Animation:
Brian Jennings
Animation:
Brian Jennings, John Grower, Ken Brain, and Brad deGraf
Master Sculptor:
Ken Cope
Technical Drawing:
Tom Betts
Bedrock Lighting:
Kevin Bjorke
Bedrock Modeling:
Liza Keith and Adrian Iler
Scooby Lighting:
John Adamczyk
Scooby Modeling:
John Adamczyk and Adrian Iler
Launch and Warps:
Liza Keith and Adrian Iler

Film Recording:
Joshua Pines
Fred's House:
Jim Hillin
Editorial:
Ladd McPartland
Operations Manager:
Lizzi Bones Ralston-Bugge
MCA Happy Face Coordinator:
Jane Nunez
Choreography and Lighting Coordinator:
Dr. B.K. Berlitz
Hardware:
Symbolics 36XX, Silicon Graphics IRIS 4D Series
Software:
Perform by deGraf/Wahrman, Inc., Pixar RenderMan, Symbolics S-Products
Jetsons Sequence—Produced by:
Rhythm & Hues, Inc.
Designer/Director:
Dan Quarnstrom
Head Animator:
Jean Cunningham
Animators:
Kevin Barnhill, Neil Richmond, Charlie Gibson, Darren Kiner, Michael Tigar, Daniele Colajacomo, Peter Farson, and Lorne Lanning
Modelers:
Darren Kiner and Jennifer Pearce
Producer:
Meryl Burns
Editor:
Rick Ross
Executive Producer:
Kathryn Riccio
Special Software:
Keith Goldfarb and Paul Newell
Cameraman:
David Keller
Special Effects Supervisor:
Ray Feeney
Hardware:
Silicon Graphics, 4D-80/GT
Software:
Rhythm & Hues Proprietary
Character and Effects Animation Produced by:
Sullivan Bluth Animation Studios
Producer:
Thad Weinlein
Director:
David Steinberg
Assistant Director:
Ron Allen
Directing Animators:
Linda Miller, Larry Leker, John Pomeroy, Mark Koetsier, Ken Duncan, and Jean Morel
Character Animators:
Mark Pudleiner, Nasos Vakilos, Shane Zalvin, Matt Bates, Joe McDonough, Dave Kupcyk, Bill Waldman, and Todd Waterman
Opticals Produced by:
Pacific Title & Art Studio

Optical Supervisor:
Phillip Feiner
Optical Camera Operators:
Mike Glickman, Doug Nogle, and Benita Nelson
Line Up:
Dick Ramirez
Contact:
Michael Wahrman
deGraf/Wahrman
8936 Keith Avenue
West Hollywood, CA 90069 USA
213-278-2135
213-278-2054 (fax)

Gas Pipe
Produced by:
SVC Television for Robinson Lambie-Nairn
Computer Animator:
Phil Hurrell
Traditional Animator:
Neville Astley
Hardware:
Symbolics 3650 and 3620
Software:
Symbolics S-Products
Contact:
Phil Hurrell
SVC Television
142 Wardour Street
London W1V 3AU, England
44 71-734-1600
44 71-437-1854 (fax)

The Great "Blue Ouah Ouah"
Produced by:
Fantome-Animation
Hardware:
Silicon Graphics
Software:
Explore TDI
Contact:
Philippe Baudart
Fantome
71 rue Ampère
75017 Paris, France
1-40-53-01-23
1-40-53-02-07 (fax)

Grinning Evil Death
Produced by:
Mike McKenna and Bob Sabison, MIT Media Lab
Credits:
David Atherton, David Chen, Michael Johnson, Peter Schroeder, David Small, Steve Strassmann, and Radhika Nagpal
Hardware:
HP 835 Series 9000 Turbo SRX Workstations, Wacom Pressure Sensitive Tablet, Connection Machine II
Software:
Custom dynamic simulation, rendering, cel and multiplane camera simulation software

Contact:
Mike McKenna
Bob Sabiston
20 Ames Street
E15-023
Cambridge, MA 02139 USA
617-253-0661
617-258-6264 (fax)

The Hole
Produced by:
Motonori Sakakibara NAMCO LTD.
Hardware:
Silicon Graphics IRIS 4D-20G
Software:
Namco Original
Contact:
Motonori Sakakibara
Namco Yokohama Mirai Kenkyuto
15-1, Shenei-Cho, Kouhoku-Ku
Yokohama, 223 Japan
045 593 0711
045 592 8086 (fax)

I Have Never Seen But I Know
Produced by:
Midori Kitagawa De Leon
Music:
Daniel Remler
Post Production:
Robert Patterson
Hardware:
Sun3, Sun4, Abekas
Software:
Branching Object Generation and Animation
System (BOGAS) by Midori Kitagawa De Leon
Trout (Rendering Software) by Scott Dyer
Contact:
Midori Kitagawa De Leon
c/o Visualization Laboratory
College of Architecture
Texas A & M University
College Station, TX 77843-3137 USA
409-845-3465
409-845-4491 (fax)

**ILM Computer Graphics
SIGGRAPH '90 Demo Reel**
Produced by:
Industrial Light & Magic, A Division of Lucasfilm
Ltd.
Credits:
Computer Graphics Department, Industrial Light
& Magic
Hardware:
Silicon Graphics 4D-80GT, 4D-240's
Software:
PIXAR RenderMan, ALIAS modeling system,
Proprietary modeling, animation and image-
processing tools

Contact:
Nancy St. John
Industrial Light & Magic
P.O. Box 2459
San Rafael, CA 94912 USA
415-258-2000
415-454-4768 (fax)

In Search of Muscular Axis
Produced by:
Polygon Pictures
Producer/Art Director:
Toshifumi Kawahara
Director:
Takashi Fukumoti
Animator:
Hideki Okano
Technical Director:
Toshiaki Katoh
Music:
Yas-Kaz
Collaborators:
Keiichi Kameda, Yasuo Tojo, Katsuhara Hiruma,
Shigeki Hayashi, Akira Yoshida, Tatsuya
Shimamoro, and Masuharu Endo
Copyright:
Polygon Pictures
Hardware:
SUN4/260, Silicon Graphics IRIS4D-20G
Software:
Original
Contact:
Toshifumi Kawahara
c/o Polygon Pictures
Bond Street T11
2-2-43 Higashi Shinagawa,
Shinagawa-ku
Tokyo 140 Japan
03-474-4321
03-474-4322 (fax)

**Landscape Dynamics of Yellowstone
Park**
Produced by:
Visualization Services & Development, National
Center for Supercomputing Applications
Principal Investigator:
David Kovacik
Visualization:
Alan Craig
Post Production:
Robert Patterson
Hardware:
CRAY X-MP/48, Macintosh II
Software:
Various in-house
Contact:
Colleen Bushell
152 Computing Applications Building
605 E. Springfield Avenue
Champaign, IL 61820 USA
217-244-1987
217-244-1987 (fax)

Lava Jr.
Produced by:
Randy Bauer
Audio:
Robert McEntee and Glenn Wolfe
Special Thanks:
Bryan Russmann and Renee Louis Apru
Hardware:
Silicon Graphics 4D-80GT
Software:
Wavefront
Contact:
Randy Bauer
Luxo-Klone Productions
1717 W. Sixth Street, Suite 150
Austin, TX 78703 USA
512-476-0400
512-476-6382 (fax)

Life Savers Holes—"Babies"
Produced by:
Pixar Animation Production Group with Colossal
Pictures
Producers:
Craig Good (Pixar) and Shari Glusker (Colossal
Pictures)
Animation:
John Lasseter
Technical Direction:
Yael Milo
Technical Consultant:
Eben Ostby
Sound:
Gary Rydstrom/Skywalker Sound
Hardware:
Computer Consoles Power 6/32 processor , Evans
and Sutherland P350 display
Software:
Pixar's "menv" modeling and animation software,
RenderMan interface
Contact:
Ralph Guggenheim
Pixar
3240 Kerner Boulevard
San Rafael, CA 94901 USA
415-236-4000
415-238-0388 (fax)

Masterplan
Produced by:
Jeroen Buys, Morphosis
Design and Animation:
Jeroen Buys
Operator:
Kris Mergan
Music:
Bart v.d.Horst
Hardware:
Silicon Graphics IRIS
Software:
Alias

Contact:
Jeroen Buys
Morphosis b.v.
Rembrandtlaan 24A
3734 BJ Bilthoven, The Netherlands
30-28-72-85
30-28-54-99 (fax)

Mathematics! Similarity and the Story of π
Produced by:
Jim Blinn, Project Mathematics!, California
Institute of Technology
Credits
Tom Apostel, Jim Blinn and Don Delson
Hardware:
HP Vectra 25, #86 based PC Clones
Software:
Home grown
Contact:
Jim Blinn
305 S. Hill Street
Pasadena, CA 91106 USA
818-356-3758
818-356-3763 (fax)

McDonald's "Save the Universe"
Produced by:
Metrolight Studios/Boss Films
Metrolight Studios—Vice President, Sales:
Dobbie Schiff
Creative Director:
Jon Townley
Executive Producer:
Jeff Doud
Line Producer:
Gayle Reznik
Technical Director:
Rebecca Marie
Modeling:
Con Pederson
Software:
Yun-Chen Sung
Boss Films—Executive Producer:
Ellen Somers
Line Producer:
Christine Sellin
Director:
Jim Rygiel
Contact:
Jon Townley
Metrolight Studios
5724 W. Third Street, Suite 400
Los Angeles, CA 90036 USA
213-932-0400
213-932-8440 (fax)

More Bells and Whistles
Produced by:
Wayne Lytle
Music, Graphics and Software:
Wayne Lytle

Systems Support:
Judy Warren
Hardware:
Rendered in AIX/370 (MP) on IBM 3090-600J's,
Stellar GS1000
Software:
Proprietary musical-event driven animation
software, Texture 3.0 music-sequencer, Wavefront
Contact:
Wayne Lytle
Cornell National Supercomputer Facility
B49 Caldwell Hall
Ithaca, NY 14853 USA
607-255-3985
607-255-0823 (fax)

The Nature
Produced by:
Dentsu Inc./Tokyu Agency Inc.
Client, The Ministry of Postal Services,
Nippon Telegraph and Telephone Corp., and
Kokusai-Denshindenwa Company
Producer and Script:
Madoka Katoh (Dentsu Inc.)
Producer:
Haruo Murao (Intervoice Inc.)
Tatuhiko Akamatu (Cinesell Japan Inc.)
Assistant Producer:
Hiroshi Soma (Dentsu Prox Inc.)
Director:
Jyun Asakawa
Assistant Director:
Shinji Ootake
Camera:
Kiyoshi Nishiura
Light:
Noboru Mori
Film Editing:
Hideaki Inoue
Music Composer:
Akira Inoue
Links Corporation—CG Staff
CG and SFX Producer:
Masaaki Taira
CG Director:
Hideki Nakano and Takahiko Akiyama
Creator:
Jyun Watanabe and Kimiko Kai
Animator:
Norio Saito
Technical Manager:
Kotaro Abe
Technical Director:
Masanori Ihara, Takahiro Yamamoto, Yoshihisa
Hirano and Koichi Noguchi
Software Programmer:
Toshio Tukada and Ahinji Tanaka
System Engineer:
Atushi Shiokawa
Production Manager:
Hiroyuki Seshita
Tree Simulation:
Cirado (France), Phillipe de Reffye, Daniel
Barthelemyand Pierre Dinouard

NAMCO CG Project—Creators:
Kenji Watanabe, Kazutaka Shirato, Jyun Watanabe,
Koichi Hiraga, Yasuo Ooba, Tohiaki Kato, Akiko
Wakabayashi and Tatushi Tuboi
Film Recording:
Kodak Imagic K.K.
Nega Editing:
Yoshio Naganuma
Film Processing
Imagic Corporation
Optical:
Makoto Nakamura (Imagica)
Timing:
Yoshiyuke Kiga (Imagica)
Optical Advisor:
Yutaka Kawamura
Music Producer:
Akio Oomori
Music Director:
Naoto Sekiguchi
Sound Effects:
Masatoshi Nizumachi
Hardware:
LINKS -2 (Original Custom made), SUN 4/280
Silicon Graphics IRIS -4D
Software:
Original
Contact:
Masaaki Taira
3-13-6, Higashi-shinagawa
Shinagawa-ku
Tokyo 140 Japan
03-450-8181
03-471-2607 (fax)

The Next Giant Leap
Produced by:
Visual Communications Lab - NASA/Johnson
Space Center
Directed by:
Gunter Sabionski
Animation:
Marco Zambetti
Editor:
Roger Mitchel
Hardware:
Silicon Graphics IRIS 4D-80GTX (Animation)
Celerity 1200 (Render Engine)
Software:
Wavefront Technology
Contact:
Gunter Sabionski
NASA/Johnson Space Center
JL4
Houston, TX 77058 USA
713-483-8106
713-483-5200 (fax)

1990 SIGGRAPH Demo
Produced by:
Lamb & Company, Inc.
Credits:
Larry Lamb, Bob Born, Paul Churchill, Keith Cormier, Marcia Dietrich, Scott Gaff, Gav Gnatovich, Dale Hughes, Doug Kingsbury, Pamela Lehn, Jack Lewis , Mark Mariutto, Richard Miller, Diane Murphy, Dave Novak, Doug Pfeifer, Ron Pitts, Jim Russell, Betsy Sheehan, and Julie Smith
Hardware:
Silicon Graphics Iris 4D, Abekas A60
Software:
Wavefront, Lamb & Company Proprietary
Contact:
Larry Lamb
Lamb & Company, Inc.
1010 South 7th Street
Minneapolis, MN 55445 USA
612-333-8666
612-333-9173 (fax)

Nissan "Time Machine"
Produced by:
Rhythm & Hues, Inc. for Dentsu, Inc.
Credits:
Cliff Boule, Ichiro Kinoshita, Kiyoshi Sakamoto, Peter Farson, Charlie Gibson, Pauline Ts'o, Kenji Sugimoto, Keith Godfarb and Scott Dyer
Hardware:
Silicon Graphics, SGI 4D-80/GT
Software:
Rhythm & Hues Proprietary
Contact:
Charlie Gibson
Rhythm & Hues, Inc.
910 North Sycamore Avenue
Hollywood, CA 90038 USA
213-851-6500
213-851-5505 (fax)

Océ Copy Simulation
Produced by:
Adriaan Lokman, Morphosis
Animation:
Adriaan Lokman
Hardware:
Silicon Graphics IRIS 3130
Software:
Antics
Contact:
Adriaan Lokman
Morphosis b.v.
Rembrandtlaan 24A
3723 BJ Bilthoven, The Netherlands
30-28-72-85
30-28-54-99 (fax)

Panspermia
Produced by:
Karl Sims,Thinking Machines Corporation
Organization:
Lew Tucker
Sound:
Dave Atherton, David Grimes, Steve Blake, Target Productions
Hardware:
Connection Machine CM-2
Software:
CM-Render and simulation software written in Starlisp for data-parallel execution
Contact:
Karl Sims
Thinking Machines Corporation
245 First Street
Cambridge, MA 02142 USA
617-876-1111
617-876-1823 (fax)

Partners
Produced by:
Robin Noorda, Morphosis
Design and Animation:
Robin Noorda
Operating:
Bert Verhoeff
Logo Design:
Monique Ureeft
Hardware:
SIlicon Graphics IRIS
Software:
Vertigo
Contact:
Robin Noorda
Morphosis b.v.
Rembrandtlaan 24A
3723 BJ Bilthoven, The Netherlands
30-28-7285
30-28-54-99 (fax)

A Passing Shower
Produced by:
Hiroshima University, Electric Machinery Laboratory
Credits:
Eihachiro Nakamae
Hardware:
Sequent S81 and Silicon Graphics IRIS 4D
Software:
Original
Contact:
Eihachiro Nakamae
Faculty of Engineering
Hiroshima University
Saijo-cho, Higashi-Hiroshima 724 Japan
824-22-7111 ext. 3445
824-22-7195 (fax)

Pigment Promenade
Produced by:
ATG Graphics Group of Apple Computer, Inc.
Animation and Story:
Peter Litwinowicz and Elizabeth Patterson
Noise:
Dean Blackketter
Special Thanks:
Lance Williams and Scott Stein
ATG Graphics Group
Software:
Peter Litwinowicz, Ned Greene and Lance Williams
Hardware:
Macintosh II, Silicon Graphics IRIS
Software:
Modeled and rendered by in-house software; sound recorded and mixed by Digidesign'ssound tools
Contact:
Peter Litwinowicz
Apple Computer, Inc.
20705 Valley Green Drive, MS 60W
Cupertino, CA 95014 USA
408-974-1752
408-474-0781 (fax)

Prebirth
Produced by:
Osama M. Hashem
Modeling and Animation:
Osama M. Hashem
Utility Programs:
Greg Dismond
Hardware:
Silicon Graphics 4D-25
Software:
Wavefront Technologies 3D Animation and Creator paint
Contact:
Osama M. Hashem
220 E. 25th Street, Apt #5A
New York, NY 10010 USA
212-779-1923
212-486-2664 (fax)

Robocop II
Produced by:
deGraf Wahrman, Inc. in conjunction with the Phil Tippet Company for TOBOR Productions and Orion Pictures; Starring Tom Noonan
Robocop Producer:
Jon Davison
Robocop Director:
Irvin Kirschner
Stop-motion Effects Direction:
Phil Tippet
Art Direction:
Craig Davies
CGI Effects Supervision:
Michael Wahrman and Brad deGraf
CGI Producers:
Sally Syberg and Anne Adams
Technical Direction:
Greg Ercolano

Puppeteering:
Trey Stokes
Modeling:
Ken Cope
Additional Technical Direction:
Adrian Iler
Special Face Consultant:
Lance Williams, Apple Computer, Inc.
Hardware:
Silicon Graphics IRIS 4D 70/GT, Symbolics
36XX,Cyberware
Software:
Performance Character Animation and Cyberware
Correlation by deGraf/Wahrman, Inc., Geometric
modeling software by Symbolics Graphics Center
Contact:
Michael Wahrman
deGraf/Wahrman, Inc.
8936 Keith Avenue
West Hollywood, CA 90069 USA
213-278-2135
213-278-2054 (fax)

A Sequence from the Evolution of Form
Produced by:
William Latham and IBM UK Scientific Centre
Artist:
William Latham
Software:
Stephen Todd, Peter Quarewoe
Animation:
Mark Owen
Soundtrack:
Mark Atres
Hardware:
IBM 3090, IBM 5080 Display
Software:
Winsom Esme
Contact:
William Latham
IBM UK Scientific Centre
St. Clement Street Winchester
Hampshire 5023 9DR United Kingdom
44-962-844-191
44-962-840-094 (fax)

7-Up "Saxophone"
Produced by:
Rhythm & Hues, Inc. for Leo Burnett, Inc.
Credits:
Richard Taylor, Paul Janas, Bill Meracl, Larry
Weinberg, Jean Cunningham, Min, Rick Ross, Lisa
O'Brien, Nick Bates, Darr Hawthorne, Keith
Goldfarb, and Charlie Gibson
Hardware:
SGI Predator, SGI 4D80/GT
Software:
Rhythm & Hues Proprietary

Contact:
Charlie Gibson
Rhythm & Hues, Inc.
910 North Sycamore Avenue
Hollywood, CA 90038 USA
213-851-6500
213-851-5505 (fax)

Smog: Visualizing the Components
Produced by:
Visualization Services & Development, National
Center for Supercomputing Applications
Scientific Research:
Greg McRae and Ted Russell, Carnegie Mellon
University and Pittsburgh Supercomputer
Visualization:
Michael McNeill, William Sherman and Aliza
Corson
Hardware:
Silicon Graphics 240 GTX, Abekas A64 and A72
Software:
Wavefront Technbologies and various in-house
Contact:
Colleen Bushell
152 Computing Applications Building
605 E. Springfield Avenue
Champaign, IL 61820 USA
217-244-6830
217-244-1987 (fax)

Solar Crisis Hologram Animation
Produced by:
Pacific Data Images/Boss Films
Credits—PDI:
Jamie Dixon, Tad Beier, Theresa Ellis, Terry
Emmons, Rex Grignon, Glenn Entis, and David
MuCullough
Credits—Boss Films:
Jim Rygiels, Niel Krepela, Mauro Maressa, Mike
Sweeney, Terry Windell, Richard Edlund, Ellen
Somers, and Christine Sellin
Copyright:
1990 Japan America Picture Company, Inc.
Contact:
Jamie Dixon
1111 Karlstad Drive
Sunnyvale, CA 94089 USA
408-745-6755
213-823-0433 (fax)

Splash Dance
Produced by:
Michael Kass and Gavin Miller, Apple Computer
Advanced Technology Group
Hardware:
Silicon Graphics 4D/210
Software:
Custom

Contact:
Michael Kass
Apple Computer, Inc.
MS 60W
20705 Valley Green Drive
Cupertino, CA 95014 USA
408-974-1754
408-974-0781 (fax)

Styro
Produced by:
Sinnott and Associates, Inc., Chicago, Tom Sinnott,
Joe Doll, John Putnam, and Terry Fryer
Hardware:
Silicon Graphics IRIS 4D-70
Software:
Wavefront
Contact:
Tom Sinnott
676 N. Lasalle Street
Chicago, IL 60610 (USA)
312-440-1875
312-440-1537 (fax)

Sunrise Animation
Produced by:
Semmania Luk Cheung, Design Vision Inc.
Producer:
George Hughes
Director:
Semannia Luk Cheung
CG Designers:
Semannia Luk Cheung, Mary Lynn Machado, and
John Coldrick
Product Design:
Terrelonge Design
Hardware:
Silicon Graphics 4D-70, 4D-25
Software:
Alias/2
Contact:
Semannia Luk Cheung
Design Vision Inc.
479 Wellington Street West
Toronto, Ontario, Canada M5V 1E7
416-585-2020

Think Twice
Produced by:
Homer & Associates
Director:
Peter Conn
Animation Director/Animator:
Michael A. Kory
Producer:
D. Rufus Friedman
Technical Director:
Larry Guterman
Agency:
Davis, Ball, and Colambatto
Art Director:
Jim Benedict
Copywriter:
Jeff Gelberg

Sound Design:
Hein Hoven/B5 Studios
Hardware:
Silicon Graphics IRIS 3130, PC/At's w/Vista frame buffers and transputer network
Software:
Wavefront 2.9 preview, Digital Arts 3.1 w/Transcender renderer
Contact:
Peter Conn
Homer & Associates
1420 N. Beachwood Drive
Los Angeles, CA 90028 USA
213-462-4710
213-462-2109 (fax)

This is not Frank's Planet
Produced by:
Instructional Media Center, California State University, Chico
Credits:
Mark Swain, Mike Wellins
Hardware:
ArtStar, Sony D2, Betacam SP, CMX 3100, Sony 900, Abekas A53D, Abekas A42, Korg T3
Contact:
Mark Swain
Instructional Media Center
California State University, Chico
Chico, CA 95929-0005 USA
916-895-4421

Total Recall
Produced by:
Metrolight Studios/Carolco Pictures
CGI Animation Director:
Tim McGovern
CGI Animation Line Producer:
George Merkert
Senior Animator:
Rich Cohen
Senior Animator:
Tom Hutchinson
Animator:
George Karl
Data Modeling:
Con Pederson, Neil Eskuri, Alan Ridenour
Sofware Designer:
Steve Kievatt, Yun Chen Sung, Mark Lasoff
Animation Camera:
Bill Kent
General Manager, Metrolight Studios:
Jim Kristoff
Contact:
Dobbie Schiff
Metrolight Studios
5724 W. Third Street, Suite 400
Los Angeles, CA 90036 USA
213-932-0400
213-932-8440 (fax)

Trillo's Adventures
Produced by:
Intermedia Audiovisivi-Italy
Massimo Temi for "Lo Specchio" Advertising
Script, Animation and Design:
Laura Di Biagio, and Mauro Di Flaviano
Music:
Tony Carnevale
Hardware:
Compaq 386 20
Software:
Cubicomp Picturemaker R60, Vers. 3.0
Contact:
Laura Di Biagio
Intermedia Audiovisivi S.N.C.
Piazza Eugenio Morelli, 8
Rome, Italy
6-681-1381
6-681-1471 (fax)

Tropicana "Wake Up"
Produced by:
Pixar Animation Production Group with Colossal Pictures
Producer:
Ralph Guggenheim (Pixar) and Shari Glusker (Colossal Pictures)
Animation:
John Lasseter
Modeling:
Yael Milo, Craig Good and Flip Phillips
Music:
Gary Rydstrom/Skywalker Sound
Hardware:
Workstations comprised of a Computer Consoles Power 6/32 processor and Evans & Sutherland PS350 display system
Software:
Pixar's "menv" modeling and animation, RenderMan interface
Contact:
Ralph Guggenheim
Pixar
3240 Kerner Boulevard
San Rafael, CA 94901 USA
415-236-4000
415-238-0388 (fax)

Tyd is Geld (Time is Money)
Produced by:
Robin Noorda and Leon Wennekes, Morphosis
Design:
Robin Noorda, Leon Wennekes
Operator:
Uris Mergan
Hardware:
Silicon Graphics IRIS + Pixar
Software:
Alias/1

Contact:
Robin Noorda
Leon Wennekes
Morphosis b.v.
Rembrandtlaan 24A
3723 BJ Bilthoven, The Netherlands
30-28-72-85
30-28-54-99 (fax)

Under the Puddle
Produced by:
Aliza Corson at the Advanced Computing Center for the Arts & Design, Ohio State University
Concept and Animation:
Aliza Corson
Music:
Daniel Remler
Software (particle system):
Susan Amkraut
Image Processor:
John M. Fujii
Renderer:
Scott Dyer
Post Production:
National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign
Editor:
Robert Patterson
Hardware:
Sun Microsystems, Abekas Digital Recorder
Software:
All software written at A.C.C.A.D.
Contact:
Aliza Corson
804 W. Church Street
Champaign, IL 61820 USA
217-244-5663
217-244-1987 (fax)

Yun Shan
Produced by:
Semannia Luk Cheung
Designed and Produced by:
Semannia Luk Cheung
Hardware:
VAX 11/785, Gems Framestore, Dunn Camera
Software:
Fractal software by Semmania Luk Cheung, Rendering software by John Vince
Contact:
Semannia Luk Cheung
c/o Design Vision Inc.
479 Wellington Street West
Toronto, Ontario, Canada M5V 1E7
416-585-2020
416-585-2389 (fax)

ANIMATION SCREENING ROOM CREDITS

Acolytes
Produced by:
Bob White at Simmons College and the Museum School
Special Thanks:
Larry Johnson
Hardware:
Commodore Amiga 2500
Software:
BYTE by BYTE's Sculpt-Animate 4D
Contact:
Bob White
Simmons College Dept. of Communications
300 The Fenway
Boston, MA 02115
617-738-2099

Adventures of Chromie "on the Rocks"
Produced by:
Production Masters, Inc.
Story and Animation:
Reneé Sauickie, Rich Yasick, Tom Casey
Hardware:
Silicon Graphics equipment, Ampex AVA-3
Software:
Alias Research, AVA-3, Artisan, 42 INC, In-house
Contact:
Tom Casey
Production Masters, Inc.
321 First Avenue
Pittsburgh, PA 15222
412-281-8500
412-391-7529 (fax)

Animation-Agony & Ecstasy 30 Times a Second
Produced by:
Stephen A. Wroble
Recording and Dubbing:
Schoolcraft College Media Center
Hardware:
Amiga 500
Software:
Deluxe Paint 2.0, Quickflix 0.13
Contact:
Stephen A. Wroble
818 North Holbrook
Plymouth, MI 48170
313-459-9155
313-459-7881 (fax)

Calibre Digital Design Compilation Reel
Produced by:
Calibre Digital Design Inc.
Director/Designer/Animator:
Neil Williamson and Chris Armstrong
Animator:
Andrew Grant
Producer/Production Manager
Cindy Cosenzo
Hardware:
386 Compaq computer, 32 bit VISTA system 300 meg hard drive, BVW70 Betacam SP, RGB Camera

Software:
Time Arts Crystal/Lumena
Contact:
Cindy Cosenzo
c/o Calibre Digital Design, Inc.
2 Melanie Drive, Unit 5
Bramalea, Ontario, CANADA
L6T 4K9
416-792-7611

Camera Work
Produced by:
Center for Computer Art and Animation, William Paterson College
Director:
David Haxton
1st Assistant Director:
Thomas Lee
2nd Assistant Director:
Craig Kovacs
Technical Director:
Wayne Herman
Hardware:
Silicon Graphics 4D and 3130 computers
Software:
Alias 1 and Alias 2
Contact:
David Haxton
Art Department
William Paterson College
300 Pompton Road
Wayne, New Jersey 07470
201-595-2799
201-595-3273

Cat Food!
Produced by:
Superfluo s.r.l.
Hardware:
Based on 386-486
Software:
In-house
Contact:
Francesco Chiarini
v.s. Felice 83 40122
Bologna, ITALY

CGI Demo #4
Produced by:
Post Perfect, Inc.
Created by:
Dean Winkler, Scott Gordon, Don Butler, Y. Tim Farrell and the Staff of Post Perfect
Hardware:
Silicon Graphics 4D - 240, 4D-20, 3130 and Celerity 1260, Abekas A-60
Software:
Wavefront ver. 2.9 and Post Perfect in-house object creation/interpolation

Contact:
Dean Winkler
c/o Post Perfect, Inc.
220 East 42nd Street
New York, NY 10017
212-972-3400
212-972-9085 (fax)

Choreographing Goal-Oriented Motion Using Cost Functions
Produced by:
David E. Breen, Phillip H. Getto
Credits:
Rensselaer Design Research Center
Hardware:
Vaxstation II/GPX, E & S P5390, SUN 4/280, RtI Model one/380
Software:
The Clockworks
Contact:
David E. Breen
Rensselaer Design Research Center,CII 7015,RPI
New York, NY 12180-3590
518-276-6482
579-276-2702 (fax)

Cold Fronts Moving Across the North Atlantic
Produced by:
Bill Hibbard, Dave Santek
Credits
Data from the European Center for Medium-Range Weather Forecasts
Hardware:
Stardent ST-2000
Software:
VIS-5D by Bill Hibbard and Dave Santek of SSEC
Contact:
Bill Hibbard
Space Science & Engineering Center
1225 W. Dayton Street
Madison, WI 53706
608-263-4427
608-263-6738 (fax)

The Dream of Mr. M
Contact:
Hiroshi Sakamoto
c/o Fuji TV Newtork, Inc.
3-1 Kawada-chou, Shinjuku-ku
Tokyo 182 JAPAN
81-2-253-1111 ext. 3426
81-3-357-6261 (fax)

Earthtecture Sub-I
Produced by:
Green Homes, M3,Plus One, Inc.
Credits
Green Homes, Plus One Inc., Shin Takamatsu Architects & Associates
Hardware:
Hewlitt Packard HP9000
Software:
In-house

Contact:
Ken Roger Sawai
Plus One, Inc.
803 Advance Esaka
8-10 Toyotsu-shi
Osaka 564, JAPAN
81-6-821-0801
81-6-821-0802 (fax)

Edo

Produced by:
Fujita Corporation, IBM Japan
Credits
Fujita Corporation, IBM Japan
Hardware:
IBM 3090, IBM 3080, DAIKIN COMTEC 3555
Software:
COMPASS of Fujita Co., DYNA-COMPASS of
Fujita Co.and DAIKIN Industries, Ltd., Rendering
Subroutine Package of IBM Japan
Contact:
Kazutoshi Sugimoto
IBM Research
Tokyo Research Laboratory
5-19 Sanbancho,Chiyoda-ku
Tokyo 102, JAPAN
81-3-288-8245
81-3-265-4370 (fax)

The Effects of Forces,Masses & Springs on Airborne Typography

Produced by:
Design/Effects is: Bill Chapman, Clay Croker, Ran
Coney, Barry Dempsey, Evette Everette, Frederike
Gravenstien, Kerry kenemer, Greg killmaster, Ed
kramer, Henry LaBounta, Jack Maloney, Jim
Moorhead, Bill Schultz, Barbara Smith, Fred
Sotherland, Dennis Webb, Vicki Webb, Joe hill
White, Charlie Willis, and Lisa Woods
Hardware:
Silicon Graphics 4D/80GT, Abekas A60, Sony
Dur1000, Quantel Digital Compositing Suite
Software:
Wavefront Advanced Visualizer, Barco Creator,
Proprietary Dynamic Constraint and Utilities
Contact:
Barry Dempsey
Design/Effects
535 Plasamour Drive
Atlanta, GA 30324
404-876-7149
404-876-8956 (fax)

Electron Densities of the AZT Molecule

Produced by:
Fred Dech, T.J. O'Donnell, EVL
Narration:
T.J. O'Donnell
Credits:
Additional computation done at N.S.C.A., Edited
at E. & C Media, Chicago

Hardware:
Cray2, IBM 3081, AT&T Pixel Machine,
Ardent Titan
Software:
Gaussian'86, AT&T Pixel Machine Piclib, C,
GRAMPS
Contact:
Fred Dech, T.J. O'Donnell
Electronic Visualization Laboratory
University of Illinois at Chicago
Chicago, IL 60680
312-996-3002
312-413-0024 (fax)

Escape to Planet Earth

Produced by:
Chris Walker, Jan Fritze
Credits:
Chris Walker, Jan Fritze, Geoffrey Fennell, Sharon
Compton, and Katherine Percy
Hardware:
286 PC with Definicon
Software:
Digital Arts
Contact:
Chris Walker
Mr. Film
228 Main Street #10
Venice, CA 90291
213-396-0146
213-396-5065 (fax)

Flashback

Produced by:
Nadia Thalmann, Daniel Thalmann
Credits
Nadia Thalmann, Daniel Thalmann, Benoit
Lafleur, and Dominique Boisvert
Hardware:
Silicon Graphics IRIS 4D/240 GTX
Software:
Human Factory
Contact:
Daniel Thalmann
Computer Graphics Lab
CH-1015 Lausanne
Switzerland
41-21-693-5214
41-21-693-3909 (fax)

Flight over Mandelbrot Set

Produced by:
Heinz Otto Peitgen, Hartmut Jürgens, Dietman
Saupe, and Cornelia Zahlten
Hardware:
Silicon Graphics Workstations
Software:
Computer Graphics Lab Dynamical Systems,
University of Bremen

Contact:
Hartmut Jürgens
University of Bremen, FB3
Bibliothekstr. 1
D-2800 Brement 33
West Germany
49-421-218-2926
49-421-218-4236 (fax)

The Formation of the Solar System

Produced by:
San Diego Supercomputer Center Advanced
Scientific Visualization Laboratory
Credits:
David Nadeau, Holliday Horton, Kevin Landel,
Edward Yaffa, T. Todd Elvins, and Merry Maisel
Hardware:
Silicon Graphics 4D/70
Software:
Alias
Contact:
David R. Nadeau
San Diego Supercomputer Center
Advanced Scientific Visualization
Laboratory
Box 85608
San Diego, CA 92186-9784
619-534-5062
619-534-5113 (fax)

Getting into Art

Produced by:
David S. Ebert, Julia M. Ebert, Keith M. Boyer
Original Music and Soundtrack:
Rohan De Livera
Eye Animation
Julia M. Ebert
Animation Playback System
Rob Rosenblum
Hardware:
A network of over 50 HP9000/300 series
Software:
Custom: Fog simulation, volume and scanline
rendering-David S. Ebert; Network Distribution-
Keith M. Boyer; Animation Language-Bob Manson
Contact:
David S. Ebert
Department of Computer and Information Science
The Ohio State University
2036 Neil Avenue
Columbus, Ohio 43210-1277
614-228-8412
614-292-9021 (fax)

Grinning Evil Death

Produced by:
Mike McKenna and Bob Sabiston, MIT Media Lab
Credits:
David Atherton, David Chen, Michael Johnson,
Peter Schroeder, David Small, Steve Strassmann,
and Radhika Nagpa

Hardware:
HP 835 Series 9000 Turbo SRX Workstations
Wacom pressure sensitive tablet, Connection
Machine II
Software:
Custom dynamic simulation, rendering,cel, and
multiplane camera simulation
Contact:
Mike McKenna, Bob Sabiston
20 Ames Street
E15-023
Cambridge, MA 02139
617-253-0661
617-258-6264

Growing Corn
Produced by:
Lamb & Company
Animation and modeling
David Novak
Hardware:
4070,Abekas A60
Software:
Wavefront, Lamb & Company Proprietary
Contact:
Pamela Lehn
1010 S. 7th Street
Minneapolis, MN 55415
612-333-9173
612-333-9173 (fax)

Hadrosaurus
Produced by:
Alan Rosenfeld at Videosmith, Inc.
Animation
Alan Rosenfeld
Scientific Consultant
Bob Walters
Hardware:
Silicon Graphics 3130,Silicon Graphics 4D/60
CS-12
Software:
Wavefront Technologies, DV8 and in-house code
Contact:
Alan Rosenfeld
328 Spruce Street #2
Philadelphia, PA 19106-4201
215-288-5050
215-238-5055 (fax)

Heat Pump Summer
Produced by:
Lamb & Company, Inc.
Computer Character and Final Edit:
Lamb & Company, Inc.
Directed by:
Lamb & Company
Hardware:
Silicon Graphics IRIS 4D-70, Abekas A60
Software:
Wavefront and Lamb & Company proprietary

Contact:
Pamela M. Lehn
Lamb & Company
1010 S. 7th Street
Minneapolis, MN 55415
612-333-8666
612-33-9173 (fax)

Hubble Space Telescope
Produced by:
Bob Rossman, Bruce Gil
Direction/Animation:
Bob Rossman
Models:
Bruce Gil, Bob Rossman
Hardware:
Silicon Graphics
Software:
Wavefront
Contact:
Bob Rossman
3618 Olympic Court N.
Pleasanton, CA 94566
408-754-9773
408-742-8462 (fax)

IAD
Produced by:
Nadia Magnenat-Thalmann, Daniel Thalmann
Credits:
Nadia Magnenat-Thalman, Daniel Thalmann,
Richard Laperrière, Eric Bouchard, and Dominiqu
Boisvert
Hardware:
Silicon Graphics IRIS 4d/240 GTX
Software:
Human Factory
Contact:
Daniel Thalmann
Computer Graphics Lab
Swiss Federal Institute of Technology
CH-1015 Lausanne, Switzerland
41-21-693-11-11
41-21-693-39-09

In Search of the Fingerprints of God
Produced by:
Mark Bajuk, Matthew Arrott
Animators:
Mark Bajuk, Matthew Arrott, Jeffrey Thingvold,
Jeffrey Yost
Editor:
Robert Patterson
Camera:
Vincent Jurgens
"Two guys from Chicago"
Produced and directed by Dan Boord
Hardware:
Visualization: SGI 4d/240 GTX
Sonification: Platypus
Software:
Visualization: Wavefront Technologies
Sonification: Kyma
In-house

Contact:
Colleen Bushell
152 Computing Applications Building
605 E. Springfield Avenue
Champaign, IL 61820
217-244-6830
217-244-1987 (fax)

Interstitial Dreamin'
Produced by:
Intelligent Light
Producer:
Jeanne Mara
Technical Director/Animator:
John Chekan
Modeling/Production Assistant:
Shane Wagner
Special Thanks:
Gianluca Paladini,Gordon Acocella, Art Zysk
Music:
Bill Frisell
Band:
"Hang Dog"
Hardware:
HP/Apollo Computer Network, Truevision Vista
Frame-Buffer
Software:
Intelligent Light 3DV System
Contact:
Jeanne Mara
Intelligent Light
P.O. Box 65/17-01 Pollitt Drive
Fair Lawn, NJ 07410
201-794-7550
201-794-6215 (fax)

Invertebrate Models
Produced by:
Kerry B. Clark
Hardware:
Mac II, Julian Systems, NTSC converter
Software:
Swivel 3-D, Macromind Director
Contact:
Kerry B. Clark
Professor of Biological Sciences
Florida Institute of Technology
Melbourne, FL 32901-6988
407-768-8000 ext. 8195
407-984-8461 (fax)

The Itsy Bitsy Spider
Produced by:
Pratt Institute Graduate Students
Credits:
Theresa Bextermiller, Rafael Castelblanco, Gina
Coniglio, Suck Il Hong, Michael Hunter, Kan
Kanzake, Tom Minnefor, Venantius Pinto, Lino
Ribolla, Kim Richmond-Jeffers,and Tso Feng Yeh
Hardware:
SGI Iris, Sony BVU950
Software:
Alias

Jetsons: The Movie
Produced by:
deGraf/Wahrman for Hanna-Barbera for Universal
Pictures
CGI Effects Supervision:
Brad deGraf and Michael Wahrman
CGI Producer:
Michelle Porter, Anne M. Adams
Production Manager:
Craig Newman
Coordination for Hanna-Barbera:
Jerry Mills
*Credits for Backgrounds—Head
Technical Director:*
Jim Hillin
Technical Directors:
Phil Zucco, Brad deGraf
Additional Technical Direction:
Larry Malone, Ken Brain, Liza Keith, Jay Sloat
Credits for Titles—CGI Direction:
Brian Jennings
CGI Producer:
Anne M. Adams
Design:
Dale Hergstad
Additional Art Direction:
Allen Battino
Technical Directors:
Phil Zucco, Brad deGraf, Wendy Elwell, Jay Sloat,
Larry Malone
Hardware:
Symbolics 36XX series, IRIS 4D70GT
Software:
Symbolics S-Products, Perform Software by
deGraf/Wahrman, Inc.
Contact:
Michael Wahrman, Sally Syberg
deGraf/Wahrman, Inc.
8936 Keith Avenue
West Hollywood, CA 90069
213-278-2135
213-278-2054 (fax)

Kiddipick Television Commercial
Produced by:
Pixel Perfect
Concept, Design, Animation:
Rex McIntosh, John Sheils
Hardware:
Cubicomp Picture Maker with RACE render
Accelerator
Software:
Cubicomp Picture Maker with some special
purpose enhancements

Le Pantin
Produced by:
Relief, Raymond Perrin and Frederic Nagorny,
Director of Production:
Raymond Perrin
Realisator and Animator:
Frederic Nagorny
Music:
Merjithur, Alain Schneider
Hardware:
Station Graphique Ikolight/PC
Software:
Relief Process
Contact:
Frederic Nagorny, Raymond Perrin
Relief
12-20, Rue Voltaire
93100 Montreuil Sous Bois, FRANCE
48-57-91-59
48-57-32-05 (fax)

Luke Le Block's Daring Escape
Produced by:
J. Gabriel Foster,
Story and Animation:
J. Gabriel Foster, Michael L. Sandige
Hardware:
Silicon Graphics Power Series, AT&T Pixel
Machine
Software:
Fly Max II by William R. Bishop, Douglas M. Priest
Contact:
J. Gabriel Foster
839 Pearl Street
Boulder, CO 80302
303-440-9631
303-440-4421 (fax)

Magma Tours
Produced by:
Ohshima-Machi, Tanseisah Co. Ltd.
Client:
Ohshima-Machi
Planning:
Izu Oshima Museum of Volcanoes
Chairman:
Kazuaki Ito
Produced:
Tanseisya Co. Ltd. Imagica Corp., Links Corp.
Supervisor:
Takashi Hamada (University of Tokyo)
Satoquo Tateno (University of Tokyo)
Executive Producer:
Minoru Manabe, Shizuo Ohashi

Producer:
Hiroshi Ajisawa
Director:
Toshiyuki Kasama
Production Manager:
Makoto Sasao
CG Director:
Yuji Hamajima
CG Designer:
Shoko Kitamura, Midori Nagai, Makoto Sugawara,
Ryuichi Snow, Masafumi Imanishi
CG Technical Staff:
Yoshihisa Hirano, Kohichi Noguchi
SFX Imagica Corp. Akira Takimoto, Sadanori Inada
Cameraman:
Shinichi Ohoka
Lightman:
Kazuo Takano
Production Collaboration:
Animation Staff Room Inc., Cinq Art
Film Processing and Video editing:
Imagica Corp.
Music and Sound Effects:
Media Art Creation, Yasuhiro Kawai
Redording Studio:
Take One Studio
Thanks to:
Takash Fukumoto
Contact:
Hiroshi Ajisawa
3-13-6 Higashi-shinagawa
Shinagawa-ku
Tokyo, 140 JAPAN

Mathematics! Similarity and the Story of π
Produced by:
Jim Blinn, Projects Mathematics!
Caltech
Credits
Tom Apostol, Jim Blinn, Don Delson
Hardware:
HP Vectra 25, 386 based PC clones
Software:
Home grown
Contact:
Jim Blinn
305 S. HIll Street
Pasadena, CA 91106
818-356-3758
818-356-3763 (fax)

The Nature
Produced by:
Dentsu Inc./Tokyu Agency Inc.
Client, The Ministry of Postal Services,
Nippon Telegraph and Telephone Corp., and
Kokusai-Denshindenwa Company
Producer and Script:
Madoka Katoh (Dentsu Inc.)
Producer:
Haruo Murao (Intervoice Inc.)
Tatuhiko Akamatu (Cinesell Japan Inc.)

Assistant Producer:
Hiroshi Soma (Dentsu Prox Inc.)
Director:
Jyun Asakawa
Assistant Director:
Shinji Ootake
Camera:
Kiyoshi Nishiura
Light:
Noboru Mori
Film Editing:
Hideaki Inoue
Music Composer:
Akira Inoue
Links Corporation—CG Staff
CG and SFX Producer:
Masaaki Taira
CG Director:
Hideki Nakano and Takahiko Akiyama
Creator:
Jyun Watanabe and Kimiko Kai
Animator:
Norio Saito
Technical Manager:
Kotaro Abe
Technical Director:
Masanori Ihara, Takahiro Yamamoto, Yoshihisa
Hirano and Koichi Noguchi
Software Programmer:
Toshio Tukada and Ahinji Tanaka
System Engineer:
Atushi Shiokawa
Production Manager:
Hiroyuki Seshita
Tree Simulation:
Cirado (France), Phillipe de Reffye, Daniel
Barthelemyand Pierre Dinouard
NAMCO CG Project—Creators:
Kenji Watanabe, Kazutaka Shirato, Jyun Watanabe,
Koichi Hiraga, Yasuo Ooba, Tohiaki Kato, Akiko
Wakabayashi and Tatushi Tuboi
Film Recording:
Kodak Imagic K.K.
Nega Editing:
Yoshio Naganuma
Film Processing
Imagic Corporation
Optical:
Makoto Nakamura (Imagica)
Timing:
Yoshiyuke Kiga (Imagica)
Optical Advisor:
Yutaka Kawamura
Music Producer:
Akio Oomori
Music Director:
Naoto Sekiguchi
Sound Effects:
Masatoshi Nizumachi
Hardware:
LINKS -2 (Original Custom made), SUN 4/280
Silicon Graphics IRIS -4D

Software:
Original
Contact:
Masaaki Taira
3-13-6, Higashi-shinagawa
Shinagawa-ku
Tokyo, 140 JAPAN
03-450-8181
03-471-2607 (fax)

1990 Namco
Produced by:
Namco Ltd.
Hardware:
Iris, Sun4, Mips, News
Software:
Namco Original
Contact:
Kenji Watanabe
Namco CG Project
Yokohama-Mirai-Kenkyujo
Kohoku-ku Yokohama JAPAN
81-45-593-0711
81-45-592-8086 (fax)

Numerical Simulations of Cosmic Jets
Produced by:
San Diego Supercomputer Center
Credits:
T. Todd Elvins, Jim McLeod, Dave Nadeau, Eddie
Yaffa, Kevin Landel, Merry Maisel
Hardware:
Cray XMP/48, Sun3/160, Pixar Image Computer
Software:
SDSC Imaging Code, NRAO Simulation Code
Contact:
T. Todd Elvins
c/o SDSC
Box 85608
San Diego, CA 92138-5608
619-534-5000
619-534-5113 (fax)

Occam's Razor
Produced by:
Hugh Bridgeford
Credits:
Electronic Visualization Lab, Design Visualization
Lab, U of I Chicago
Hardware:
Silicon Graphics Personal Iris
Software:
Alias
Contact:
Hugh Bridgeford
245 W. North #213
Chicago, IL 60610
312-996-0156
312-413-0024 (fax)

One Night
Produced by:
Hiromi Ono

Voice:
H. Miyoshi
Sound:
Y. Kawasake
Hardware:
Symbolics 3650
Software:
Symbolics paint and animation system, original
Contact:
Hiromi Ono
High Teck Lab, Japan Inc.
1-4-1 Higashiyama, Meguro-Ku
Tokyo, 153 JAPAN
81-3-711-5111
81-3-711-5110 (fax)

Open Road
Produced by:
Post Effects
Credits:
Don Hoeg, Joe Langenfeld, Mike Leben, Mark Kolb,
Eric Armstrong, Janet Renté
Hardware:
IMC Motion Control Camera LIfter, DFX
Composium, D1 and D2 Compositing
Software:
Alias/Z
Contact:
Don Hoeg
Post Effects
400 W. Erie
Chicago, IL 60610
312-944-o1690
312-944-4989 (fax)

Pacific Data Images
Produced by:
Pacific Data Images, Inc. is:Shoshana Abrass,
Nestor Aguinaldo, Carlos Arguello, Howard E.
Baker, Thad Beier, Susan B. Bentley, Ken
Bielenberg, Sharon Calahan, Richard Chuang,
Michael Collery, Jane DeKoven, Jamie Dixon,
Theresa Ellis, Terry Emmons, Glenn Entis, Debbie
Gaeta, Ray Giarratana, Deborah Giarratana, Steve
Goldberg, Rex Grignon, John Gross, Raman Hui,
Nick Ilyin, Tim Johnson, Mary Keenan, Larry
Lessler, Brad Lewis, Shae McClory, Susan McVey,
Shawn Neely, Doug Nichols, Joe Palrang, Janet
Rentel, Carl Rosendahl, Karen Schneider, Jim Six,
Tod Snook, Mark Sorensen, Lucy Torres, Dick
Walsh, Graham Walters, Jim S. Ward, and Patty
Wooton
Hardware:
Raster Tech frame buffers, Mips and Ridge
Computers
Software:
PDI In-house Proprietary
Contact:
Debbie Gaeta
1111 Karlstad Drive
Sunnyvale, CA 94089
408-745-6755
408-745-6746 (fax)

Paris Dakar 90
Produced by:
La Cinq
Credits:
Luc Froemucher, Sylvain Doros, Alain de Hoe,
Alain Duval, Andre Bellaiche, Ivan Patterntregor
Hardware:
Silicon Graphics 4D80, 4D20
Software:
TDI Explore
Contact:
Alain Guiot
Videosystem
707 Rue Faubourg Saint-Honoré
75008 Paris, FRANCE
1-42-56-42-33
1-45-63-68-35 (fax)

Pepsi Power Hour
Produced by:
Topix Computer Graphics and Animation
Producer:
Chris Wallace
Art Director:
Harold Harris
Animation:
Harold Harris, John Mariella, Bob Munroe, Denis
Gauthier
Hardware:
Silicon Graphics IRIS 4D70
Software:
Wavefront, custom
Contact:
Stephen Price
217 Richmond Street West
Toronto, Canada M5V-1W2
416-971-7711
416-971-6188 (fax)

Pittsburgh Supercomputing Center,
Scientific Visulization
Produced by:
Pittsburgh Supercomputing Center
Producers:
Anjana Kar, Joel Welling, Gray Lorig, Margaret
Schneider
Credits:
Jeffrey M. Knerr, Jon M. Morse, Dave Deerfield,
Darrin York, Gray Lorig
Hardware:
Diaquest controller, Umatic (Sony), Cray
Software:
Draw CGM, Oasis, GPLOT
Contact:
Anjana Kar/Joel Welling
Pittsburgh Supercomputer Center
4400 Fifth Avenue
Pittsburgh, PA 15213
412-268-4960
412-268-5832 (fax)

The Politics of Pleasure/
Papilloma Virus
Produced by:
Stephan Myers, Donna Cox, Ellen Sandor at the
Electronic Visualization Laboratory at UIC
Musical Track:
"Slip of the Tongue" by Art of Noise
Hardware:
AT&T Pixel Machine 946dX with Sun 3/280
Software:
AT&T pixel Machine Ray lib
Contact:
Stephan Meyers
Electronic Visualization Laboratory
Box 4348 M/C 154
Chicago, IL 60680
312-996-3002
312-413-0024 (fax)

The Process of Wound Healing
Produced by:
Atelier Bister-Animation Art GMBH
Design/Animation:
Jules Bister
Comment:
Elka Bister
Scientific Research:
Kel Cohen
Client:
Beiersporpag
Music:
D. Bekker
Hardware:
Kontron Kat386
Software:
Cubicomp PictureMaker 60 Race Level 3.0
Contact:
Jules Bister
Atelier Bister-Animation Art
Ludolfstr 42
2000 Hamburg 20
West Germany
49-40-46-1858
49-40-46-3249 (fax)

Rai Ciao Go
Produced by:
Superflou SRL
Credits:
Umberto Lazzari, Paolo Bazzani BTS, Cineca
Hardware:
PC, Apollo, Iris, Cray-VMP
Software:
In-house
Contact:
Francesco Chiarini
v.s. Felice 83 40129
Bologna, ITALY
39-51-551515
39-51-582246 (fax)

Reveil (Alarm Clock)
Produced by:
G. Pansu/Eurocitel

Credits:
Paul Coudsi, Daniel Boreustein, Hubert Fourneaux,
Christian Augé
Hardware:
Silicon Graphics 4D/20, IMC
Software:
TDI Explore
Contact:
Hubert Fourneaux
Eurocitel
1 quai Gabriel Péri
9430 Joinville le Pont
33-1-43-97-25-25
33-1-43-97-19-23 (fax)

The Robe of an Angel
Produced by:
Naoko Motoyoshi
Music Producer:
Yasuhiro Kawaski
Calligrapher
Natsumi Toki
Hardware:
Iris 3030, Iris 4-D, Pixar
Software:
Wavefront, DDS (original) Pixar
Contact:
Naoko Motoyoshi
4-24-12 Higashi Koiwa
Edogawa-ku
Tokyo, 133 JAPAN
81-3-672-4516
81-3-711-5110 (fax)

Rush Hour
Produced by:
Allen Hastings
Hardware:
Commodore Amiga 2000
Software:
NewTek LighWave
Contact:
Allen Hastings
905 W. Middlefield Road #909
Mountain View, CA 94043
415-965-1925

Scenes from CPUAX, GaAs INFO
Produced by:
TRW Engineering Visualization Center
Credits:
Robert Small, Lorne Lanning, Drew
Henry, Jim Banister, Jim Mains, Raminta Jautokas,
Cindy Frederick, Josh Gabriel
Hardware:
Silicon Graphics 4D series
Software:
Wavefront
Contact:
Andrew C. Henry
One Space Park Drive R4/1183
Redondo Beach, CA 90278
213-814-4830
213-812-7110 (fax)

Screen Play

Produced by:
Rafael Martinez, Frederic Nery
Pygmee Production
Hardware:
Silicon Graphics
Software:
Softinage 4D Creative Environment
Contact:
Rafael Martinez
Pygmee Production
4 Rue de la Republique
34000 Montpellier
FRANCE
33-67-58-05-60
33-67-55-97 (fax)

sfpg—Selected graphics

Produced by:
Michael Wills
Credits:
Kirk Jay McInroy, Rick McKee, Michael Willis,
Tony Lupidi, Rita Zimmerman, Monte Thompson,
and Mark Raupach
Hardware:
SGI 4D, Sun workstations
Software:
Vertigo, Wavefront
Contact:
Michael Wills
550 Bryant Street
San Francisco, CA 94107
415-495-5595
415-543-8370 (fax)

S.S. Freedom—The Ultimate Challenge

Produced by:
Intelligent Light, Animation elements from "Space
Station Freedom Advanced Visualization"
produced for SDRC
Engineering Services
Intelligent Light
Special Thanks
Jeff Young (SDRC Engineering Services)
Kelly Carney (NASA LeRC)
Hardware:
HP/Apollo Network, TrueVision Vista Frame
Buffer
Software:
Intelligent Light 3DV, Geotrans; SDRC Geomod,
Supertab; MSC/Nastran
Contact:
Steve M. Legensky
Intelligent Light
P.O. Box 65
17-01 Pollitt Drive
Fairlawn, NJ 07410
201-794-7550
201-794-6215 (fax)

Sierpinski Blows His Gasket

Produced by:
John C. Hart and Sumit Das, Electronic
Visualization Laboratory at University of Illinois
at Chicago
Sound:
Sumit Das and John C. Hart
Hardware:
AT&T Pixel Machine 964dX, Silicon Graphics
Personal IRIS, TrueVision Vista, Zenith Z-200 PC,
Sony BVW-75 Betacam VTR
Software:
Pixel Machine Devtools, C, Silicon Graphics
Library, TrueVision Stage
Contact:
John C. Hart
Electronic Visualization Laboratory
University of Illinois at Chicago
Box 4348 M/C 154
Chicago, IL 60680
312-996-3002
312-413-0024

Sity Savvy

Produced by:
John Chadwick, Don Stredney at the Advanced
Computing Center for The Arts & Design
Hardware:
Sun 4/110 Sparcstation Abekas Still Store
Software:
ACCAD and OSGP In-house
Contact:
Don Stredney, John Chadwick
The Advance Computing Center for the
Arts & Design
The Ohio State University
1224 Kinnear Road
Columbus, OH 43212
614-292-3416
614-292-7168 (fax)

Special Effects

Produced by:
Carl B. Stone, Apple Creative Services
Credits:
John Lasana, Dean Foster, Larry Stead
Hardware:
Macintosh
Software:
Symbolics
Contact:
Carl B. Stone
Apple Computer, Inc.
10455 Bandley Drive
Cupertino, CA 95014
408-974-4549
408-866-8516 (fax)

Stegosaurus: The Roof Lizard

Produced by:
J. Donkin, W. Burrows, J. Staveley
Director:
J. Donkin

Animation:
W. Burrows and J. Staveley
Writer:
R. Gebel
Sound:
J. Light, J. Donkin
Hardware:
Sun4-260, Sun Sparcstation, Abekas A60,
Convex C-1
Software:
In-house ACCAD and preliminary versions of ApE
Contact:
John C. Donkin
1224 Kinnear Road
Columbus, OH 43212
614-292-3416
614-292-7168 (fax)

Thought Grid

Produced by:
Robert King
Animation and Sound:
Robert King
Hardware:
Amiga 2000
Software:
"Director" Delux Paint III, Perfect Sound
Contact:
Robert King
10502 N. 53rd Street
Temple Terrace, FL 33617
813-985-0023

3D Images from Space: The UK Perspective

Producer:
Philip Eales, Jan Peter Muller
Credits:
Tim Day, David REes, Tony Chan, Paul Otto, Mark
O'Neill, Paramananda
Hardware:
Network of mixed Sun-3/4 workstations
Software:
UCL Dynamic Visualisation Toolkit and UCL
Sterio vision GEODEM
Contact:
Dr. Jan-Peter Muller
Department of Photogrammetry
and Surveying,
University College London
Gower Streeet,LONDON WCIE 6BT, U.K.

Top That

Produced by:
Animation Lab at the Capital Children's Museum
Credits:
Christopher Grotke, Gael Harlow, Virginia Harlow,
Robert Beech, Daren Wheeling
Hardware:
Targa Board, 386 At, Vista Frame Buffer
Software:
Pansophic Studioworks 3.2

Contact:
Christopher Grotke
Animation Lab at the Capital Children's
Museum
800 3rd Street NE
Washington, DC 20002
202-675-6872
202-675-4140

Tribune Broadcasting Group
Christmas ID
Produced by:
Design/Effects
Creative Director:
Kerry Kenemer
Art Director:
Fred Sotherland
Animators:
Ed Kramer and Barry Dempsey
Lighting:
Barry Dempsey
Modeling:
Ed Kramer, Barry Dempsey, Greg Killmaster
Hardware:
Silicon Graphics 4D-70GT, Abekas A60
Software:
Wavefront Advanced Visualizer, Barco Creator
Contact:
Barbara Smith
Design/Effects
535 Plasamour Drive
Atlanta, GA 30324
404-876-7149
404-876-8956 (fax)

The Untouchable Diamond
Produced by:
Tsun-chih Lo, Thesis Advisor and Chris Wedge
Instructor:
Msaureen Nappi
Technical Instruction:
Bruce Wands, John Simon
Criticism:
Barbara Nessin
Music:
Henry Mancini
Hardware:
Silicon Graphics Iris
Software:
ALIAS Version 2.4.1
Contact:
Tsun-chih Lo
34-09 Murray Street
Flushing, NY 11354
718-939-5646
718-463-2829 (fax)

Venus & Milo
Produced by:
Donna J. Cox
Credits:
University of Illinois, Art Class 331 and Post
Production Facility at the National Center for
Supercomputing Applications

Hardware:
Silicon Graphics 220S, Personal Iris Digital frame
store
Software:
Wavefront
Contact:
Donna J. Cox
Beckman Institute
Drawer 25 - NCSA
405 N. Mathews Avenue
Urbana, IL 61801
217-244-2005
217-244-2909 (fax)

Very Few Pixels
Produced by:
Alex George
Hardware:
Amiga 2500
Software:
D-Paint III, Sculpt/Animate 3D
Contact:
Very Few Pixels
843 Zinnia Lane
Palatine, IL 60074
708-359-4151
708-228-3508 (fax)

Vision D'Une Schizophrene
Produced by:
Ryoichiro Debuchi, High Tech
Lab. Japan, Inc.
Artist:
Ryoichiro Debuchi,
Music:
Yasuhiro Kawasaki,Yuko Takashima
Hardware:
Silicon Graphics Iris 4D 70GT
Software:
Wavefront, Digital Dynamation System
Time-Space Converter
Contact:
Ryoichiro Debuchi
High Tech Lab. Japan, Inc.
Court Setagaya 1-15-11, Michyuku
Setagaya-ku, Tokyo 154, JAPAN
81-3-711-5111
81-3-711-5110 (fax)

Visualizing Fermat's Last Theorem
Produced by:
Indiana University Computer Science & CICA
Concept and Production:
Andres J. Hanson
Animation:
Pheng Heng, Brian Kaplan
Assistants:
Dennis Gannon, Rick McMullen, Eric Ost
Hardware:
Stardent TITAN, Sony 9850, Lyon-Lamb Minivas
Software:
Wavefront, Stardent Doré graphics library

Contact:
Andrew J. Hanson
Computer Science Department
Indiana University
Bloomington, IN 47405
812-855-5855
812-855-3310 (fax)

Walk and Run
Produced by:
Superfluo
Credits:
BTS, Cineca, Umberto Lazzari, Paolo Bazzani
Hardware:
Cray-XMP
Software:
In-house
Contact:
Francesco Chiarini-Superfluo
v.s. Felice 83 40199
Bologna, ITALY
59-51-551515
59-51-582256 (fax)