

SHOWSCAN™

SHOWSCAN™

AN INTRODUCTION

The Showscan film process combines the power of soaring imagination with breakthrough advances in film technology creating an illusion of reality unprecedented in the history of motion pictures. Its panoramic screen appears to open up and invite you inside...

You live it. You feel it.
You are in it.

To achieve the brightest, sharpest images ever seen, Showscan projects its massive 70mm image at 60 frames per second — 2½ times faster, 4 times brighter and 4 times larger than standard projection. The Showscan experience is enhanced by a powerful six channel Dolby sound system.

Created by a team of motion picture wizards led by the remarkable Douglas Trumbull, Showscan is the future of film.

What can it do? How can it be applied?
Use your imagination.



"Astounding... Showscan™ packs a visceral wallop... the effect is new, uncanny and almost indescribable!"

American Film Magazine

Conventional Film

Size: 35mm

Frames Per Second: 24

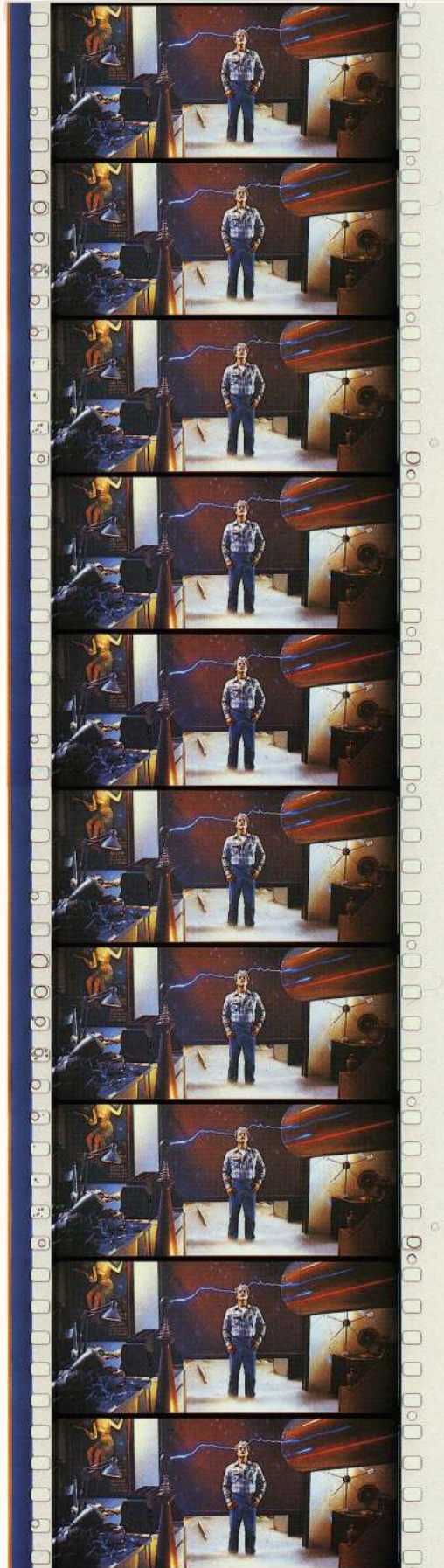


Each film sample represents
 $\frac{1}{6}$ second of viewing time.

The Showscan System

Size: 70mm

Frames Per Second: 60



Extensive psychological and physiological testing demonstrates Showscan's 60 frames per second rate approximates the speed at which the eye itself perceives reality.

Showscan's projection delivers more than 10 times the information of standard 35mm feature film. The image conveys a powerful sense of 3-dimensionality, extreme clarity, dynamic motion, and brilliant color.



Christopher Lee as "Mr. Kellar" in *New Magic*.

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THEATER

Showscan's floor-to-ceiling curved screen, its proportions based on a ratio of image size to audience size, provides the perfect canvas for Showscan's artistry. The image is so real, so vivid, that the screen disappears.

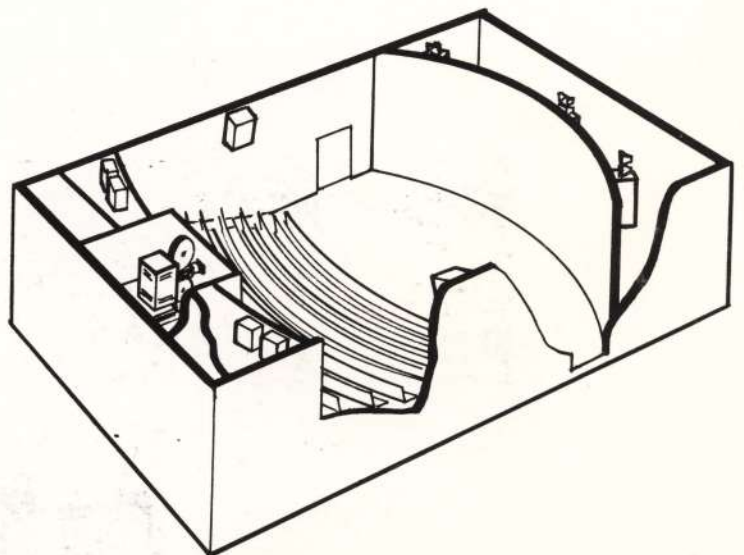
Unlike typically long and narrow movie theaters, the Showscan Theater is almost square, allowing the audience an optimum 60 to 90 degree view of the screen. Showscan Theaters can be installed in existing structures or custom designed and themed to meet special needs with seating capacities of 50 to 2000.

Designed to complement and enhance Showscan, the theater provides the optimum environment in which to experience this revolutionary motion picture process.

A high-speed 70mm projector with custom lenses exhibits Showscan productions with a brightness unparalleled by conventional film.

Showscan's six track magnetic sound system, with a sound pressure level of up to 120 decibels, creates an aural experience of absolute realism.

Unique, steeply raked, curved-row seating provides everyone with an unobstructed view.



"Unbelievable... Astounding... A breakthrough that may someday rank with the first deployment of sound and color in film..."

The Washington Post

SHOWSCAN™

SHOWSCAN FILM PRODUCTION

Showscan Film Corporation is a complete motion picture studio, fully staffed with some of the most talented people in the motion picture industry. We can provide creative film development, including scripting, casting, production personnel, photography, and post-production, as well as project management; accounting, legal, administration, legal, business affairs, and public relations departments, and a full engineering, design, and architectural staff to support a wide diversity of complex projects — from feature length films to high impact simulations.

Showscan operates extensive facilities which are dedicated exclusively to 70mm Showscan film production, including a fully equipped and staffed special photographic effects studio; editorial equipment and personnel; electronic and mechanical engineering departments; architectural and motion picture miniature and prop construction shops, as well as a full-time engineering staff to support our on-going programs in camera, sound, and projector development.

We have stages, screening facilities, editing rooms, lights and cameras; a wide range of specialized equipment such as underwater camera and propulsion systems, airplane and helicopter camera mounts, special lenses,

animation cameras, and remote and computer-controlled photographic systems; 70mm optical printers, special film coding and synchronizing equipment, and video cameras and recorders.

We have writers, researchers, illustrators and draftsmen on staff. We also have a wide range of specialized consultants on call for such projects as optical, acoustical, and architectural design.

Showscan provides a truly advanced motion picture studio that puts us on the leading edge in film entertainment.



Douglas Trumbull and the 70mm Computerized Camera System at Entertainment Effects Group (EEG).

*"Dazzling... Dizzying... The biggest film breakthrough since color!
... a heightened sense of reality, a sense of depth unprecedented in movies!"*

Dallas Morning News



The SHOWSCAN™ Underwater Camera System.



The SHOWSCAN™ 70mm Automatic Projector and Lamphouse.



A scene from *Let's Go*, produced for Expo '85, Tsukuba, Japan, and shown on a 36 ft. x 84 ft. screen in a 500-seat Showscan Theater.



Mixing SHOWSCAN™ six channel sound



Special Effects Crew prepares a shot.



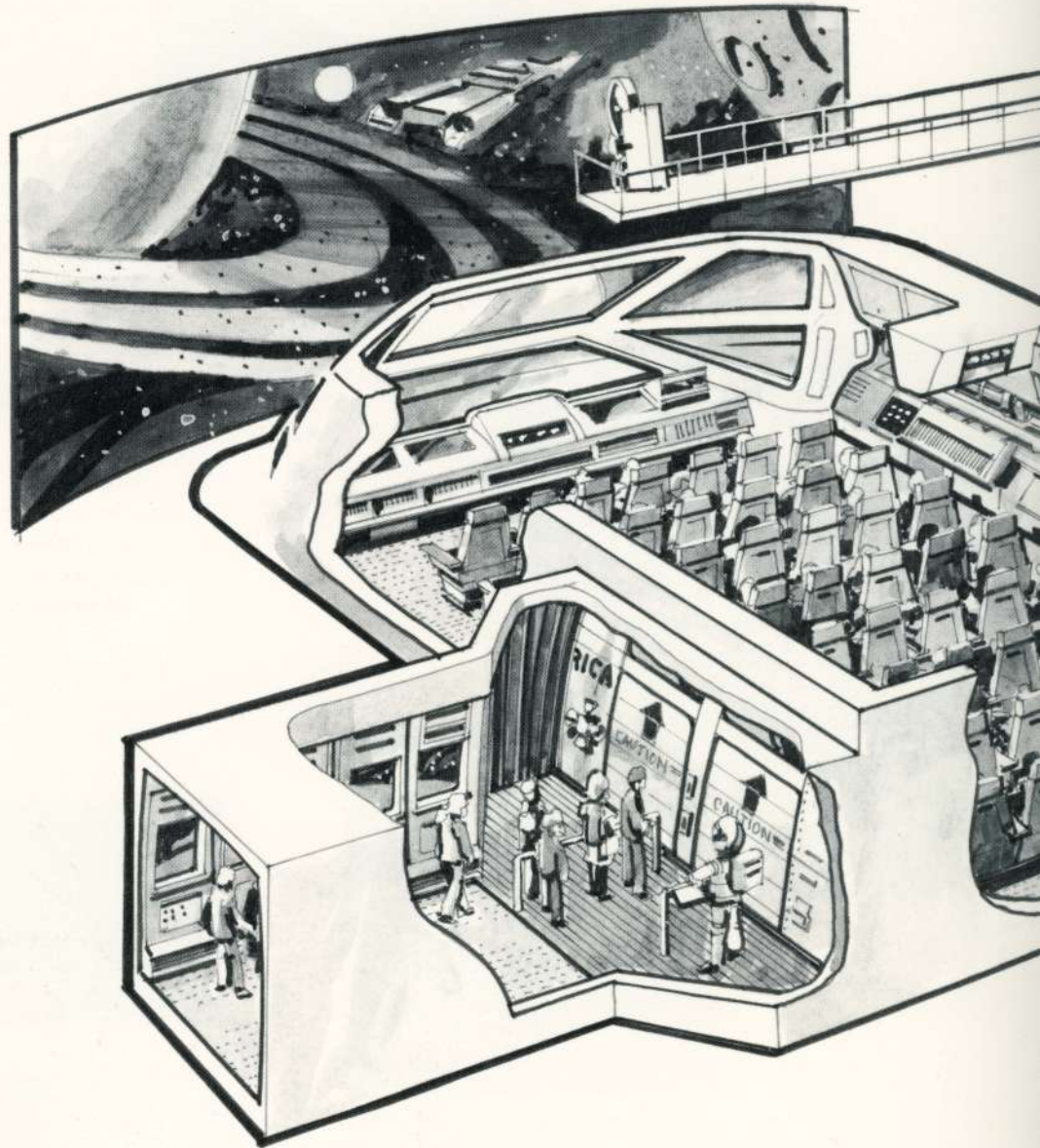
Douglas Trumbull directs Christopher Lee in *New Magic*.

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SPECIAL APPLICATIONS

Most people will never sail the universe in a starship, descend to the ocean floor in a submersible, or witness the detail revealed by a Scanning Electron Microscope. Showscan's realism recreates these and limitless other experiences that can entertain and educate in a variety of environments.

Our management team will help you assess the design, cost, and profitability of a Showscan attraction to meet your specialized market requirements.



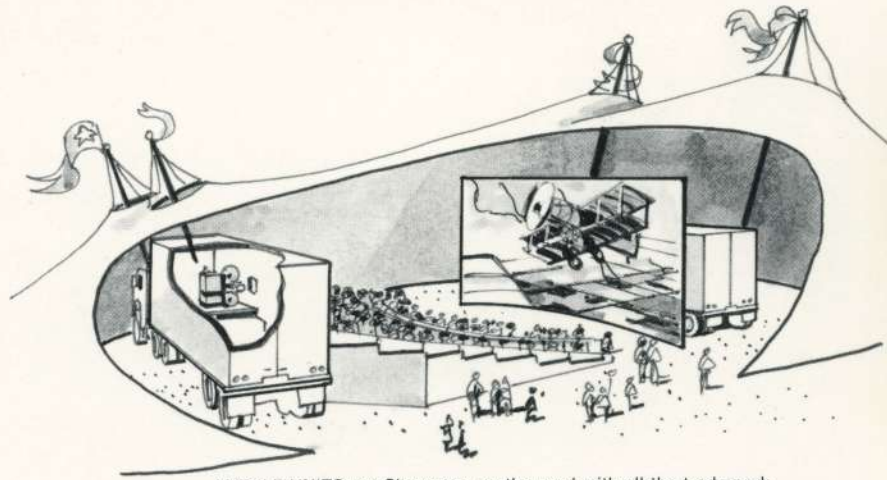
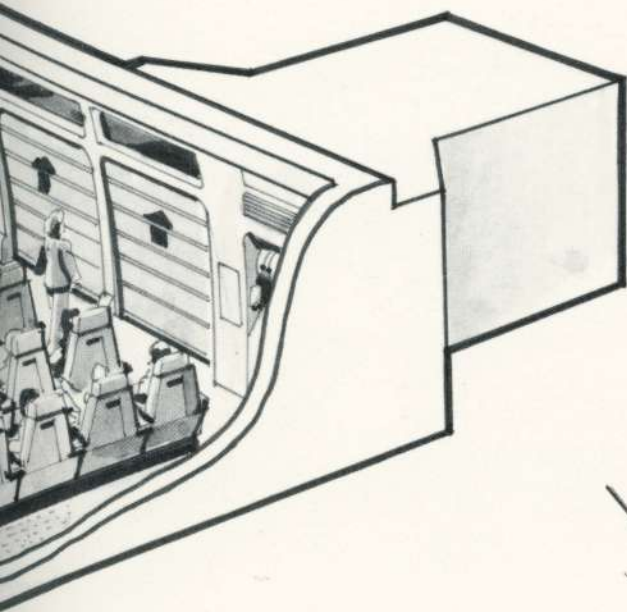
THE SHOWSCAN SIMULATOR creates the total illusion of a real adventure in a space ship, submarine, time machine—use your imagination. Showscan projection and sound are experienced from inside a themed vehicle interior.



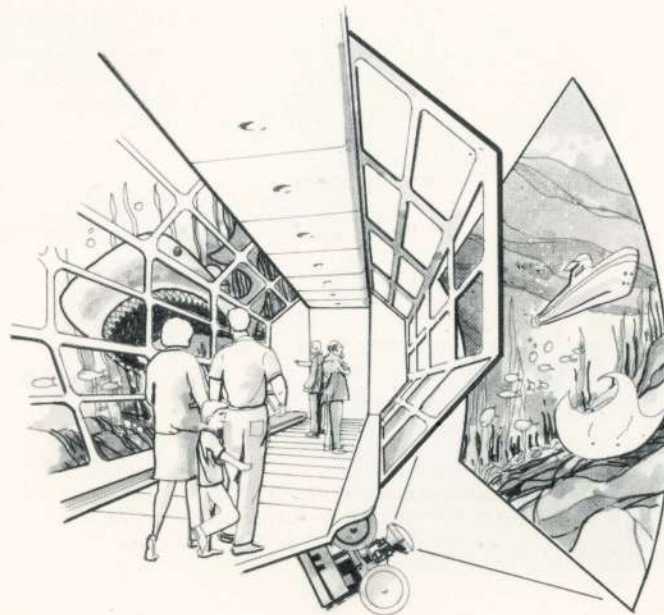
SPECIALTY THEATERS enhance a Showscan presentation with a themed viewing environment.



EDUCATIONAL FILMS made in Showscan create powerful experiences, and experience is the best teacher.



MOBILE UNITS put Showscan on the road with all the trademark sound and projection quality of a permanent theater.



WALK THROUGH ENVIRONMENTS put the participants into the scene; viewers' perspectives change as they walk along.

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THE COMPANY

The Showscan process was developed in 1976 by Douglas Trumbull for Future General Corporation, a subsidiary of Paramount Pictures Corporation. Further testing and fine tuning of the process occurred with the formation of Brock/Trumbull Entertainment Corporation when Peter Beale joined the company as President. Subsequently, the first Showscan films, *New Magic* and *Big Ball*, were produced and extensively exhibited in four public test theaters in May 1984.

The Showscan process is patented in the US, with patents pending worldwide. The company name was changed to Showscan Film Corporation in November 1984. Douglas Trumbull is Co-chairman, responsible for the company's creative and technical development. Peter Beale is President and Chief Executive Officer.

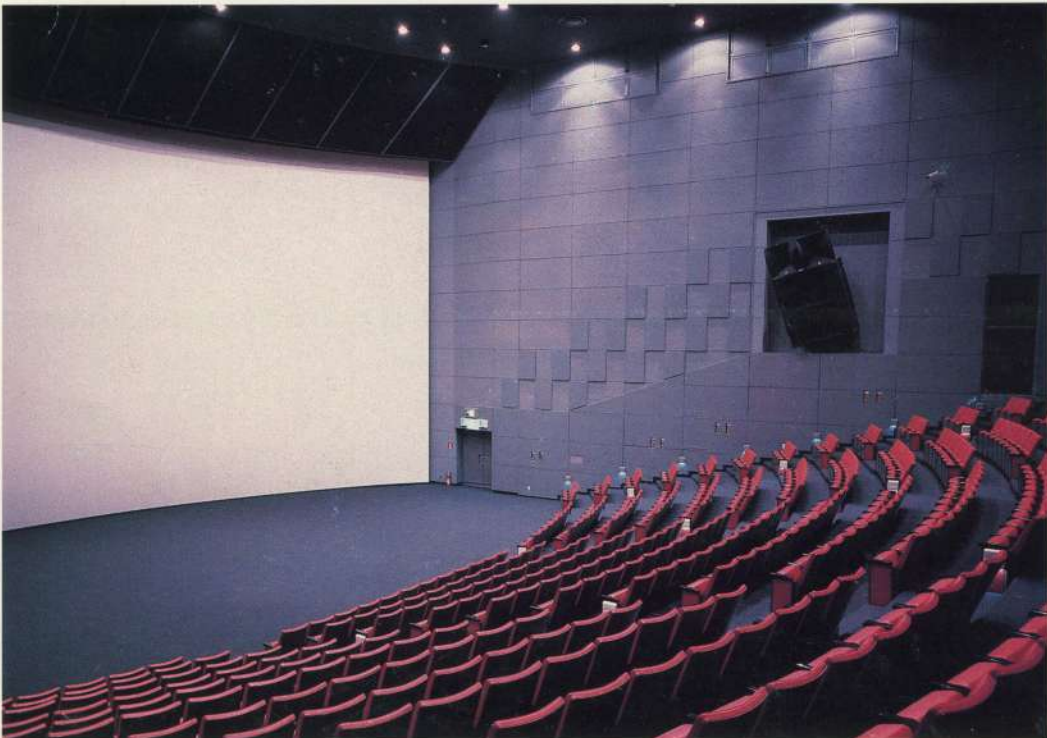


SHOWSCAN™

SPECIALTY THEATRES



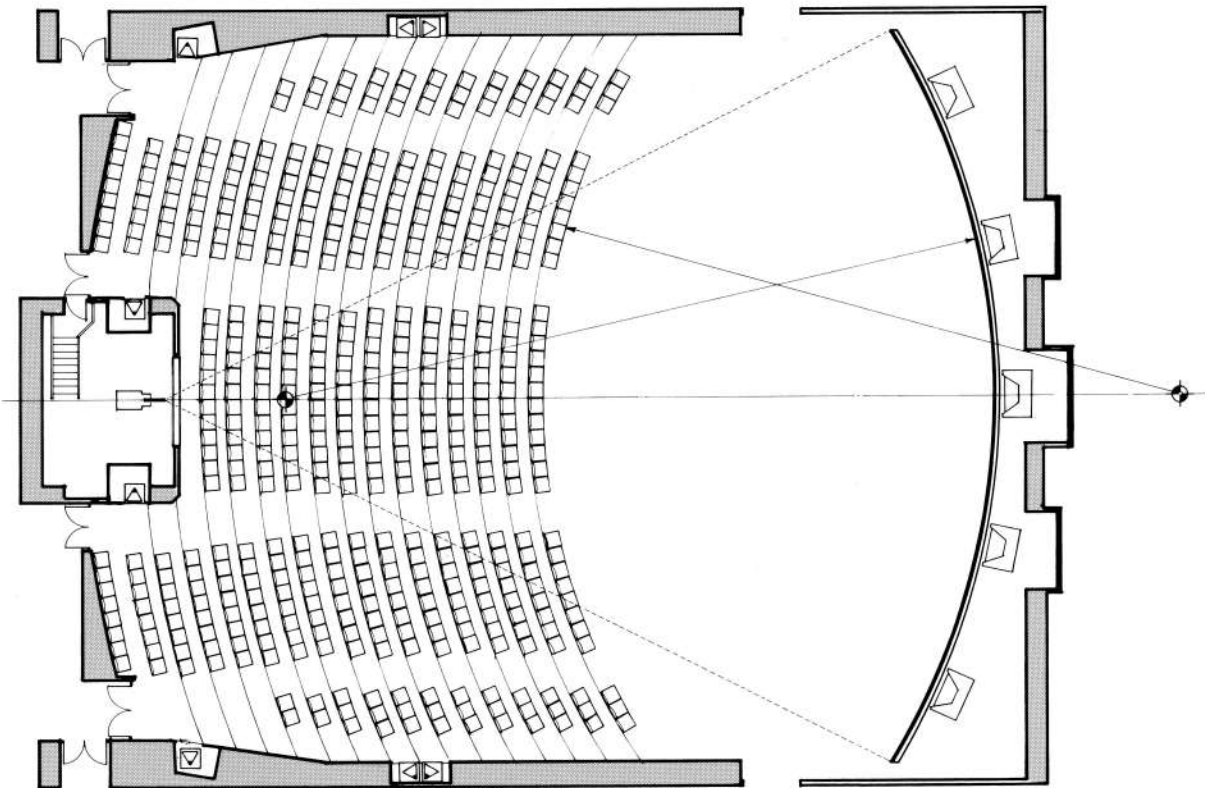
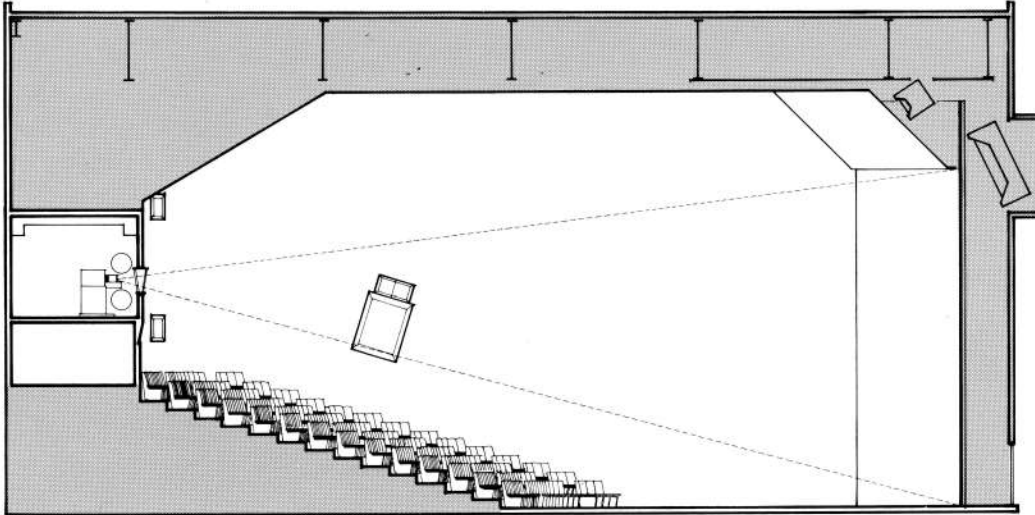
The 500-seat SHOWSCAN™ Theatre with 29 ft. x 64 ft. screen (9 m x 20 m) in the British Columbia Pavilion at the 1986 World Exposition, Vancouver, Canada.



The 540-seat SHOWSCAN™ Theatre with 36 ft. x 84 ft. screen (11 m x 26 m) in the Toshiba Pavilion at Expo '85, The International Exposition, Tsukuba, Japan.

SHOWSCAN™

500-Seat Theater Expo '85, Tsukuba, Japan



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THE TEAM

Douglas Trumbull

Co-chairman, Showscan Film Corporation

Douglas Trumbull, Showscan's inventor, first came to international attention as one of the artists who supervised special effects for Stanley Kubrick's *2001: A Space Odyssey*. He has also created special visual effects for *The Andromeda Strain*, *Close Encounters Of The Third Kind*, *Star Trek—The Motion Picture*, and *Bladerunner*. In addition to various Showscan projects, Trumbull has written and directed the highly acclaimed *Silent Running* and produced and directed *Brainstorm*.

Mr. Trumbull is partners with Richard Yuricich A.S.C., and Richard Edlund A.S.C., in Entertainment Effects Group (EEG), the world's largest 70mm photographic effects studio. The combined credits of the partners include *Star Wars*, *The Empire Strikes Back*, *Return Of The Jedi*, *Poltergeist*, *Ghostbusters*, and *2010: Odyssey Two*.



Peter Beale

President and Chief Executive Officer, Showscan Film Corporation

Showscan President Peter Beale's film credits include *Lawrence of Arabia*, *Doctor Zhivago*, *Star Wars*, *Alien*, *The Omen*, *Julia*, *The Rocky Horror Picture Show*, and *A Touch of Class*. He was Managing Director and European production executive of 20th Century-Fox London and later EMI Films Ltd.



Eric Allard

Supervisor of Special Physical Effects

Special effects foreman, Aaron Spelling Productions, Disney Productions, *Brainstorm*.

Don Baker

Supervisor of Special Photographic Effects

Former graphic effects supervisor, Entertainment Effects Group (EEG); director of photography, graphic systems; *Brainstorm*, *Bladerunner*, *Star Trek—The Motion Picture*

Glenn Berggren

Consultant: Advanced theater design, special viewing and projection concepts, optical and illumination systems.

Vice President, Theater and Audio Visual Division, Optical Radiation Corporation, Azusa, CA

Sandy Berman

Consultant; Sound effects

Sound track design; *Radioactive Dreams*, *Cloak and Dagger*, *The Stone Boy*, *Jaws III*, *The Sword and the Sorcerer*, *Miss Lonelyhearts*; former record producer, MCA Records

David Collins

Technical Director

Development/implementation, technical systems for sound, light, and film; former Show-Ride Systems Manager, WED Enterprises; consultant, Jet Propulsion Laboratory (JPL), Whittaker Corporation

Philip Collins

Director of Creative Development

Script and talent coordinator; former literary agent, independent producer, 20th Century-Fox; production executive, EMI Distributors Ltd.

Bruce Davy

Consultant: Acoustical Engineering

Reverberation control, room acoustics, noise control. President, Davy & Associates, Inc., Manhattan Beach, CA

Harry B. Friedman, II

Director of Special Projects

Former president, The Dallas Communications Complex, Dallas, Texas; independent film producer; real estate developer

Gerald Nash

Consultant: Exhibit and Theater Design; projection and sound systems installation

Consultant, Universal Studios Tour, Apogee, Inc., Paramount Sound Systems, Future General Corporation; formerly with Herb Rosenthal & Associates, Inc., The Office of Charles Eames

Holle Robertson

Director of Publicity and Public Relations

Former producer/writer/director, National Public Radio News; post-production coordinator, Zoetrope Studios, Marble Arch Productions; publicist, Panavision/Tech Seminars

Wayne Smith

Director of Exhibition Design

Design for television, film production, exhibit, and special venues; formerly with Fred Hope and Associates; Universal Pictures; Future General Corporation

Mark Stetson

Supervisor of Miniatures

Miniatures supervisor; *2010: Odyssey Two*, *Ghostbusters*, *Brainstorm*, *Bladerunner*; miniatures co-supervisor; *The Right Stuff*, *Buckaroo Banzai*

Ann Vidor

Executive/Creative Affairs

Assistant to Douglas Trumbull, Brock/Trumbull Entertainment Corporation; former free-lance designer; graphics, costumes and textiles, games and toys, packaging

Allen Yamashita

Producer

Former assistant to Douglas Trumbull, Brock/Trumbull Entertainment Corporation; production assistant, The Aldrich Company and MGM-UA; independent producer/director, commercials, cable TV, documentaries

Richard Yuricich A.S.C.

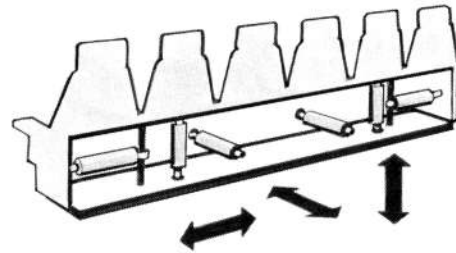
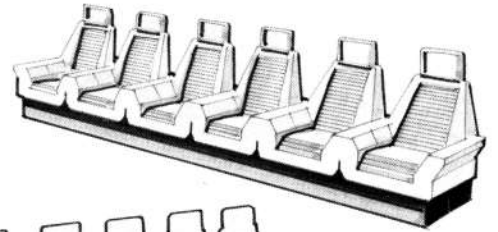
Consultant/Supervising Director of Photography

Partner, Entertainment Effects Group (EEG) Film credits: *Brainstorm*, *Bladerunner*, *Star Trek—The Motion Picture*, *Close Encounters of the Third Kind*, *Silent Running*

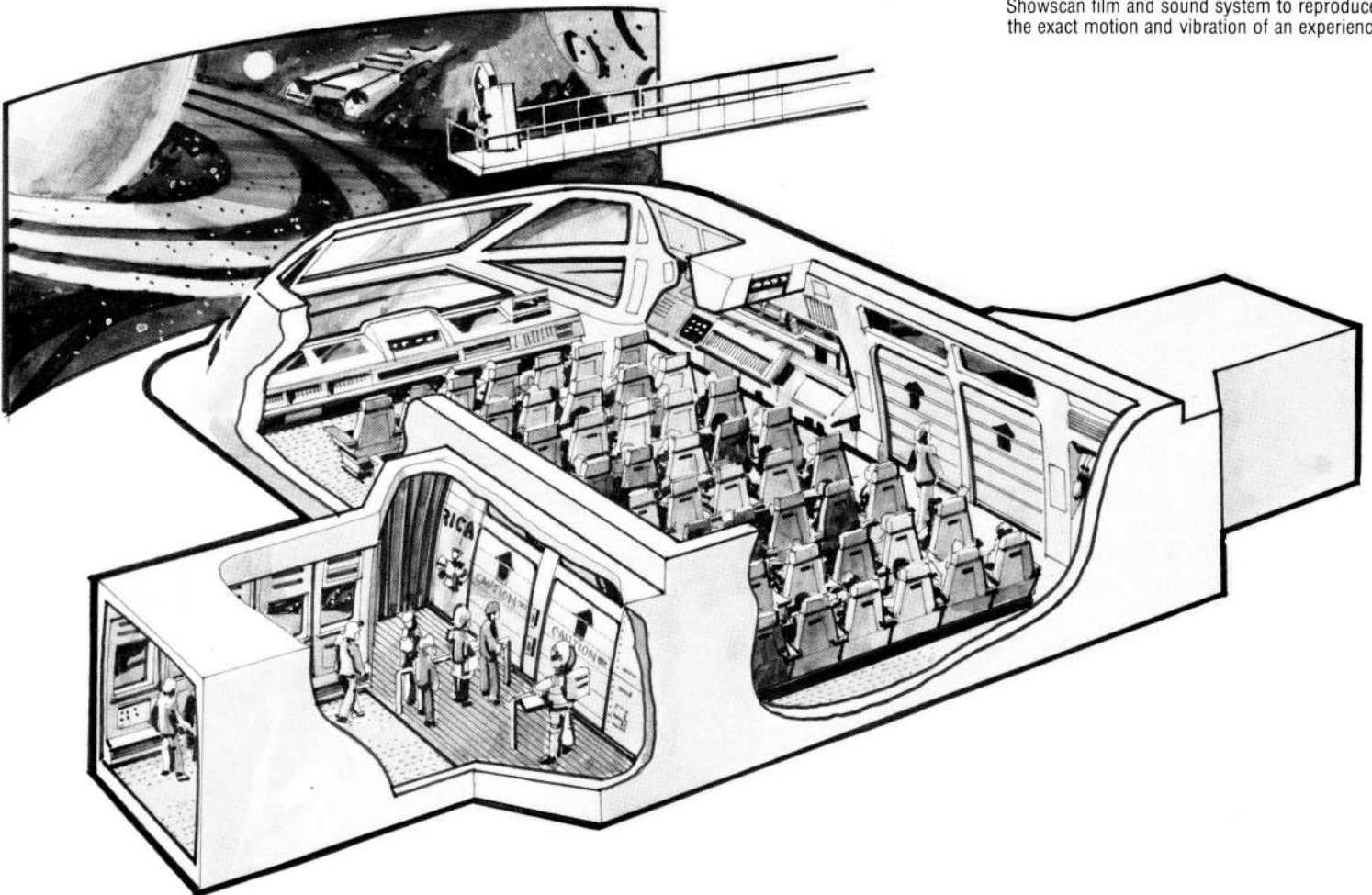
SHOWSCAN™

SIMULATOR

The Showscan Simulator creates the total illusion of a real adventure in a space ship, submarine, time machine—use your imagination. Showscan projection and sound are experienced from inside a themed vehicle interior. Hotseats provide dynamic motion and vibration.



HOTSEATS are modular rows of hydraulically actuated seating, synchronized to the Showscan film and sound system to reproduce the exact motion and vibration of an experience.



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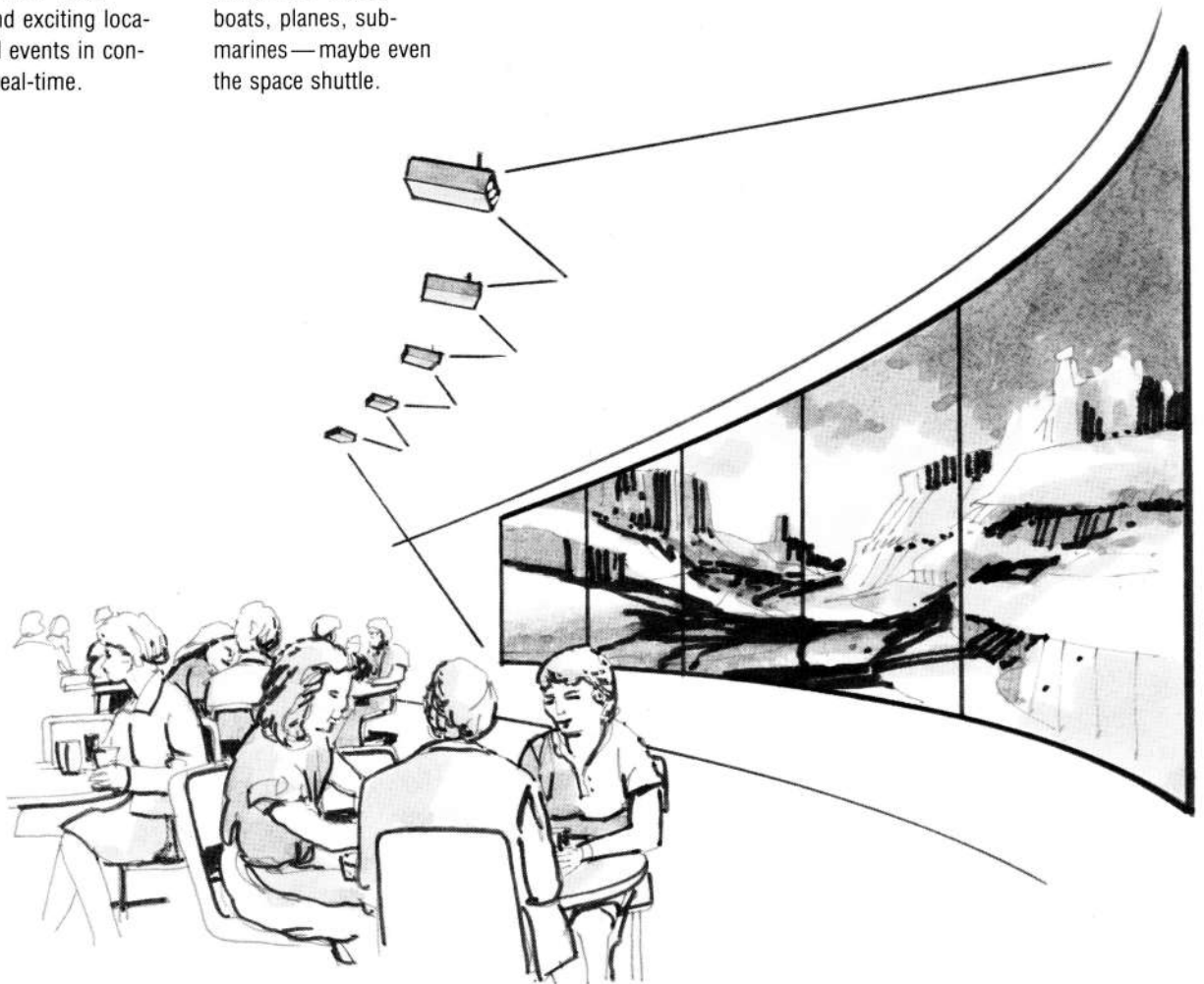
ENVIRONMENTAL VIDEO

Environmental Video is a five-screen panoramic video projection system. Each projected image is a segment of a contiguous panorama. The panoramic image is supplied by five electronically interlocked videodisc players.

Using five electronically interlocked cameras, Environmental Video can capture panoramic vistas of the world's most scenic and exciting locations and events in continuous real-time.

Environmental Video provides a spectacular new potential for the interiors of restaurants, night clubs, discos, pubs, waiting areas — virtually anywhere people gather.

Environmental Video's team of experienced filmmakers and technicians are travelling worldwide to bring back spectacular panoramic vistas from trains, boats, planes, submarines — maybe even the space shuttle.



SHOWSCAN™

Showscan Film Corporation wishes to thank its major suppliers and subcontractors who have contributed to the growth and continued success of Showscan.



Eastman Kodak Company



LIONS GATE SOUND

3-M Photoguard



Entertainment Effects Group



Optical Radiation Corporation



Stewart Filmscreen Corporation®



 **Dolby**

Davy
& Associates
Consulting Acoustical Engineers



quad eight/Westrex



METROCOLOR®

rh RENKUS-HEINZ



the casting company