

## FILM/VIDEO: GENERAL INTEREST FILMS

### Space Station: The Next Logical Step

MSFC 670

1984-color-15 min (VHS - 3/4 - 16 mm)

With the history of the American space program as its introduction, this production stresses the need for a space station as the next logical step in space exploration. It examines the procedures for design and paths to construction of NASA's newest project.

### Turning Dreams Into Reality

MSFC 473

1988-color-16 min (VHS only)

The history of space flight starting with Wernher von Braun's dreams of space flight through the space shuttle, Spacelab and the space station, and the Marshall Space Flight Center's role in it.

### Aeronautics and Space Report

ASR 248 (4 minifilms)

color-14 min (VHS only)

1. Saving Yellowstone
2. Unmasking the Sun
3. Ancient Skills-Modern Use
4. Mission to San Marcos

### Aeronautics and Space Report

MSFC 474 (3 minifilms)

1988-color-14 min (VHS only)

1. Cool Suit
2. Ozone Hole-Better Way to Fly
3. New Insulin Pump

### Aeronautics and Space Report

ASR 475 (3/4 only)

(One tape consisting of 6 minifilms)

1. Cool Suit
2. New Insulin Pump
3. Riblets
4. Voyager Encounters Uranus
5. Medical Imaging
6. From Space to Earth

### Preparation and Packaging of Food for Space Flight

JSC 838

1983-color-18 min (VHS only)

Depicts procedures documenting the preparation and packaging of food for space shuttle missions.

Earth the Movie

MSFC 480

1988-color-6 min (VHS only)

Global cloud dynamics and topography.

Think Zero-G

MSFC 427

1976-color-15 min (16 mm)

Explains several methods used to obtain zero gravity conditions for testing to determine how hardware and procedures will function in space. Included are computer interface simulators which can stimulate actual space flight, the KC135 plane which can achieve a weightlessness environment for a short period of testing, and the Neutral Buoyancy Simulator, at the Marshall Center, which is large enough for detailed mockups and testing of complex maneuvers.

Tracking Man-Made Tornados

MSFC 422

1976-color-10 mins (16 mm)

Airplanes create powerful eddies of air in their wake which can cause casualties and property loss to closely following planes. Using a Laser Doppler System developed at Marshall Space Flight Center, researchers are shown studying vortices at the J.F.K. International Airport in New York.

Flying Machines

HQ 265

1978-color-28 min (VHS - 16 mm)

Emphasizes aviation today and tomorrow. How we got where we are and plans for future research and development. Wind tunnels, power plants, materials, safety, comfort, economy, fuel-saving, speed, convenience, efficiency, noise abatement.

NASA aeronautical research has answered some tough questions and is looking to solve current problems with innovative solutions.

AWARDS: Silver Medal, International Film and TV Festival of New York, 1978 and the Golden Eagle Certificate, Council on International Nontheatrical Event (CINE), 1979.

Halley's Comet View From Pioneer Venus  
AAV 1171  
color-15 min (3/4)

Space Station Assembly  
JSC 880  
Color-12 min (3/4)

Space: A New Place To Work  
JSC 883  
color-15 min (3/4)

(Music is copyrighted and cannot be copied)

Video from space shuttle flights set to upbeat synthesized music is the premise of this production originally shown in the U.S. Pavillion at the Worlds Fair in New Orleans. Creative and fast paced editing depicts scenes of astronauts walking in space, repairing satellites, conducting experiments, and working in the new frontier.

A Man's Reach Should Exceed His Grasp HQ 219  
1972-color-23 min (VHS - 16 mm)

This film represents the story of flight and of man's reach for a new freedom through aviation and the exploration of space. From the Wright Brothers flight at Kitty Hawk to the landing on the Moon and future missions to the planets, the film depicts the fulfillment of the ancient dream of flight. Through the use of multiple images, the creative role of research is emphasized. Voices of scientists and statements by writers, poets, and philosophers document man's search for knowledge. The film is narrated by Burgess Meredith.  
AWARDS: Golden Eagle Certificate, Council on International Nontheatrical Events (CINE), 1972; Certificate of Creative Excellence, U.S. Industrial Film Festival, 1st Prize-International Festival of Aeronautics and Space Films, Paris, 1972; Silver Phoenix, Atlanta International Film Festival, 1972.

New View of Space  
HQ 214

1972-color-28 min (VHS - 16 mm)

A visual dynamic overview of the Space Program, past, present, and future using the underlying theme of photography to tell the story. A visual experience compiled from a selection of over nine million feet of film in the NASA Film Depository.

AWARDS: Gold Camera Award, U.S. Industrial Film Festival, 1973; Blue Ribbon Trophy, 15th Annual American Film Festival, New York,

1973; Silver Cup and Diploma-20th Rassegna International, Rome, 1973; 1st Place-Gold Camera Award, U.S. Industrial Film Festival, 1973; and Golden Eagle Certificate (CINE), 1973.

MSFC The First 25 Years

MSFC 469

1985-color-31 min (VHS - 3/4 - 16 mm)

Depicts Marshall's first 25 years of contributions to the space program.

NASA 25th Anniversary

ASR 233

1987-color-50 min (VHS only)

NASA's 25th Anniversary film depicting past accomplishments and future goals.

Life Into Space (Episode 1)

J-CMP 129

1986-color-28 mins. (VHS only)

In this program, Frederick Durant III, former Director of Aeronautics, National Air and Space Museum, highlights the history of space flight.

Automobile Tire Hydroplaning: What Happens

HQ 162

1967-color-12min (16 mm)

Shows how and why automobile tires lose contact with wet pavement and the relationship between speed, tire wear, and water depth. The dangers of hydroplaning are emphasized. Produced jointly with the Bureau of Public Roads. Recommended for driver education.

America's Wings

HQ 267

1976-color-28 min (VHS - 3/4 - 16 mm)

The airplane did not simply evolve. Everything that happened since Kitty Hawk happened because somebody had an idea. America's Wings looks at some of these ideas and somebodies. They include: Igor Sikorsky, who invented the helicopter; James Osborne, whose small suggestion helped make jet transports flyable; Eastman Jacobs, whose wind tunnel work in the 30's established the shape of airfoils; Adolph Busemann, who thought of the swept-wing; Kelly Johnson, who designed some 40 airplanes; and Richard Whitcomb,

who thought of the supercritical wing, the coke-bottle fuselage, and the winglet.

### Space for Women

HQ 301

1981-color-27 1/2 min (VHS - 16 mm)

Narrator Montalban interviews seven outstanding NASA women about their careers. The stars of this film, Astronaut Anna Lee Fisher, Dr. Patricia Cowings, Shirley Chevalier, Sue Norman, Sharon Orkansky, Brenda Willis, and Astronaut Catherine Sullivan prove that intelligence, excellence, and teamwork are the keys to success at NASA and in life. This film is positive evidence that NASA is creating a work atmosphere which is supportive of both men and women.

AWARDS: Silver Screen Award, U.S. Industrial Film Festival, 1981; Golden Eagle, Council on International Nontheatrical Events (CINE), 1981; Bronze Award, World Aerospace Film Festival, Amsterdam, 1981; Silver Medal, International Film and TV Festival, New York, 1981; Honorable Mention, Columbus International Film Festival, 1981; and Certificate, 12th International Scientific Film Festival, Rio de Janeiro, Brazil.

### Space Navigation

HQ 116

1967-color-21min (VHS - 16 mm)

Explains in nontechnical terms the mathematical principals of charting a course in space for both manned and unmanned spacecraft. Shows navigational techniques to be considered in future flights from the Earth to other planets with emphasis on navigational problems and equipment used in the Apollo Program.

AWARDS: Chris Statuette, Columbus Film Festival, 1967; Certificate of Exhibition, Edinburg International Film Festival, 1968; Golden Eagle Certificate, Council on International Nontheatrical Events (CINE), 1968; Gold Mercury Film Prize, Venice, Italy, 1967; and Certificate, Industry Film Producer's Association, 1967.

### Where Dreams Come True

HQ 296

1979-color-28 min (VHS - 16 mm)

A look at career opportunities in NASA for minorities and women. Says actor Ricardo Montalban in the narration of this film, You don't have to be an astronaut or a scientist to work for NASA. The organization offers jobs ranging all the way

from clerks, secretaries, electricians, safety engineers, and administrators straight through to system analysts, computer programmers, scientists, and, last but not least, astronauts. Excellence, a positive outlook on life and ones' work, and a vivid imagination are some of the key ingredients that NASA looks for in its perspective employees. This film will be a valuable source of information for not only minorities and women but anyone who is interested in knowing what it is like to work for NASA.

#### Earthspace Our Environment

HQ 294

1978-color-15 min (VHS - 16 mm)

NOTE: This film can be copied in its entirety only.

The film examines the discovery and development of understanding Earth's magnetosphere. Included are leading scientists, animated diagrams, key historical events, spectacular shots of aurora, solar flares and Arctic research.

#### Research in the Atmosphere

HQ 180

1969-color-25 min (16 mm)

Traces the methods used by man to explore the upper atmosphere and near Earth environment from ancient times until the present including the use of balloons, sounding rockets, and other devices. Presents a detailed examination of modern studies of ionized helium in the atmosphere, and how the data gained help scientists to construct a scientific model.

#### Making Medicine in Space

J-CMP 188

1986-27 min (VHS)

Dr. Charles Walker, Shuttle Payload Specialist, McDonnell Douglas Corp., tells us how medicine can possibly be made economically in space.

#### Earth's Air

J-CMP 189

1986-27 min (VHS)

Joel Levine, NASA Langley Research Center, talks about the Earth's atmosphere, and how it has changed over geologic time.

#### Human Machine in Space

J-CMP 193

1986-28 min (VHS)

Dr. James Logan, chief of the NASA Johnson Space Center's Medical Operations Branch, discusses how people function during space travel.

Exobiology

J-CMP 194

1986-30 min (VHS)

Dr. Donald de Vincenzi, chief of biological research at NASA Headquarters, discusses problems which humans may face during long space flights.

Space Program Benefits