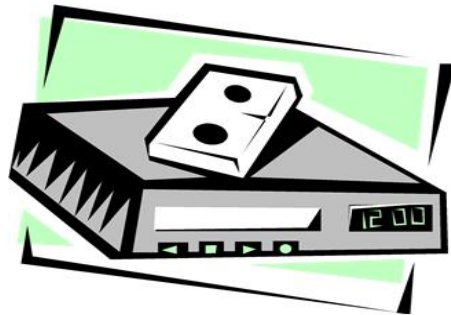




Wisconsin Bureau of Aeronautics



Audio Visual Loan Program Catalog



April, 2011

WISCONSIN DEPARTMENT OF TRANSPORTATION BUREAU OF AERONAUTICS

AUDIOVISUAL LOAN PROGRAM

Welcome to the Wisconsin Department of Transportation's Bureau of Aeronautics audiovisual loan program. Videos are available for loan to the public through this program. We encourage you to use the available items in all of your aviation-related endeavors.

Each of our videos has been sorted into specific categories which are listed in the Table of Contents. The information listed for each video includes: Title, producer, length, production year, video number, and a brief description.

BORROWING PROCEDURE

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Aeromedical Factors

<i>Title & Description</i>	<i>Video #</i>
<u>ALL IT TAKES IS ONCE</u> Federal Aviation Administration 25:00 1985 Even the best of pilots can be distracted in flight by preoccupation with personal problems. Mental distraction is a serious flight hazard. Five psychological problems frequently encountered by general aviation pilots are dramatically presented.	54
<u>BASIC AVIATION PHYSIOLOGY</u> Jeppesen Sanderson 30:00 1990 Describes how the different sensory organs give you input in flight and how to analyze these inputs. Contains sections on spatial disorientation, the effects of altitude on the human body, and the reduction in your performance caused by alcohol or drugs.	5
<u>DISORIENTATION</u> Federal Aviation Administration 19:00 1985 It's important for pilots to be aware of the fallibility of their senses and the importance of using instruments. Alerts pilots to in-flight situations that are potentially disorienting and describes how physiological phenomena can influence and distort flying judgment.	79
<u>FIT TO FLY</u> Medical Airworthiness Series Aero Med 20:00 1986 How to keep your medical certificate, tips on nutrition, exercise and other health habits. What to do if you fail your medical exam.	88

Airports

<i>Title & Description</i>	<i>Video #</i>
<u>AIRPORT ACTION GROUPS</u> Federal Aviation Administration 23:14 1989 Designed to provide the information necessary to present the importance of an airport action group to your community's civic or business organizations. Bringing the community together in support of your airport is the ultimate goal.	49
<u>AIRPORT SELF-INSPECTIONS</u> Federal Aviation Administration 45:00 1988 Provides a checklist of inspection items for airport managers in order to maintain a safe facility. Includes tips on facility maintenance, safety areas, runways, lighting, markings and signs.	51
<u>AIRPORT SIGNS, MARKINGS & PROCEDURES: YOUR GUIDE TO AVOIDING RUNWAY INCURSIONS</u> King Schools 38:00 2000 Airport signs and markings are grouped by what they mean to you and presented in the way you'll actually see and use them. Especially helpful in understanding markings you don't have at your home airport.	185

Title & Description

Video #

AMERICA'S AIRPORTS: UNITING A NATION

55

Aircraft Owners and Pilots Association 15:14 1990+

If you think the three things airports do for your community are drain the budget, create noise and create a safety hazard, this video is for you. What are the benefits of having a community airport? We'll ask again after you view this video.

ASOS/AWOS

61

Aircraft Owners and Pilots Association 12:42 1994

Describes the Automated Weather Observing System (AWOS) and the Automated Surface Observing System (ASOS). Capabilities and limitations of the system are discussed and suggestions for getting the most out of automated observations are presented.

HELIPORTS: GATEWAY TO THE WORLD

2

Helicopter Association Int'l 17:15 1999

Designed to encourage local governments and communities to include helicopters in their transportation planning process and help ensure the availability of suitable helicopter landing facilities in metropolitan areas, this video takes a pro-active stance and merits the success of the Orlando, Florida heliport network.

LOCAL AIRPORTS - ACCESS TO AMERICA

40

Aircraft Owners and Pilots Association 20:00 1998

With today's rapidly expanding need for mobility, general aviation aircraft provide an efficient and safe mode of transportation as well as provide services to the community. These services include agricultural crop spraying, fire fighting, search and rescue, medical transportation, and law enforcement to name a few. Find out why "Local Airports" are your "Access to America".

RISKY BUSINESS

123

Transport Canada 12:27 1986

Aviation, is it a risky business? A number of people in the airline industry respond to that question. Regulations, employee attitudes, customer perceptions, and the roles of the safety officer and CEO are discussed.

RUNWAY INCURSIONS, THE TROUBLE AHEAD

124

Federal Aviation Administration 10:00 1988

A detailed look at runway incursions. Actual accidents are used to dramatize the three types of incursions and the reasons for them.

SNOW & ICE COVERED AIRPORTS

36

Sporty's Pilot Shop 20:00 1996

The pristine beauty of a fresh snowfall or recent ice storm can conceal the challenges awaiting your flight. Richard Collins shares his wisdom and experience for the safe operation of aircraft on and around snow and ice covered airports. You'll learn: how to deal with snow drifts and ice patches; how heavy snow on the ground can affect instrument approaches and much more.

CAUTION: WAKE TURBULENCE

68

Federal Aviation Administration 16:00 1991

Helps familiarize pilots with the phenomenon of wake turbulence when operating in a mixed traffic environment. Both animated and live footage are used to show in-flight testing, actual vortex encounters, and the characteristics of vortices.

Title & Description	Video #
<p><u>WAKE TURBULENCE AVOIDANCE-A PILOT AND AIR TRAFFIC CONTROLLER BRIEFING</u></p> <p>Federal Aviation Administration 26:00 1995</p> <p>Produced to improve pilot and air traffic controller wake turbulence knowledge. Offers supplemental information that may be considered for use in a variety of situations. This video is not intended to replace established practices and procedures.</p>	146
<p><u>IT MAY EVEN SAVE YOUR LIFE</u></p> <p>Federal Aviation Administration 15:00 1990</p> <p>Shows the radar services offered by FAA's air traffic control network and describes the computer-based system used at most busy airports and all en route centers. Safety features such as conflict alert, low altitude warning and back-up systems are shown.</p>	107
<p><u>JUST MOBILITY FLIGHT ACCESS SYSTEM</u></p> <p>Advance Electronics 4:45 Late 1990's</p> <p>Promotional video demonstrating the Just Mobility flight access system. Provides training for how to use the system and information for airport managers looking for a flight access system.</p>	108
<p><u>TLS TRANSPONDER LANDING SYSTEM</u></p> <p>Wisconsin DOT/Bureau of Aeronautics 8:00 1995</p> <p>The State of Wisconsin, City of Watertown, and Advanced Navigation and Positioning Corporation have formed a partnership to install the worlds first civilian use Transponder Landing System. This video explains why this partnership was formed, how the system works, and displays an actual instrument approach at the Watertown airport utilizing TLS.</p>	140
<p><u>AN INTRODUCTION TO THE TRANSPONDER RUNWAY CONTROL SYSTEM</u></p> <p>Galaxy Scientific Corporation 8:45 1996</p> <p>Promotional video for airport managers highlighting the Transponder Runway Control System (TRCS). Discusses the problem of runway incursions and the difference between airport surface detection equipment and the TRCS.</p>	142
<h2 style="margin-top: 20px;"><i>Careers</i></h2>	
<i>Title & Description</i>	<i>Video #</i>
<p><u>AVIONICS: "ARE YOU UP FOR THE CHALLENGE?"</u></p> <p>AEA Educational Foundation 12:00 1998</p> <p>Features an overview of avionics and the many career opportunities available in the field including overhaul, maintenance, design, and management.</p>	38
<p><u>CAREERS IN AVIATION</u></p> <p>Aviation Careers Unlimited 20:00 1999</p> <p>Learn what training is required for these jobs and how you can prepare for these challenging and well paying positions.</p>	67
<p><u>CAREERS IN AVIATION - VIRGINIA</u></p> <p>Virginia Dept. of Aviation 22:00 2000</p> <p>For someone who is looking for a career that offers a tradition of service, growth, and excitement, the world of aviation beckons. Some positions require a considerable amount of training, while others are available at any age and experience level.</p>	184

<i>Title & Description</i>	<i>Video #</i>
<p><u>CLEARED FOR TAKEOFF</u></p> <p>Federal Aviation Administration 5:00 1993</p> <p>Produced for the National Air and Space Museum. Documents a little girl's non-stop flight in an airliner to visit her grandparents in Washington, D.C.. Shows every type of air traffic controller duty involved in getting the plane to its destination.</p>	70
<p><u>INVESTING IN THE FUTURE</u></p> <p>The Future and Flight Career Awareness Project</p>	4
<p><u>LOOKING UP TO YOUR AVIATION CAREER</u></p> <p>Federal Aviation Administration 14:00 1990</p> <p>For every one pilot, there are 1,500 other aviation professionals supporting aviation operations on the ground. There are more than sixty different aviation career specialties in which opportunities are available for those with different aptitudes, skills and educational backgrounds. Shows how careers in aviation present a wide range of opportunity for achievement, challenge, responsibility, and fun.</p>	109
<p><u>NORTHWEST AIRLINES WOMEN SPECIALISTS</u></p> <p>Northwest Airlines 51:00 1989</p> <p>Ann Styx, Manager of Staffing, Northwest Airlines, covers present needs, projections for future employment and ways education programs can help in developing trained applicants.</p>	115
<p><u>PUT WINGS ON YOUR CAREER</u></p> <p>Federal Aviation Administration 15:00 1990</p> <p>A career in aircraft maintenance can be rewarding for young men and women who have a flair for mechanics and precision skills. Outlines the basic technical requirements and points interested people in the right direction for more specific career information.</p>	121
<p><u>THE SKY'S THE LIMIT- YOUR CAREER IN AVIATION</u></p> <p>Iowa Office of Aeronautics & Iowa Aviation Business Association 13:00 1996</p> <p>Discusses how to train for a career in aviation: requirements, where to get training, salary ranges, general knowledge. Features Iowa resources.</p>	128
<p><u>TAKE OFF! CAREERS IN AVIATION</u></p> <p>Fox Valley Technical College (FVTC) 12:00 1996</p> <p>Explores FVTC training opportunities. Their programs include avionics (aviation electronics), Airframe and Powerplant (aviation mechanics), and flight training up to commercial, multi-engine, and instrument certificates.</p>	134
<p><u>TAKE OFF FOR OPPORTUNITIES</u></p> <p>General Aviation Manufacturer's Association 16:00 1981</p> <p>Talks about the benefits of and the career opportunities in general aviation (aerial photography, crop dusting, medical transport, business flying, air transport, A & P mechanics, engineering, and avionics).</p>	58
<p><u>TECHNICAL CAREERS IN AVIATION</u></p> <p>Wisconsin DOT 17:00 1991</p> <p>Discusses alternative careers in aviation from baggage handler to dispatchers. Personal interviews show the vital importance of these careers in interacting with the aviation industry.</p>	137

<i>Title & Description</i>	<i>Video #</i>
<p><u>TO BE A PILOT</u> Transport Canada 24:10 1981 Join Jeff, a student pilot, as he learns that to be a good pilot is not just a matter of skill, but just as importantly, it is a matter of judgment.</p>	141

Children

<i>Title & Description</i>	<i>Video #</i>
<p><u>AGRICULTURE'S AIR FORCE</u> National Agricultural Aviation Association 11:00 1992 Introduces youth to agriculture's air force and the contributions agricultural pilots make to food production. Explore a day in the life of an agricultural pilot, discover the unique features of agricultural aircraft, learn about the history of cropdusting, and diversity of aerial application today.</p>	43
<p><u>THE BASICS OF FLIGHT</u> Aviation Week & Space Technology 20:00 1995 Describes the four forces (lift, drag, thrust, and gravity) that are balanced in level flight and how airplanes and helicopters are used for many purposes. Includes a segment introducing students to the history of flight and airplane technology, and the SR-71 Blackbird, the high flying reconnaissance-turned-research aircraft.</p>	175
<p><u>BIRDS, BATS, AND NAVIGATION</u> Aviation Week & Space Technology 20:00 1995 Describes how birds, bats, and other living things that fly navigate and how their bodies are adapted for flying. Discusses how, during flight, our senses can give us false information.</p>	177
<p><u>A CHILD'S DREAM TO FLY</u> KIDSWORLD Production Co. (ages 3-8) 30:00 1997 When his best friend Jimmy moves to a new town, Zach dreams of building his own airplane so he can pay him a visit. Come along as Zach's grandpa and big sister help make his dream come true.</p>	159
<p><u>CLEARED FOR TAKEOFF</u> Fred Levine Productions 30:00 1994 A family's vacation includes a layover in the busiest airport in the world, O'Hare in Chicago, Illinois. Captain Herb, a real United Airlines pilot, takes kids from the control tower to the maze of baggage handling, from giant jets taking off and landing to a front row seat in the cockpit of an in-flight Boeing 747 jumbo jet.</p>	71
<p><u>CLEARED TO LAND</u> Westmoreland Productions, Inc. 50:00 1994 A professional production that shows children the sights and sounds of one of the nation's airports. See inside cockpits and control towers.</p>	186
<p><u>EXPLORING THE WORLD OF AVIATION WITH AIR BEAR</u> Federal Aviation Administration 15:00 1992 Come along with Air Bear as he gets to see front and behind-the-scenes looks at airport and aircraft.</p>	44

<i>Title & Description</i>	<i>Video #</i>
<p><u>FUNDAMENTAL LESSONS IN GENERAL HELICOPTER TECHNOLOGY (FLIGHT)</u></p> <p>Bell Helicopter 20:00 1990</p> <p>Includes video “The Helicopter” and lesson plans for middle and high school in a three-ring binder. Addresses the history, current, and future uses of the helicopter.</p>	95
<p><u>LET’S GO FLY A HELICOPTER</u></p> <p>Blue Beetle Productions 27:00 1995</p> <p>An exciting field trip to learn about helicopters and the people who build, maintain, and fly them. Learn how helicopters are used in law enforcement, emergencies, and the military.</p>	187
<p><u>THE HUMAN BODY IN FLIGHT</u></p> <p>Aviation Week & Space Technology 20:00 1995</p> <p>Describes the effects of flying at high altitudes, loss of oxygen, gravity, and abiotic factors on the human body – the respiratory, circulatory, and nervous systems.</p>	178
<p><u>THE PULL OF GRAVITY</u></p> <p>Aviation Week & Space Technology 20:00 1995</p> <p>Introduces students to the concept of gravitation and describes how balloons use density differences to overcome</p>	176
<p><u>REACH FOR THE STARS</u></p> <p>Aviation Week & Space Technology 20:00 1996</p> <p>Visit the Columbia University to find out about the billions of stars in the night sky and how they were formed. Dr. Mendell of NASA discusses the body’s reaction to extended space travel mentioning just some of the effects on the bones, cardiovascular system, and muscles.</p>	179
<p><u>TO THE MOON</u></p> <p>Aviation Week & Space Technology 20:00 1996</p> <p>Explains how we came to understand the true movement of planets and sun in our solar system and how 1957 marked the beginning of the Space Age, when the Soviet satellite Sputnik was successfully launched. Astronaut Pete Conrad talks about his experience of lunar gravity as a moonwalker.</p>	180
<p><u>A TRIP THROUGH MILWAUKEE COUNTY’S GENERAL MITCHELL INT’L ARPT</u></p> <p>Milwaukee County 9:03 1997</p> <p>Humorous video geared for younger audiences. Takes the viewer through a tour of Wisconsin’s largest airport to show that for each pilot there are 90 other jobs created at the airport.</p>	143
<p><u>WHERE DO PLANES SLEEP?</u></p> <p>Kids In Motion (ages 2-8) 30:00 1997</p> <p>This combination of animation, live action and music will settle children calmly down as they fly away on a magical adventure with Mike.</p>	157
<p><u>THE WRIGHT BROTHERS AT KITTY HAWK</u></p> <p>Paramount Communications Company 24:00 1988</p> <p>The Peanuts Gang relives the historical Wright Brothers flight at Kitty Hawk. The principles and mechanics of flight are demonstrated by the Peanuts Gang.</p>	206

Educational

Title & Description

Video #

AIRCRAFT FLIGHT LINE SERVICE

46

Aircraft Owners and Pilots Association 23:44 1985

Professional flight line service begins with good training and this video is a great beginning. From giving ground signals to the arriving pilot, to fueling, moving, or towing, all facets of line service are covered.

AVIATION LINE SERVICE TRAINING

62

Phillips Petroleum Co. 8:36 1991

Aircraft service procedures are covered including proper refueling techniques, aircraft handling, and customer service.

AVIATION OIL: WHAT EVERY PILOT NEEDS TO KNOW

169

Aeroshell 45:00 1994

Explains the fundamentals of what oil does inside a piston engine and what steps you can take to increase the life and performance of your aircraft's engine.

BUT... WILL IT FLY?

155

Milwaukee School of Engineering (MSOE) 16:00 1995

Features the 1994-95 Aero Design Team. Students design and construct an ultralight remote control aircraft for international competition, and discuss what worked and why. Features the aero engineering program at MSOE.

CRM: EXPLORING THE HUMAN ELEMENT

8

Jeppesen Sanderson 30:00 1996

Expand your knowledge of CRM (Crew Resource Management) principles by exploring ideas and techniques used in United's training. Contains interviews of C/L/R (Command-Leadership-Resource) instructors who discuss topics as: Captain's Authority, Crew Climate, Communication, and many more.

CHARTING NEW COURSES

69

Jeppesen Sanderson 10:00 1989

Discusses various ways aviation education can motivate students and be integrated into history, art, literature, social studies, geography, etc.

CONTROLLED IMPACT DEMONSTRATION (CID)

73

Federal Aviation Administration 15:00 1984

On December 1, 1984, a remote controlled Boeing 720 took off from Edwards Air Force Base in California. The plane had one mission: to crash onto the desert floor. This video looks at a number of different facets of the test such as anti-misting kerosene, survivability of passengers and the crash worthiness of the airplane.

DREAM FLIGHT - 1992

81

Wausau School District 21:00 1992

The importance of involving young people in the space program is highlighted as the Wausau School District provides students with a NASA shuttle mission experience. For one week, students traveled in a replica space shuttle to the schools in their district to learn and gather information about space exploration and shuttle missions.

<i>Title & Description</i>	<i>Video #</i>
<p><u>FLYING AMERICA'S WATERWAYS</u></p> <p>Seaplane Pilots Association 10:00 2000</p> <p>Seaplane pilots are familiar with the safety, abilities, and limitations of their aircraft, but the majority of the population is not. Topics covered include seaplane safety statistics, environmental impact, noise, and how seaplanes are used to make people's lives better. Particular emphasis is given to how seaplanes interact with communities.</p>	182
<p><u>GUIDELINES FOR INTEGRATING HELICOPTERS INTO EMERGENCY PLANNING</u></p> <p>Federal Aviation Administration 13:00 1991</p> <p>Explore the basic elements of emergency planning for helicopter usage. Provides an introduction to the variety of missions that helicopters can perform as well as common misconceptions about helicopter capabilities.</p>	101
<p><u>SINGLE PILOT IFR</u></p> <p>AOPA Air Safety Foundation 1991</p> <p>During 1991, the AOPA Air Safety Foundation drew up blueprints for serving the future education and training needs of general aviation. Like a flight plan, these blueprints are guiding the foundation on a course to more effective programs and a broadened outreach to pilots. Our goal is simple: Provide general aviation with the very best safety information, specialized training, and accident research possible.</p>	41
<p><u>SUCCESS BY DESIGN...INTEGRATING HELICOPTERS INTO EMERGENCY PLANNING</u></p> <p>Federal Aviation Administration 21:04 1991</p> <p>Learn how to integrate helicopters into emergency planning. Introduces the audience to planning elements and the various missions helicopters can perform, discusses common misconceptions about their capabilities, and provides examples of where they have been successful.</p>	133
<p><u>ROCKETS FOR SCHOOLS</u></p> <p>Sheboygan, Wisconsin Schools 5:30 1997</p> <p>Highlights the Rocket for Schools program in Sheboygan, Wisconsin. Shows the Launching of the Super Loki Rocket and other homemade rockets.</p>	156
<p><u>SATS AT OSHKOSH 99</u></p> <p>NASA 3:45 1999</p> <p>Gives you a look into the future on Small Aircraft Transportation System (SATS).</p>	166
<p><u>SKYDIVING AND PARACHUTE OPERATIONS</u></p> <p>Aviation Safety Program 20:11 1995</p> <p>Designed to help general aviation pilots and airport managers become more familiar with skydiving and parachute operations. Explores pilot safety concerns as well as pilot and skydiver responsibilities when functioning in close proximity at affected airports.</p>	129
<p><u>WISCONSIN AEROSPACE EDUCATION PROGRAMS</u></p> <p>Wisconsin Aviation Conference Session 3:30 May, 1987</p> <p>Details the value of having aviation education programs in schools. The Mosinee School District is used as an example.</p>	151

Entertainment

Title & Description

Video #

2000 AIRVENTURE OSHKOSH

160

Experimental Aircraft Association 60:00 2000

Get ready to view the best of EAA AirVenture: the daily air show, warbirds, vintage aircraft, homebuilts, ultralights, the Golden Age and Reno racers, plus all the other sights and sounds that make AirVenture the aviation event of the year!

AN AIR OF ADVENTURE

56

Experimental Aircraft Association 90:00 1986

The sights and sounds of EAA Oshkosh '86. Watch as Italy's "Frecce Tricolori" thrill you with their majestic beauty. Observe the grace with which the Goodyear Blimp moves across the convention site. Homebuilts, antiques, classics and warbirds -- they are all here for you to enjoy.

Title & Description

Video #

EAA OSHKOSH 1990 - GATEWAY TO AVIATION

83

Experimental Aircraft Association 60:00 1990

If it's possible to experience EAA Oshkosh in just one hour, this is it! It features a special 50th anniversary commemoration of the Battle of Britain. Other visiting aircraft included the F-17A Stealth Fighter, the B-1B, a newly restored B-24 and Lockheed Super Constellation. Relive the memories and the excitement of Oshkosh!

EAA OSHKOSH '94

84

Destination: Oshkosh

Experimental Aircraft Association 60:00 1994

From the return of the British Airways' Concorde to the 24th anniversary celebration of our first steps on the moon, this video has it all: the Great Cross-Country Race, a tribute to the Jolly Rogers, Rare Bear, a salute to Apollo an attempt to break the time-to-climb world record, and much more.

AVIATION ODYSSEY- OSHKOSH '96

63

Experimental Aircraft Association 60:00 1996

Video shows exciting scenes from the 1996 EAA Fly-in and Convention. Features homebuilts, aerobatics, innovative styles, Warbirds, and military aircraft. Includes scenes inside the cockpit and interviews with pilots and designers.

EAA'S ULTIMATE FLIGHTS

144

Experimental Aircraft Association 50:00 1996

Features sport aviation from wing walking to water skiing and everything in between. A portion of the video focuses on the P-51 Mustang's history and why it is popular with sport aviators. Includes interviews with pilots, performers, and designers. Most scenes filmed at EAA.

EXPERIENCE THE SPIRIT OF FLIGHT

87

Experimental Aircraft Association 29:00 1990

Experience the spirit of flight during this exclusive tour of the EAA Air Adventure Museum in Oshkosh, Wisconsin. This video will take you inside the Air Adventure Museum for an up-close look at the airplanes and exhibits that make up one of the finest aviation museums in the world.

<i>Title & Description</i>	<i>Video #</i>
<p><u>RUNNING ON EMPTY</u> Masters of Soaring Competition Jeppesen Sanderson 25:00 1987 This exciting soaring video may be the best ever, with 21 national and world champion sailplane pilots from 9 countries competing over 6 days.</p>	6

Historical

<i>Title & Description</i>	<i>Video #</i>
<p><u>DREAMS OF FLIGHT - IN THE BEGINNING...</u> International Video Network 25:00 1995 Travel back through time to the very first days of flight and experience the exhilaration of floating up in the Montgolfiers' hot-air balloon and leaping off a mountaintop aboard an early Lilienthal glider. Lift off with the Wright brothers as they become the first to fly under their own power and control. Join in the fascinating journey above earth alongside the pioneers who proved once and for all that man was meant to fly.</p>	12
<p><u>THE HELICOPTER</u> American Helicopter Society/Helicopter Association International 21:00 1989 Cliff Robertson takes you on a 50-year tour of helicopters, how they fly and are put to work. This introduction to rotorcraft closes with a glimpse to the future.</p>	103
<p><u>IN CELEBRATION OF FLIGHT</u> Federal Aviation Administration 28:00 1990 The story of the men and women who found adventure in flight, and contributed their special knowledge, skills, dedication and vision to bring the benefits of aviation to all.</p>	105
<p><u>THE SKY IS YOURS</u> Champion Spark Plug Company 17:00 1988 The story of the general aviation industry. Tells about aircraft manufacturers and the various models of each. Some details on aircraft equipment and pilot training are given as well.</p>	127
<p><u>HISTORY'S MOST EXTREME AIRPORTS</u> History Channel 94:00 2008 Discusses the particular problems of the world's most extreme airports and examines the engineering behind them, from centuries-old territorial battles that have led to unsafe layouts, to geographical challenges like wind currents and natural obstacles that make these places unfit for travel.</p>	209

Informative

<i>Title & Description</i>	<i>Video #</i>
<u>AIRSPACE RECLASSIFICATION</u> Federal Aviation Administration 14:30 1992 An introduction to the airspace reclassification. Reviews important features of the airspace system, and explains the six alphabetical classes.	52
<u>ECONOMIC IMPACT OF AVIATION IN WISCONSIN</u> Wisconsin DOT/Bureau of Aeronautics 15:00 1999 Aviation in Wisconsin provides many “quality of life” services such as medical, law enforcement, agricultural, environmental management, recreation, pilot training, and aviation education in addition to commercial air service and general aviation facilities.	86
<u>FLIGHT 52</u> Federal Aviation Administration 14:00 1980+ The application of computer technology to air traffic control allows controllers to spend more time making vital flight decisions. Flight 52 explains the basics of a semi-automated air traffic control environment.	89
<u>GENERAL AVIATION IS AMERICA'S AIRLINE</u> Aircraft Owners and Pilots Association 15:00 1990 Because the airlines serve less than 500 of the nation's 16,000 airports, the general aviation fleet of 245,000 aircraft is a valuable segment of the air transport network. Other segments of general aviation are observed as well.	98
<u>GENERAL AVIATION - FACT OR FICTION</u> Federal Aviation Administration 14:00 1990+ General aviation operations account for the largest segment of American air commerce. This video describes general aviation's significant contributions to the American economy and its role as a mode of travel serving a multitude of purposes.	97
<u>GENERAL AVIATION...A NATIONAL RESOURCE</u> General Aviation Manufacturers Assoc. 15:00 1990+ Explains the important role general aviation plays in air transportation. Whether for pleasure, or business, general aviation aircraft transport more people, fly more miles, and has access to more airports around the world than any other form of air transportation.	96
<u>LEARNING TO FLY</u> Sporty's Pilot Shop 60:00 1999 Discover the fun of flying on weekend trips or family vacations. See how flying can benefit your business or even lead to a career as a professional pilot. Features exciting in-flight footage of single- and multi-engine personal aircraft, Learjets, airliners, F-16's and more. Answers questions about how and where to get started, how little it costs, how quickly and easily a pilot's certificate can be obtained, and how safe flying really is.	33
<u>THE VITAL ROLE OF AMERICA'S REGIONAL AIRLINES</u> Regional Airlines Association 8:30 1992 Regional airlines play an important role in the transportation industry. This covers their increasing value to their local service areas.	145

<i>Title & Description</i>	<i>Video #</i>
<p><u>YOUR TURN FOR TAKEOFF</u> National Business Aircraft Association 14:30 1986 A great video for introducing the concept of corporate aviation.</p>	154

Instructional

<i>Title & Description</i>	<i>Video #</i>
<p><u>DRIVERS TRAINING</u> Version 3, 2004 Federal Aviation Administration Instructional video for vehicle operators and taxi qualified mechanics.</p>	208
<p><u>FAA TAXI 101</u> September 2002 Federal Aviation Administration Created to assist in the training of mechanics and all non-pilot personnel responsible for taxiing aircraft on the airport surface. The safety guide steps the airport personnel through the procedures, phraseology, and airport signs and markings encountered from pre-taxi tasks through engine shutdown. The FAA has distributed a CD version of Taxi 101 to aircraft maintenance schools and major airlines.</p>	207
<p><u>FLYING NEIGHBORLY</u> Helicopter Association International 28:00 1999 Illustrates the basics of the Fly Neighborly program and examines the noise impact of blade effect, high speed forward flight, departures, routes and airspeed, approach and landing maneuvers, and en-route procedures.</p>	1
<p><u>HAND-PROPPING</u> Wisconsin DOT 3:45 1974 The hazards of starting an aircraft by the hand-propping method are caught on video. The owner of a Cessna finds out the hard way.</p>	102
<p><u>MID-AIR COLLISION PROBLEM</u> Federal Aviation Administration 17:00 1984 Goes into detail on where and when mid-air collisions happen, how they can be avoided, and NTSB recommendations.</p>	203
<p><u>MOUNTAIN FLYING</u> Federal Aviation Administration 23:00 1990 Flying around and over rugged peaks, expert pilots demonstrate that mountain flying presents very special challenges. Fast changing weather and unpredictable air currents are among the hazards that can be countered by sharp pilot skills, knowing the aircraft's capabilities and being familiar with the peculiarities of local terrain and weather.</p>	114
<p><u>MOUNTAIN FLYING</u> Sporty's Pilot Shop 30:00 1996 For most pilots, the challenges of operating near mountainous terrain are unfamiliar at best, and without proper instruction, can be potentially risky. This program provides pointers for flying safely in mountainous terrain and examines additional factors such as route planning, canyons density altitude, wind, up and downdrafts, mountain weather plus much more.</p>	37

<i>Title & Description</i>	<i>Video #</i>
<p><u>OVERWATER FLYING</u></p> <p>Federal Aviation Administration 25:00 1983</p> <p>Aimed at pilots planning to fly over water in light aircraft, this video covers emergency survival gear, optical illusions over water, minimal navigation and radio equipment, proper ditching procedures and water survival techniques. Experienced over-water pilots explain the hazards and necessary precautions.</p>	116
<p><u>PRE-FLIGHT INSPECTION</u></p> <p>Federal Aviation Administration 13:00 1984</p> <p>Takes you through a thorough check of the aircraft; gives a list of all paperwork needed; and questions to ask yourself, as the pilot, to see if you are physically and mentally prepared for the flight.</p>	204
<p><u>STALLING FOR SAFETY</u></p> <p>Federal Aviation Administration 18:00 1985</p> <p>Reviews aerodynamic principles to help alert pilots to the conditions that can trigger stalls and spins. Shows how stalls occur, demonstrates the warning signs of an approaching stall and reviews recovery actions.</p>	130
<p><u>STALL/SPIN - CLASSIC FACTS AND MYTHS</u></p> <p>Aircraft Owners and Pilots Association 22:00 1982</p> <p>What causes a stall? Why do stalls always precede spins? What to do if your plane stalls or spins, and how to recognize the signs? How to use sight, hearing and feel, as well as instrument indications to avoid stalls and spins?</p>	131
<p><u>TAMING STALLS & SPINS</u></p> <p>King Schools 58:00 1999</p> <p>Understanding the nature of stalls and spins before you get in the cockpit makes it easier to recognize when you need to take action in actual flight.</p>	162
<p><u>VFR CROSS-COUNTRY FLYING</u></p> <p>King Schools 119:00 1999</p> <p>From checking the weather ahead, to selecting and using your Sectionals, to identifying landmarks and checkpoints along the way, this video gives you the ultimate checklist for efficient and effective cockpit management. For seasoned and new pilots alike.</p>	161
<p><u>VFR TIPS FOR ALL PILOTS</u></p> <p>Duane Cole 80:00 2000</p> <p>Presents information on VFR flight without instruments or radios, chart interpretation, cross-country flying over mountain ranges, deserts, forested wilderness and farmlands, forced landings, weather, and life-saving lessons.</p>	191
<p><u>VISUALIZED FLIGHT MANEUVERS VIDEO SERIES XI</u></p> <p>Video Training Aids, Inc. 48:00 1985</p> <p>Discusses various types of stalls: elementary, takeoff and departure, and approach to landing.</p>	183

Navigational Aids, Take Offs & Landings

<i>Title & Description</i>	<i>Video #</i>
<u>AUTOPILOTS</u>	197
Sporty's Pilot Shop 29:00 2000 Proper use of the autopilot not only provides an extra margin of safety in instrument conditions, it can actually improve your flying skills. Examine the finer points of flying with a variety of autopilots and learn basic operating tips for smooth, safe operation.	
<u>APPROACH CHARTS</u>	188
Jeppesen Sanderson, Inc. 40:00 1997 Although many types of approaches exist, most incorporate common procedures and chart symbology. Helps you decipher the exact meaning of each symbol as well as the miscellaneous data portrayed on approach charts.	
<u>CLIMB & CRUISE</u>	27
Sporty's Pilot Shop 23:00 1994 This video starts at 1000' AGL after takeoff and continues through the entire en route phase of flight. Covering both VFR and IFR flying, the techniques in this video will help you manage the en route chores that keep you ahead of the airplane.	
<u>DEPARTING</u>	22
Sporty's Pilot Shop 21:00 1994 Learn the many factors contributing to a successful departure (and how to manage each), why rotation speed in your airplane's POH is best used as a general guideline and much more!	
<u>DEPARTURES AND ARRIVALS</u>	189
Jeppesen Sanderson, Inc. 40:00 2000 Presents the unique characteristics of departure procedures and standard terminal arrival routes. Provides a thorough understanding of how they are portrayed on instrument charts.	
<u>DESCENT & LANDING</u>	32
Sporty's Pilot Shop 25:00 1994 Examines both VFR and IFR arrival procedures and provides hints to help make this critical phase of flight go smoothly. Discover how to fly every approach like an ILS and receive tips on how to be ready for that rare missed approach in IMC.	
<u>ENROUTE CHARTS</u>	190
Jeppesen Sanderson, Inc. 40:00 1997 Since so much information is available for navigation during this phase of flying, you must be able to quickly and efficiently interpret every item shown on enroute charts. This video will increase your knowledge as well as usefulness of these charts by thoroughly explaining all enroute data.	
<u>FROM DUSK TO DAWN</u>	7
Practical Knowledge of Night Flying Jeppesen Sanderson 30:00 1991 Take a look at several aspects of night operations from preflight to landing. Contains many tips which should make your flying between dusk and dawn more enjoyable.	

<i>Title & Description</i>	<i>Video #</i>
<u>GPS APPROACHES</u>	
Sporty's Pilot Shop 13:00 1997	31
Ride along as we guide you step-by-step through the complexities of the GPS approach. See what the system can and cannot do and find out what to practice before attempting the real thing.	
<u>GPS/LORAN NAVIGATION</u>	
Jeppesen 30:00	42
In recent years, pilots have seen a dramatic change in airborne navigation. Much of this has been brought about by the introduction of GPS and LORAN. This FlighTime video takes a look at each of these systems and discusses their benefits over conventional navigational equipment. In addition, there is an in-depth look at the operating principles, as well as, the limitations of each system. Practical tips for using GPS or LORAN are also discussed.	
<u>GPS: NEXT GENERATION NAVIGATION</u>	
Jeppesen 45:00 1995	99
Explore the wide ranging application of GPS in both the VFR and IFR environments. Be introduced to the unique characteristics of GPS charts and the procedures for flying phase II, III, and Stand Alone GPS approaches.	
<u>ILS APPROACHES</u>	
Sporty's Pilot Shop 31:00 1999	30
Richard Collins points out factors that affect ILS approaches such as headwinds, tailwinds, visibility, on-board equipment, flying technique and more. Provides valuable tips on executing flawless ILS approaches every time.	
<u>IFR FLYING TIPS & TECHNIQUES</u>	
Aviation Media, Inc. 90:00 1993	193
Rod Machado covers a wide variety of practical information for safe IFR flying, from improving your instrument scan, to determining visibility at minimums.	
<u>IFR WITH CONFIDENCE</u>	
King Schools 114:00 1999	164
Learn how to deal with the most difficult IFR conditions and how to avoid the pitfalls for the unsuspecting pilot. Includes helpful hints every pilot can use for that tricky transition back to visual flight references.	
<u>IFR STRATEGIES</u>	
Sporty's Pilot Shop 27:00 1999	26
Richard Collins illustrates how to develop your own IFR strategies and tactics in order to navigate through the changes in weather and the maze of ATC commands during departures, direct legs, airways, transitions and approaches.	
<u>SINGLE PILOT IFR</u>	
Aircraft Owners and Pilots Association 30:00 1991	168
Addresses cockpit management techniques a single pilot flying IFR can use to cope more effectively, while lowering stress and workload.	
<u>LORAN: A QUICK REFRESHER COURSE</u>	
Federal Aviation Administration 23:00 1988	110
LORAN has matured into an effective, low-cost general aviation navigation tool. Want to know the entire LORAN story? This is it.	

<i>Title & Description</i>	<i>Video #</i>
<p><u>LORAN-C TRAINING</u> Wisconsin Department of Transportation 107:00 1989 Loran-C operating principles are discussed and put into use.</p>	111
<p><u>R-50 LORAN : “THE MOVIE”</u> ARNAV Systems, Inc. 13:00 1991 A brief overview of features incorporated in the ARNAV Systems, Inc. R-50 Loran.</p>	122
<p><u>LOST & CROSSED</u> AOPA Air Safety Foundation 33:00 1999 Explores the pitfalls of too much reliance on GPS and offers sensible tips to help maintain (and re-establish) situational awareness without it.</p>	158
<p><u>NIGHT FLYING</u> Sporty’s Pilot Shop 27:00 1995 Nighttime is a rewarding (yet demanding) time to fly, and the record has shown that risk increases dramatically after the sun goes down. This is not because the engine fails, but more likely because the pilot fails to adequately compensate for darkness. Explore the proper techniques of night flying and how to manage the risks, both VFR and IFR.</p>	23
<p><u>NON-PRECISION APPROACHES</u> Sporty’s Pilot Shop 27:00 1999 Managing the risks on non-precision approaches is, for the most part, simply a matter of planning ahead and being aware of any special requirements on the approach. Richard Collins discusses the subtle nuances of non-precision approaches that can be easily missed if the charts are not interpreted correctly.</p>	25
<p><u>RUNWAY SAFETY COLLECTION</u> Federal Aviation Administration 2004 DVD provided by the FAA Runway Safety Office. Contains a collection of Runway Safety Videos exploring the risk to runway incursions and provides prevention strategies while operating in the terminal airspace in addition to on the surface of airports.</p>	210
<p><u>SOME THOUGHTS ON TAKEOFFS AND LANDINGS</u> Federal Aviation Administration 20:00 1987 Addresses some of the problems encountered during landing and takeoff. Specific areas include proper planning, use of control and power, flap usage, wind effects, flap and gear retractions, airspeed and glide-path control, roundout and touchdown, go-around procedures, braking effectiveness, and wheel-barrowing and ballooning on landings.</p>	135
<p><u>“WAS THAT FOR US?”</u> Federal Aviation Administration 31:00 August 2010 Focuses on runway safety best practices for commercial operations at towered and non-towered airports.</p>	211

Pilots

Title & Description

Video #

AIR TRAFFIC CONTROL “OPERATION RAINCHECK”

192

Sporty’s Pilot Shop Tape 1 – 59:00 Tape 2 – 66:00 1994

Discover the world of controllers: how they’re hired and trained, the equipment with which they work and the procedures they follow. See how a pilot can use the system more effectively to make your flights more efficient and pleasant. An excellent training tool for pilots who want to increase their proficiency at working within the ATC system. **When ordering these videos, please specify Tape 1, Tape 2, or both.**

AIRCRAFT SURFACE MOVEMENT

48

Federal Aviation Administration 25:15 1993

For safe and efficient movement on the ground, pilots need to know the meaning of airport markings, lighting systems, signs, airport diagrams and radio communications and phraseology. All these areas are covered in detail.

BASIC RADIO PROCEDURES

66

Federal Aviation Administration 30:00 1980

General radio communication procedures are demonstrated by using three pilots demonstrating good radio calls, common mistakes, and glaring procedural errors. A good background understanding for why and what radio calls should be made.

COLLISION AVOIDANCE

9

Aircraft Owners and Pilots Association 42:00 2000

Learn how to avoid a midair collision by knowing the limitations of the human eye, understanding collision avoidance methods, and effective scanning techniques as you explore the factors and situations that lead to midair collisions.

CONTROLLED FLIGHT INTO TERRAIN

72

Flight Safety Foundation 33:00 1995

Controlled flight into terrain, or CFIT, occurs when an aircraft flies into terrain or water with no prior awareness on the part of the crew of their impending disaster. It has become the number one threat to the safety of passengers and crew aboard today’s corporate, regional, and large transport carriers. This video analyzes 3 actual CFIT cases, and offers techniques for pilots to help reduce their CFIT risk.

COPING WITH THE UNEXPECTED

74

Airmanship, Inc. 54:00 1985

Tony Kelly from Flight Concepts, guides us through the mental process for coping with unexpected emergencies. Emphasis is placed on thorough knowledge of emergency procedures and systems of the aircraft.

DEFENSIVE FLYING

76

Rod Machado 105:00 1990

Watch with over 300 pilots in this live, entertaining and educational video presentation, as Rod Machado discusses how pilots can learn to fly defensively. While laughing along with the audience, this presentation will help you take a new look at flying safely.

DISPENSER OVERVIEW/TRAINING

80

Cornerstone Fuels 9:57 Mid 1990’s

Describes the Cornerstone Fuels self serve fuel dispenser and includes training on the proper procedures for self fueling.

<i>Title & Description</i>	<i>Video #</i>
<p><u>EMERGENCIES</u></p> <p>Sporty's Pilot Shop 23:00 1995</p> <p>Addresses the best possible strategies to deal with an in-flight emergency - vacuum and electrical problems, engine failures, smoke in the cockpit and more. Learn what the emergency checklists don't tell you, how to be prepared for surprises, and what to do to prevent an emergency.</p>	29
<p><u>EMERGENCIES – VOLUME I</u></p> <p>King Schools 64:00 1999</p> <p>Prepares you to deal quickly and decisively with the most feared emergencies – engine failure, fires, stalls and spins, and getting lost – and emergency procedures common to all.</p>	163
<p><u>FLIGHT REVIEW</u></p> <p>Sporty's Pilot Shop 24:00 1995</p> <p>The FARs state that a pilot must complete a flight review at least every two years, and that it must consist of an hour of ground and an hour of flight instruction. This video examines flight reviews and looks at ways to make them more valuable.</p>	13
<p><u>FUEL MANAGEMENT</u></p> <p>Aircraft Owners and Pilots Association 25:00 1980+</p> <p>Addresses fuel management from the simplest system to the most complex and provides information that can be used to the pilot's advantage before, during, and after flight.</p>	93
<p><u>FUEL SMARTS</u></p> <p>Federal Aviation Administration 12:00 1990</p> <p>Discusses water contamination in fuel; misfueling; using auto fuel; and proper fuel management including pre-flight check, fuel consumption, and system knowledge.</p>	94
<p><u>INSTRUMENT PROFICIENCY CHECK</u></p> <p>Sporty's Pilot Shop 27:00 2000</p> <p>Richard Collins provides a great review of basic currency rules, fuel, alternate minimums, etc., discusses many common pitfalls of IFR flight, and demonstrates how to avoid them by getting the IPC you deserve. Includes a critique of your current knowledge and skills and leaves you confident in your ability to handle the aircraft in IMC.</p>	35
<p><u>MAKING YOUR OWN RULES</u></p> <p>King Schools 69:00 2000</p> <p>Helps you develop your own personal minimums checklist covering topics such as the pilot, the aircraft, the environment, and external pressures.</p>	165
<p><u>PEACE KEEPERS AND PRIVATE PILOTS</u></p> <p>Minnesota DOT 22:00 Mid 1990's</p> <p>Highlights the use of Military Operations Areas (MOA's) by the Minnesota Air National Guard, and the Army Reserves. Types of aircraft are discussed along with actions the general aviation pilots should think of when planning and executing a flight through a MOA.</p>	117

<i>Title & Description</i>	<i>Video #</i>
<p><u>PERSONAL MINIMUMS</u></p> <p>Sporty's Pilot Shop 30:00 1998</p> <p>Not every pilot is comfortable flying VFR with only a mile visibility or shooting an ILS to 200 feet. Although the regulations certainly allow these types of operations, the most important standards to adhere to are the ones YOU set. Richard Collins explores and discusses how to develop your own set of rules to make every flight safer and more enjoyable.</p>	16
<p><u>PILOTS' SURFACE SAFETY TRAINING</u></p> <p>Federal Aviation Administration 30:00 February 2009</p> <p>Highlights safe surface operations and proper communications procedures for both general aviation and commercial pilots.</p>	212
<p><u>PILOT DECISION-MAKING</u></p> <p>Federal Aviation Administration 10:00 1987</p> <p>Addresses both the internal and external stresses affecting good pilot judgment and the "decision-making chain". Pilot physiological profiles are discussed tagging those profiles to certain pilot actions.</p>	118
<p><u>THE PILOT'S PERSPECTIVE</u></p> <p>Iowa DOT 9:54 1987</p> <p>A brief look at flight from the pilot's vantage point. A complete flight is viewed, including taxi, takeoff, landing, and a night flight. Explanation of VFR and flying by instruments.</p>	119
<p><u>PREFLIGHT TIPS</u></p> <p>Sporty's Pilot Shop 24:00 1994</p> <p>Flying is more challenging than most pilots' preflight inspections would indicate. The point is not to complete a checklist, but to thoroughly examine the three main areas of concern before each flight - the pilot, the plane, and the plan for the flight. Along the way, you'll pick up valuable tips, such as how to plan for an inaccurate winds aloft forecast.</p>	20
<p><i>Title & Description</i></p>	<i>Video #</i>
<p><u>START UP</u></p> <p>Federal Aviation Administration 17:00 1987</p> <p>Reminds pilots what to look for, what to check out, and what to do before they start their planes in the spring after a long winter layoff.</p>	132
<p><u>THE SUCCESSFUL CROSS COUNTRY</u></p> <p>Federal Aviation Administration September 2007</p> <p>Based on The Successful Cross Country Seminar, focuses on sharpening skills in situational awareness and expanding knowledge of Airport/Facility Directory and airport diagrams. Designed to take the stress out of using all types of airports and facilities on a cross-country flight.</p>	213

Planes

Title & Description

Video #

AIRCRAFT PNEUMATIC SYSTEMS

47

Airborne Air and Fuel Products

28:15 1990

A review of the development of pneumatic systems in aircraft. From the original air flow system utilizing venturies to wet pump systems and finally to the current dry pump systems.

DE-ICING SYSTEMS - CARE AND MAINTENANCE

77

B. F. Goodrich 17:30 1989

Enhances knowledge of the maintenance/inspection required for maximum performance from de-icing systems.

DENSITY ALTITUDE

78

Federal Aviation Administration 29:00 1990

A young couple on a vacation flight learns the hard way about the effects of high altitude and temperature on light aircraft.

DISCOVER GLIDERS!

181

Niche Aviation Videos 25:00 1997

This video is your window to the extraordinary world of motorless flight and puts you in the pilot's seat for a Discovery Flight. Learn about the challenges and rewards of being a glider pilot.

FLYING FLOATS

90

Federal Aviation Administration 19:00 1980

Float planes combine the beauty of flying and the fun of boating, but they require skillful handling.

HIGH PERFORMANCE SINGLE ENGINE

24

Sporty's Pilot Shop 27:00 1995

Learn how to handle the additional duties and distractions that come with a complex aircraft. Master the techniques and procedures which will help ensure safety when flying in high performance, single-engine aircraft.

MULTI-ENGINE

18

Sporty's Pilot Shop 29:00 1996

Looks at ways to manage the risks inherent to flying a twin. A big part of it is in understanding what the airplane will and will not do after the failure of one engine. It's all here, whether you currently operate a multi-engine airplane, are just getting your multi-engine rating or just want to know more about what's involved in flying a light twin.

THE PITOT-STATIC TRAINING

120

Federal Aviation Administration 25:00 1990

Pitot-static system and component testing are covered in detail. Explores three main areas: principles of the pitot-static system, using the Barfield test set, and techniques for instrument testing.

TURBOCHARGERS & FLIGHT LEVEL FLYING

17

Sporty's Pilot Shop 33:00 1995

Additional power means altitudes of FL-180 and above are suddenly available. Examines the mechanics of the turbocharger system as well as the engine management considerations that follow. Also covers basic operating tips, weather factors, high altitude flight planning and much more.

Weather

Title & Description

Video #

AVIATION WEATHER – AN INTRODUCTION

196

Sporty's Pilot Shop 53:00 1993

In spite of obtaining an accurate briefing from Flight Service or via computer, forecasts can and do go sour, occasionally. Only the weather wise pilot can stay ahead of conditions that are rapidly changing for the worse.

THE DAY ALL HELL BROKE LOOSE

75

Federal Aviation Administration

National Center for Atmospheric Research 20:00 1989

Join five United Airlines flight crews as they approach Denver's Stapleton Airport. An operational test of MIT/Lincoln Laboratory's research project on microbursts and the results proved invaluable to the approaching flight crews. Time lapse footage of the microburst will allow you to see what the flights encountered.

FALL WEATHER FLYING

173

Sporty's Pilot Shop Tape 1 – 50:00 Tape 2 – 45:00 1992

These videos fly you through seasonal (fall) weather variations, exploring in depth actual flights and their relationship to reported weather, the weather synopsis, and what was actually experienced. **When ordering these videos, please specify Tape 1, Tape 2, or both.**

FLYING THE WEATHER

92

Weather to Fly for Safety

Airmanship, Inc. 33:00 1985

Weather considerations while planning a cross country flight, weather interpretation en route and using weather to your advantage.

FRONTAL WEATHER

34

Sporty's Pilot Shop 28:00 1996

Examines the practical aspects of safely operating in and around frontal weather. Focuses on the real-world characteristics of fronts to provide a complete understanding of the conditions likely to be encountered. Greatly expands on the fundamental weather information you received when first obtaining your pilot certificate.

GO/NO-GO WEATHER DECISIONS

167

Aircraft Owners and Pilots Association 39:00 1990

Gives the pilot the ability to visualize the weather along the route and enhances decision-making skills with special emphasis on pilot judgment.

ICING

19

Sporty's Pilot Shop 27:00 1998

Explains weather phenomena likely to produce ice and how to avoid those areas through careful preflight planning and by correctly interpreting icing forecasts and reports. Examines the "go/no go" decision, the use of anti- and de-icing equipment or (if all else fails) how to deal with a plane-load of ice.

ICING AHEAD

202

Airmanship Inc 41:00 1985

Deals with weather patterns associated with deadly icing and the prescribed flying techniques required.

<i>Title & Description</i>	<i>Video #</i>
<p><u>ICING FOR REGIONAL AND CORPORATE PILOTS</u></p> <p>NASA Glenn Research Center 38:00 1998</p> <p>The purpose of this video is to: review fundamentals of aircraft icing; assess hazardous icing conditions; understand effects of icing on aircraft stability and control; and Exit icing encounters.</p>	39
<p><u>LOWS</u></p> <p>Sporty's Pilot Shop 23:00 1997</p> <p>Richard Collins covers all elements associated with lows, including snow, freezing rain, sleet and thundershowers. Hurricanes, thunderstorms, heavy precipitation, reduced visibility and low ceilings are all weather conditions common to lows, and we need to know how to deal with them.</p>	21
<p><u>INTRODUCTION TO METAR/TAF</u></p> <p>Aircraft Owners & Pilot Association/Federal Aviation Administration 13:00 1995</p> <p>Introduces pilots to the new aviation weather formats. The new terminal forecast (TAF) and surface observation (METAR) formats codes are discussed in detail.</p>	106
<p><u>SPRING WEATHER FLYING</u></p> <p>Sporty's Pilot Shop Tape 1 – 48:00 Tape 2 – 45:00 1993</p> <p>These videos fly you through the weather (springtime storms when tornado watches are out, fog, etc.), exploring in depth actual flights and their relationship to reported weather, the weather synopsis, and what was actually experienced. When ordering these videos, please specify Tape 1, Tape 2, or both.</p>	171
<p><u>SUMMER WEATHER FLYING</u></p> <p>Sporty's Pilot Shop Tape 1 – 60:00 Tape 2 – 56:00 1993</p> <p>These videos fly you through seasonal (summer) weather (thunderstorms, fronts, etc.), exploring in depth actual flights and their relationship to reported weather, the weather synopsis, and what was actually experienced. When ordering these videos, please specify Tape 1, Tape 2, or both.</p>	172
<p><u>TAILPLANE ICING</u></p> <p>NASA 25:00 2000</p> <p>An in-depth look at tail icing. Presents a physical description of the problem along with warning signs and suggested recovery procedures.</p>	170
<p><u>TEN KNOTS FOR MOM AND THE KIDS</u></p> <p>National Center for Atmospheric Research 12:00 1995</p> <p>Discusses the inherent dangers of windshear, causes of windshear, avoidance strategies, and the Low Level Windshear Alert System (LLWAS). The use of Terminal Doppler Weather Radar for identification of cell location, intensity, and movement are also covered.</p>	138
<p><u>THUNDERSTORMS</u></p> <p>Sporty's Pilot Shop 24:00 1995</p> <p>Thunderstorms and their associated weather present a unique challenge to flight. Richard Collins takes you on several flights to demonstrate convective weather and to investigate available aids and weather advisories.</p>	28
<p><u>TURBULENCE</u></p> <p>Sporty's Pilot Shop 32:00 1997</p> <p>Richard Collins explains the conditions and weather phenomena likely to produce turbulence and how to "read" clouds for clues. Covers the effects of turbulence on aircraft structural limits, maneuvering speed, proper pilot technique during turbulence and much more.</p>	14

<i>Title & Description</i>	<i>Video #</i>
<p><u>WEATHER TO FLY FOR SAFETY; PART 1, WEATHER PHENOMENON</u></p> <p>Airmanship Inc. 52:00 1985</p> <p>Part of a series discussing aviation weather data and safety. Offers an in-depth look at basic meteorology and the causes of weather.</p>	200
<p><u>WEATHER TO FLY FOR SAFETY; PART 3, WEATHER WATCH</u></p> <p>Airmanship Inc. 68:00 1985</p> <p>Part of a series discussing aviation weather data and safety. Discusses the formation of thunderstorms and other severe weather and prescribed flying techniques.</p>	201
<p><u>WEATHER TO FLY FOR SAFETY; PART 4, ICING AHEAD</u></p> <p>Airmanship Inc. 41:00 1985</p> <p>Part of a series discussing aviation weather data and safety. Discusses weather patterns associated with deadly icing and prescribed flying techniques.</p>	202
<p><u>WEATHER DECISION MAKING</u></p> <p>Aircraft Owners & Pilots Association 55:00 1999</p> <p>Discusses the importance of IFR proficiency and working within the ATC system to safely deal with thunderstorms and other challenging weather. Addresses the limitations of ATC radar and how to get the most useful information from others.</p>	104
<p><u>WEATHER FLIGHT PLANNING AND THE PILOT</u></p> <p>Aircraft Owners and Pilots Association 46:00 1990</p> <p>Introduces sources of preflight weather information and parts of a good weather briefing. Effective, efficient use of aviation weather services is demonstrated. Common pilot errors in obtaining and recording weather data are identified.</p>	147
<p><u>WEATHER PHENOMENON</u></p> <p>Airmanship Inc 52:00 1985</p> <p>An in-depth look at basic meteorology and the causes of weather.</p>	200
<p><u>WEATHER WATCH</u></p> <p>Airmanship Inc 68:00 1985</p> <p>Discusses the how and why formation of thunderstorms and other severe weather occur and the prescribed flying techniques required.</p>	201
<p><u>A WIND SHEAR AVOIDED</u></p> <p>Federal Aviation Administration 21:00 1990</p> <p>Explains windshear and microbursts and how commercial pilots should react when they encounter microburst activity. Windshear detection devices at airports are also explained.</p>	149
<p><u>SOME THOUGHTS ON WINTER FLYING</u></p> <p>Federal Aviation Administration 21:00 1990</p> <p>Alaskan bush pilots and air taxi operators share their expertise on hazards and safety precautions for cold weather flying: winter preflighting, icing, ELT's, ski flying, survival gear, and the "whiteout" condition.</p>	150

Title & Description

Video #

WINTER WEATHER FLYING

174

Sporty's Pilot Shop Tape 1 – 51:00 Tape 2 – 49:00 1992

These videos fly you through the winter weather (snowstorms, fronts, etc.), exploring in depth actual flights and their relationship to reported weather, the weather synopsis, and what was actually experienced. **When ordering these videos, please specify Tape 1, Tape 2, or both.**

Youth Organizations

Title & Description

Video #

AVIATION EXPLORING AND YOU

57

Sporty's Academy, Inc. 8:22 1995

Introduces the viewer to the Aviation Explorers Organization. Discusses the benefits of Aviation Explorers and the Boy Scouts of America.

THE WRIGHT BROTHERS AT KITTY HAWK

206

Paramount Pictures 24:00 1988

People can't fly.... Yes, they can, Charlie Brown. You'll see it happen when the Wright Brothers send their primitive airplane aloft at Kitty Hawk, North Carolina, in 1903. Charlie Brown isn't the only member of the Peanuts neighborhood who becomes an eyewitness in history. Woodstock, Peppermint Patty, Marcie, and., of course, Snoopy are there also.



VIDEO ORDER FORM

Video #	Title

Company
Attention
Address
City, State, Zip Code
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