

National Coalition



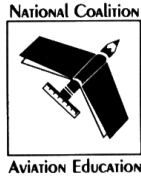
Aviation Education

A Guide to Aviation Education Resources



U.S. Department
of Transportation

**Federal Aviation
Administration**



National Coalition for Aviation Education (NCAE)

MISSION STATEMENT

The National Coalition for Aviation Education represents industry and labor, united to promote aviation education activities and resources; increase public understanding of the importance of aviation; and support educational initiatives at the local, state and national levels.

Aerospace Industries Association (AIA)
Air Line Pilots Association (ALPA)
Air Traffic Control Association (ATCA)
Aircraft Electronics Association (AEA)
Aircraft Owners and Pilots Association (AOPA)
Airports Council International--North America (ACI-NA)
American Helicopter Society (AHS)
Aviation Distributors and Manufacturers Association (ADMA)
EAA Aviation Foundation, Inc.
General Aviation Manufacturers Association (GAMA)
4-H Aerospace Education Programs
Helicopter Association International (HAI)
International Association of Machinists and Aerospace Workers (IAMAW)
National Aeronautic Association (NAA)
National Agriculture Aviation Association (NAAA)
National Air Transportation Association (NATA)
NASAO & the Center for Aviation Research and Education (NASAO/CARE)
National Aviation Exploring Committee
National Business Aircraft Association (NBAA)
Opportunity Skyway
Professional Aviation Maintenance Association (PAMA)
Soaring Society of America
University Aviation Association (UAA)
Women in Aviation, International (WAI)
Federal Aviation Administration (in partnership with NCAE)



Dear Educators:

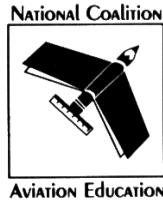
If you are interested in receiving NCAE Member Organization materials listed in this guide, please write to each coalition member (pages 3-9) individually. (Each member handles its own material distribution.)

Be specific in your request by indicating the item name and/or item number and the number of copies needed. If you have questions, contact the coalition representative whose association most closely relates to your subject matter.

We hope you find this resource guide helpful to you and your school.

Sincerely,

National Coalition for Aviation Education



National Coalition for Aviation Education *Member Organizations*

Aerospace Industries Association (AIA)

Alison J. Duquette
1250 Eye Street, N.W.
Washington, D.C. 20005
(202) 371-8400 / Fax (202) 371-8470

AIA is the trade association representing the nation's manufacturers of commercial, military and business aircraft, helicopters, aircraft engines, missiles, spacecraft, and related components and equipment. Founded in 1919 as the Aeronautical Chamber of Commerce of America, AIA includes among its early members Orville Wright, Glenn H. Curtiss, and nearly every important aircraft manufacturer at that time.

Air Line Pilots Association (ALPA)

Don Skiados
Air Line Pilots Association
1625 Massachusetts Avenue, N.W.
Washington, D.C. 20036
(202) 797-4060 / Fax: (202) 797-4052

ALPA represents 42,000 airline pilots at 37 U.S. worldwide, national, and regional/commuter airlines. ALPA promotes better working conditions, wages, safety, technology, and legislation through collective bargaining for its members.

Air Traffic Control Association

Jim Crook
Air Traffic Control Association
2300 Clarendon Blvd.
Arlington, VA 22201
(703) 522-5717 / Fax: (703) 527-7251

The Air Traffic Control Association is a professional association dedicated to advancements in the science and profession of air traffic control and aviation safety. ATCA's membership includes representatives of all facets of the air traffic control discipline such as air traffic control specialists, airway facilities technicians, managers, educators, scientists, engineers, individual pilots, airlines, government agencies, professional organizations, and companies which develop and produce air traffic control technology, equipment and services.

Air Transport Association (ATA)

Diana Cronan
Air Transport Association
1301 Pennsylvania Avenue, NW, Suite 1100
Washington, D.C. 20004
(202) 626-4000 / Fax: (202) 626-4181

ATA represents the interests of its 23 member airlines in technical, legal and political arenas. Its activities are designed to advocate and support measures which will further aviation safety, assure industry efficiency and growth and promote financial health.

NCAE Member Organizations

Aircraft Electronics Association (AEA)

Debbie McFarland
AEA Educational Foundation, Inc.
P.O. Box 1963 Attn: Membership Services
Independence, MO 64055
(505) 298-4003 / Fax: (505) 291-8724
AEA represents over 900 FAA Part 145 Certified Repair Stations with avionics and/or instrument ratings, as well as most manufacturers of civil aviation avionics equipment and airframes.

Aircraft Owners and Pilots Association (AOPA)

Janette Prince
Aircraft Owners and Pilots Association
421 Aviation Way
Frederick, MD 21701
(301) 695-2000 / Fax: (301) 695-2375
AOPA represents more than 300,000 general aviation aircraft owners and pilots who use their aircraft for non-commercial personal and business transportation. AOPA members constitute 60 percent of the active pilots in the nation.

Airports Council International--North America (ACI-NA)

Victoria Pannell
Airports Council International--North America
1775 K Street, N.W., Suite 500
Washington, D.C. 20006
(202) 293-8500 / Fax: (202) 331-1362
The Airports Council International-North America (ACI-NA) is the "Voice of Airports" representing local, regional and state governing bodies that own and operate commercial airports in the United States, Canada and Bermuda; ACI-NA Member airports enplane more than 90 percent of the domestic and virtually all the international airline passenger and cargo traffic in North America. ACI-NA also encompasses Associates representing a wide variety of businesses that provide products and services to the air transportation industry.

American Helicopter Society (AHS)

Norm Mowbray
American Helicopter Society
217 N. Washington Street
Alexandria, VA 22314-2538
(202) 637-3893 / Fax: (703) 416-1542
AHS is the professional society for the advancement of vertical flight technology and its useful application throughout the world.

NCAE Member Organizations

Aviation Distributors and Manufacturers Association (ADMA)

Patricia Lilly
Aviation Distributors and Manufacturers Association
1900 Arch Street
Philadelphia, PA 1910~1498
(215) 564-3484 / Fax: (215) 564-2175
ADMA represents approximately 100 distributors and manufacturers of aviation parts, components and suppliers.

EAA Aviation Foundation, Inc.(EAA)

Chuck Larsen
EAA Aviation Center
P.O. Box 3065
Oshkosh, WI 54903-3065
(414) 426-4888 / Fax: (414) 426-4873
The FAA Aviation Foundation is dedicated to the discovery and fulfillment of individual potential through opportunities and challenges inspired by the dream of personal flight. Its mission focuses upon education, on man's quest for flight, and on research and innovation accomplished by individuals in aviation.

General Aviation Manufacturers Association (GAMA)

Shelly Snyder
General Aviation Manufacturers Association
1400 K Street, N.W., Suite 801
Washington, DC 20005-2485
(202) 3931500 / Fax: (202) 842-4063
GAMA represents 50 U.S. manufacturers of general aviation aircraft, engines, avionics and related equipment. GAMA promotes better understanding of the air transportation environment and the important role general aviation plays in the national economy and serving America's transportation needs.

4-H Aerospace Education Programs

Dr. Tony Cook
National Project Coordinator
4-H Aerospace Education Programs
211 Duncan Hall--ACES
Auburn University, AL 36849-9650
(205) 844-2233 / Fax: (205) 844-9650
4-H Aerospace Education Programs promote aerospace education through programs and resources for young people. 4-H is dedicated to improving and expanding the impact of the programs and developing new opportunities for youth and society.

Helicopter Association International (HAI)

Norm Mowbray
Helicopter Association International
1619 Duke Street
Alexandria, VA 22314-4646
(202) 637-3893 / Fax: (703) 416-1542
HAI is a non-profit professional trade association with over 1,100 member organizations in 51 nations. HAI is dedicated to promoting the helicopter as a safe and efficient method of transportation.

NCAE Member Organizations

International Association of Machinists and Aerospace Workers (IAMAW)

John Goglia

International Association of Machinists

Transportation Department

9000 Machinists Place

Upper Marlboro, MD 20772-2687

(301) 967-4558 / Fax: (617) 233-7777

IAMAW is the largest labor organization representing air transportation in the United States including professional aircraft maintenance and manufacturing personnel.

National Aeronautic Association (NAA)

Raymond J. Johnson National Aeronautic Association

1815 N. Fort Meyer Drive, Suite 700

Arlington, VA 22209

(703) 527-0226 / Fax: (703) 527-0229

NAA's purpose is to coordinate and promote sport aviation within the United States; to represent sport aviation internationally; to oversee the establishment of all aviation and space records set in the U.S. and to promote aviation through national recognition of individual achievement.

National Agricultural Aviation Association (NAAA)

James B. Boillot

National Agricultural Aviation

1005 E Street, S.E.

Washington, D.C. 20003

(202) 546-5722 / Fax: (202) 546-5726

The NAA is a national association of agricultural aviators who use aircraft to enhance this nation's food and fiber production, protect our forest resources, and control health limiting pests.

National Air Transportation Association (NATA)

Ann W. Devers

National Air Transportation Association

4226 King Street

Alexandria, VA 22302

(703) 845-9000 / Fax: (703) 845-8176

NATA represents the business interest of the nation's general aviation service companies providing fueling, flight training, maintenance & repair, and on-demand charter service by more than 1,700 member companies with more than 100,000 employees.

National Association of State Aviation Officials (NASAO) and the Center for Aviation Research and Education

Edward M. Scott

Center for Aviation Research and Education

Metro Plaza One

8401 Colesville Road, Suite 505A

Silver Spring, MD 20910

(301) 495-2848 / Fax: (301) 588-1288

NASAO represents the state government aviation service agencies in all the states, as well as the aviation departments of Puerto Rico and Guam. The Center for Aviation Research and Education is a non-profit educational foundation affiliated with NASAO.

NCAE Member Organizations

National Aviation Exploring Committee

Hal Shevers, Chairman
National Aviation Exploring Committee
c/o Sporty's Pilot Shop
Clemont County Airport
Batavia, OH 45103
(513) 732-2593 / Fax: (513) 732-6560

The National Aviation Exploring Committee is a group of aviation industry leaders who advise the Boy Scouts of America's Aviation Exploring program.

National Business Aircraft Association (NBAA)

Cassandra Bosco
National Business Aircraft Association
1200 18th Street, N.W., Suite 200
Washington, DC 20036
(202) 783-9000 / Fax: (202) 862-5552

NBAA represents the interests of over 3,200 companies which operate general aviation aircraft as an aid to business. NBAA members earn annual revenues in excess of \$3 trillion and employ more than 16 million people worldwide.

Opportunity Skyway

Deszerrai Shannon
Opportunity Skyway
6709 Cpl. Frank S. Scott Dr.
College Park, MD 20740
(301) 864-0673 / Fax: (301) 864-0849

Opportunity Skyway is a national aviation oriented dropout prevention, career development program focused chiefly but not exclusively on preparing minority and disadvantaged youngsters for the workplace.

Professional Aviation Maintenance Association (PAMA)

Christine A. Leonard
Professional Aviation Maintenance Association
500 Northwest Plaza, Suite 1016
St. Ann, MO 63074-2209
(314) 739-2580 / Fax: (314) 739-2039

PAMA is a national professional association of aviation maintenance technicians, with some 4,000 individual members and 250 affiliated company members.

Soaring Society of America

John H. Campbell
Chairman, Youth Committee
Soaring Society of America
P.O. Box E
Hobbs, NM 88241-1308
(505) 392-1177 / Fax: (505) 392-8154

SSA is a non-profit educational organization that seeks to foster and promote all phases of gliding and soaring on a national and international basis. SSA is a division of the National Aeronautic Association, which has delegated to it the USA supervision of FAI sailplane records and competitions.

NCAE Member Organizations

University Aviation Association

Frank Mitchell

AEC Chairman

University Aviation Association

3410 Skyway Drive

Auburn, AL 36830

(334) 844-2434 / Fax: (334) 844-2432

Working through its officers, trustees, committees and professional staff, UAA represents all levels of the non-engineering technology element in collegiate aviation education.

Women in Aviation, International (WAI)

Dr. Peggy Baty

Women in Aviation, International

P.O. Box 1001

Columbia, IL 62236

(618) 281-8005 / Fax: (618) 337-9368

WAI represents women from all segments of the aviation industry -- general, corporate, commercial, and military. WAI is dedicated to providing year-round resources to assist women in aviation and to encourage young women to consider aviation as a career or hobby. The organization provides educational outreach programs to educators, aviation industry members and young people nationwide.

Federal Aviation Administration (FAA) (In partnership with NCAE)

Phillip S. Woodruff

Federal Aviation Administration Headquarters Office/AHT-100

Aviation Education DOT Hqs. BLDG/Plaza-100

Washington, DC 20590

(202) 366-7018 / Fax: (202) 366-3786

Internet E-mail: PWOODRUFF@mail.dot.FAA.Hqs. GOV.

In addition to FAA's regulatory role in licensing pilots, maintenance, etc., FAA provides a variety of aviation education materials and advice, ranging from kindergarten to the university level.

Aerospace Industries Association (AIA)



AIA is organized to provide staff support to its member companies through councils and committees. AIA staff keeps up with developments on the key issues affecting the U.S. aerospace industry and relays that information to industry, government, academia, the news media, and the general public through regular and special meetings, workshops, seminars, reports, memoranda, and publications.

Although AIA does not have a formal education program, the Office of Communications responds to aerospace-related inquiries from educators, students, and the general public.

AIA Top Ten Issues

- Defense Readiness
- Industry Consolidation
- International Competitiveness
- Industrial Base
- SDBs & Women-Owned Businesses
- Acquisition Streamlining
- Environments, Safety, & Health
- Civil Aeronautics
- Space
- Regulatory Reform

AIA Organization

Aerospace Research Center researches, provides analysis, and prepares studies to bring perspective and a better understanding to the issues, problems, and policies of the industry.

Civil Aviation Council works with domestic and international agencies, Congress, and others in the aviation community concerning manufacture of civil aircraft, including commercial aircraft, business jets, and rotorcraft.

Communications Council supports the public activities of AIA's president and staff and conveys industry goals and accomplishments to AIA members, the news media, and the public.

Environmental, Safety, & Health Committee works on environmental and safety efforts with other organizations such as the airlines, the Federal Aviation Administration (FAA), National Aeronautics and Space Administration (NASA), and the Department of Defense.

Human Resources Council is concerned with labor and employee relations, industrial security, and employee compensation.

AIA

International Council addresses international issues affecting the ability of U.S. firms to compete and cooperate in a global marketplace.

Legislative Affairs monitors policy matters affecting the industry and prepares testimony that communicates industry's viewpoint to Congress.

Policy and Planning coordinates the key policy issues identified by the association's Board of Governors and establishes goals and strategies for achieving consensus and action.

Procurement and Finance Council monitors and coordinates legislative and regulatory changes and initiates actions for improvement in procurement and procurement-related issues.

Technical and Operation Council focuses on all aspects of technological, operations, and engineering efforts to advance all aspects of program management, industrial base, engineering, development, test, manufacturing, quality, materiel management, product support, and information to better address issues stemming from the production of aircraft, missiles, and space vehicles.

AIA Publications & Services

AIA Newsletter

AIA Annual Report

Economic Data Service Aerospace Statistical Series

Annual Aerospace Employment Survey

Annual Year-end Review and Forecast

AIA Member Company Product Directory

AIA Directory of Member Company Public Information Representatives

Aerospace Facts & Figures statistical yearbook

Security and Policy Review Handbook

After the Cold War: The U.S. Aerospace Industry in the International Marketplace

The Troubled Airline Industry: Its Impacts on Aircraft Manufacturers and the U.S. Economy

The U.S. Civil Aircraft Industry: Can It Retain Leadership?

National Aerospace Standards

Air Line Pilots Association (ALPA)



The Air Line Pilots Association actively participates in aviation education through its Education Committee and the Pilot Information Program (PIP) designed to pass along valuable information to aspiring aviators. Through a variety of activities, ALPA pilots volunteer their time to talk about getting a start in the airline industry and their own experiences in training, employment, interviewing, and other topics of interest to flight students. Activities include visits to elementary, middle, and high schools, universities and colleges, and trade shows where ALPA displays brochures and magazines.

ALPA maintains an outreach program and other support opportunities:

Pilot Information Program (PIP)

The Pilot Information Program (PIP) is an organization designed for anyone who is interested in becoming a pilot. For an annual fee of \$20, PIP members receive valuable information on becoming a pilot and what it's like to be a pilot. Each month PIP members will receive Air Line Pilot magazine, published by ALPA for its members. In addition, a quarterly newsletter is published by PIP staff, training discounts are available to PIP members through ALPA's Preferred Training Provider (PTP) program, and each member receives a copy of Flying the Line, a history of the first half century of the Air Line Pilots Association. Finally, PIP members are entitled to discounts up to 25% off of Aviation Information Resources (AIR, Inc.) products and services.

Top Pilot Award -- National Intercollegiate Flying Association (NIFA)

The ALPA Education Committee supports the National Intercollegiate Flying Association through its "Top Pilot" award at each of the regional NIFA flying meets and its national SAFECON meet each May. NIFA presents school flying teams with the opportunity to earn points for each event that is successfully completed. For the pilot who earns the most points throughout each regional meet, ALPA awards \$500 and a trophy. For the individual pilot who earns the most points at the national meet, ALPA awards a \$1,000 prize and an additional \$1,000 to that pilot's school. In addition, ALPA provides volunteers who attend the regional and national airmeet, giving students a chance to meet face-to-face with airline pilots.

Scholarships

ALPA sponsors a variety of scholarships for children of deceased or medically retired ALPA pilots.

Air Traffic Control Association, Inc. (ATCA)



The Air Traffic Control Association is a professional association dedicated to advancements in the science and profession of air traffic control and aviation safety. ATCA's membership includes representatives of all facets of the air traffic control discipline such as air traffic control specialists, airway facilities technicians, managers, educators, scientists, engineers, individual pilots, airlines, government managers, educators, scientists, engineers, individual pilots, airlines, government agencies, professional organizations, and companies which develop and produce air traffic control technology, equipment and services. ATCA makes the following services available to educators and students involved in aviation disciplines:

Programs

Each year, ATCA conducts an Annual Meeting, International Technical Program and Exhibits, featuring a four-day program of technical sessions on air traffic control and aviation safety issues, 200 booths of exhibits displaying the latest in the air traffic control technology, equipment and services, and a variety of public service/informative events. In addition to the Annual Meeting, throughout the year ATCA conducts symposiums and technical meetings at various locations in the United States and abroad on current topics of interest to the air traffic control and aviation community. Registration for ATCA's annual meeting and all ATCA symposia are open to the public, with discounts for ATCA members.

Publications

Journal of Air traffic Control, a quarterly magazine featuring scholarly articles on air traffic control, historical information, and aviation news impacting on air traffic control. Included with membership. Also available by subscription (\$35 per year U.S., \$45 per year outside the U.S.)

Air Traffic Control Association Bulletin, a monthly newsletter reporting on ATCA programs and activities, news and developments in the science of air traffic control, and current issues impacting ATCA. Included with membership in ATCA. Not available by subscription.

Proceedings of the ATCA Annual Meeting, International Technical Program and Exhibits, an annual sourcebook of air traffic control technical information and scholarly articles. Included with registration at ATCA's Annual Meeting, or available for purchase as single copy or in volume.

Air Traffic Control Quarterly, a quarterly journal of peer-reviewed and selected technical articles on air traffic control subjects. Edited by the Air Traffic Control Association Institute, Inc.; published by John Wiley and Sons of New York, New York. Available by subscription (\$82.50 per year for ATCA members; \$165 in the U.S. to the general public; \$185 in Canada; \$225 outside North America.) For subscription information contact John Wiley & Sons, Dept. 3-6284, 605 Third Avenue, New York, New York 10157-0228.

ATCA

(Approved by ATCA) *Air Traffic Control, How to Become an FAA Air Traffic Controller* by Walter S. Luffsey, New York, N.Y.: Random House, 1990. ISBN 0-679-73050-8. Available from bookstores or directly from Random House. \$17.95.

Scholarship Program

Once per year, the Air Traffic Control Association awards scholarships in the amount of \$1,500 to \$2,500 to deserving students engaged half to full-time in an aviation related course of study leading to a bachelors degree or higher at an accredited college or university. Scholarships in an amount up to \$600 also are awarded to full-time aviation career employees engaged part-time in study designed to improve their job skills. Three to four scholarships are awarded to half to full-time students each year; four or more scholarships are awarded to full-time employees. Selection is based upon financial need and academic record. Application deadline is August 1 of each year, with awards announced in October-November. For additional information and/or application forms, contact ATCA, 2300 Clarendon Boulevard, Suite 711, Arlington, Virginia 22201, telephone: (703) 522-5717.

Dues

Annual Membership Dues: \$78 individual civilian/military (officer) professional; \$45 student/developmental controllers; \$30 military (enlisted); \$500-\$1,000 corporations. Membership in ATCA includes a subscription to the monthly Bulletin newsletter and quarterly Journal of Air Traffic Control.

Air Transport Association (ATA)



ATA represents the interests of the airline industry in technical, legal and political arenas. Its activities are designed to advocate and support measures which will further aviation safety, assure industry efficiency and growth and promote financial health. Today, the association's work includes several major initiatives:

- ATA advocates the modernization of the Federal Aviation Administration's (FAA) air traffic control (ATC) system to improve the movement of aircraft.
- ATA seeks to improve the industry's ability to attract capital.
- ATA works to build broad understanding of the industry's public service performance in a deregulated environment and seeks to prevent legislative and regulatory actions which would impose rate, route, service or schedule controls on the airlines--many of which would penalize passengers and shippers.
- ATA focuses industry efforts to improve the airlines' strong safety record and minimize the impact of airline operations on the environment.
- ATA participates in shaping international aviation policy to assure that U.S. carriers can compete on equal terms with foreign carriers.
- ATA seeks to increase the protection and security of passengers and cargo, ensuring that security measures used by both U.S. and foreign carriers meet the same high standards.
- ATA endeavors to reduce the disproportionate share of taxes and user fees placed on airlines and their passengers and opposes legislation and other initiatives which attempt to impose burdensome costs or taxes on the air travel industry and the traveling and shipping public at the federal, state or local level.

ATA has several informational brochures available, free to the public, which provide useful information regarding the airline industry. *The People of the Airlines* lists and explains the many career opportunities in the airline industry. This brochure provides addresses and phone numbers of ATA member airlines where students and the public can obtain additional information. *The Airline Handbook* was written as a guide for layman to the airline industry. This handbook provides a brief history of aviation as well as a general overview of the industry today. ATA also maintains an extensive aviation library. The topics in the library include general reference material, aviation history, industry statistics, legal and legislative works and other current information. The library is available to the public and will provide research assistance when necessary.

To receive a copy of ATA's *Airline Handbook* or the *People of the Airlines* brochure, write to ATA, Suite 1100, 1301 Pennsylvania Avenue, NW, Washington, DC 20004-1707.

Aircraft Electronics Association (AEA)



The Aircraft Electronics Association Educational Foundation is a charitable, tax-exempt foundation established to provide aviation education services in four program areas:

Scholarships: Develop, fund and manage a broad range of academic scholarships to be awarded to students attending post secondary educational institutions, including technical schools. Presently, there are approximately 14 AEA scholarships, totaling over \$50,000 in financial assistance. Scholarship applications are handled through the Foundation's offices.

Training: Organize specialized technical and business skills training programs for the aviation industry.

Industry Support: Provide support for existing aviation related educational institutions.

Youth Awareness: Provide support for aviation organizations who offer youth awareness programs to acquaint younger individuals with the educational, professional, technical and recreational opportunities in aviation.

AEA memberships are available for students at all levels of education at \$40/year. This membership entitles the student to receive the monthly issues of AEA's official publication, *Avionics News*, along with other services and benefits. Memberships for educational institutions are available at \$100 for the first year and \$275 for subsequent years. This membership offers a wide variety of services and benefits. Membership applications are available through the international office.

Other publications available include the *AEA Annual Rate and Labor Survey* at \$40 per copy.



Aircraft Owners and Pilots Association (AOPA)

AOPA: A New Aviation Education Resource

America's Pilots Participating in Local Education-it's key to ensuring a future for aviation. It's also the name of AOPA's aviation education program, better known as APPLE. Through the APPLE program, AOPA provides *free* materials to teachers and pilots to help them share aviation with students.

AOPA's Aviation Education Resources

A Teacher's Guide to Aviation

AOPA's brochure *A Teacher's Guide to Aviation* is a popular introduction to aviation as a teaching tool. It includes sections discussing:

- Flight Training
- Career and salary information
- Ideas for bringing aviation into the classroom
- The basics of flight
- Useful aviation facts
- Resource and information guide

APPLE Classroom Kit

The *Classroom Kit* includes materials around which a classroom presentation may be developed. The pages may be photocopied for distribution to students. Diagrams and information include:

- The main parts of an airplane
- How is a plane controlled?"
- Instructions for making a simple airfoil
- "What makes an airplane fly?" (the four forces of flight)
- Definitions of airplane parts
- An airplane instrument panel
- An outline of ideas and list of activities

AOPA's ABC's of Aviation

This popular brochure is an "aviation-to-English" glossary of 78 common and often confusing aviation terms. For instance, it explains:

- General aviation (all aviation except airlines and military)
- Stalls (no, the engine doesn't stop)
- Commercial pilot (not an airline pilot)

The concise but detailed glossary helps translate aviation abbreviations and jargon, and is a useful teaching tool.

AOPA's Careers in Aviation

Listing almost 70 aviation-related careers, this one-page brochure provides information about:

- education requirements
- who employs
- Salary range
- future job outlook

AOPA's Aviation Fact Card

Updated annually, the Fact Card tells the story of aviation in numbers, and can be useful as a tool for math studies. Statistics are included about:

- Active Pilots
- Numbers of hours and passengers flown
- Transportation accidents
- Active civil aircraft
- Airports

AOPA

AOPA PILOT Magazine for School Libraries

School libraries may subscribe to AOPA's award-winning monthly magazine. This full-color publication boasts stunning photography and expert columnists, and is popular with aviation enthusiasts of all ages.

Articles cover:

- aircraft
- aviation news
- aviation law
- other general aviation-related topics
- weather
- pilots
- aviation products

AOPA Members as Expert Resources

Pilots are uniquely qualified to show young people that what they're studying today has applications in an exciting aspect of society-aviation. We encourage our more than 300,000 members across the United States to be expert resources, sharing activities and materials and providing a link between the education and aviation communities. Pilots use their experiences in aviation to spark interest in math, science, and almost any other subject.

AOPA provides pilots:

- guidelines about whom to contact in local school districts
- tips on topics to discuss
- classroom activity ideas
- suggestions for other ways to participate in aviation education in their hometowns

Fly a Teacher

AOPA thinks teachers should experience general aviation flight. We provide volunteer pilots guidelines for providing orientation flights for teachers and provide AOPA's First Flight Certificates. Through AOPA's "Fly A" programs, AOPA members provide orientation flights to people who otherwise might not get the chance to see what general aviation is all about.

AOPA's Additional Aviation Education Involvement

At AOPA, we are also interested and often involved in what's going on throughout the industry to support aviation education. This list explains our additional involvement:

- We signed a partnership agreement with FAA to promote Aviation Education and Public Awareness."
- AOPA participates in a partnership with Opportunity Skyway and supports Opportunity Skyway's efforts to establish affiliate programs around the country. AOPA is represented on the Opportunity Skyway Board of Directors.
- We provide information about our aviation education programs to the Federal Education Information Exchange (FEDIX). Any teacher with a personal computer and modem can learn what materials AOPA has available through the FAA Aviation Education Menu.
- AOPA and the AOPA Air Safety Foundation are members of the University Aviation Association.

A New Commitment

AOPA takes pride in renewing its efforts to enhance the aviation education of America's young people. Our resources are available at no cost to educators. Why? Because AOPA believes aviation is a valuable teaching tool which can motivate students while enlightening educators and parents about general aviation's positive contribution to American life.

Airports Council International -- North America (ACI-NA)



ACI-NA Commissioners Roundtable Scholarship Program

The ACI-NA Commissioners Roundtable Scholarship provides financial support to students working towards a career in airport management or airport administration. The scholarship is awarded in an amount up to \$2,500. Applications are reviewed by a panel from the University Aviation Association and 10 finalists are chosen. A recipient is selected from the 10 finalists by the ACI-NA Commissioners Roundtable Steering Group.

ACI-NA Conferences and Seminars

ACI-NA conferences and seminars facilitate face-to-face education and interaction, and provide a forum for the examination of aviation issues and the presentation of new ideas and products. Conferences and seminars also focus on the following areas: U.S. Governmental Affairs; Economic Affairs (including Commercial Management, Finance & Administration, International Airports Economics and Small Airports), Legal Affairs; Environmental Affairs; Technical Affairs; International Air Service; Marketing/Communications; and Aviation Education.

Educational/Tour Guide Conference

A bi-annual conference providing a forum for airports to share aviation education program experiences to foster the development of similar programs at airports across North America.

Airport Highlights

A bi-weekly newsletter spotlighting the latest airport news, regulatory and Congressional developments, domestic and international aviation news, industry issues and employment and business opportunities. Publication offered to students at a special rate of \$125.00/yr.

Reports, Studies & Surveys

Aviation related reports, studies and surveys are available at special rates to students.

Hand books

Various aviation related handbooks are available on a wide-range of subjects. Airport Communications Handbook offers section on planning and developing aviation education programs. Other handbooks available include: *Airport Contracting Procedures*; *Airport Environmental Management Handbook*; *Airport Marketing Handbook*; *Airport Economic Handbook*; and *Passenger Facility Charge (PFC) Information/Media Handbook*. Handbooks are available to students at special rates.

ACI-NA

Women in Airport Management

ACI-NA publication excerpt, women airport executives highlight aviation issues and offer advice for those interested in pursuing airport management careers. Free

Airports--THE FACTS Brochure

Informative brochure highlights airports as economic generators with long-term community commitments and as well managed facilities. Individual brochure requests are free. Brochures available in lots of 50 for \$7.95.

American Helicopter Society (AHS)



AHS-Educational Materials

Vertiflight

Bi-monthly publication of the AHS, a professional society, for the advancement of vertical flight technology and its useful application throughout the world. Vertical Flight Foundation Scholarships.

Vertical Flight Foundation Scholarships

The foundation is a charitable trust that supports the scientific and educational activities of VTOL flight. Each year the VFF awards one or more scholarships, at a value of up to \$2,000, to undergraduate or graduate students interested in pursuing engineering careers in the helicopter or vertical flight industry.

AHS Descriptor

Since 1943 the AHS has provided its members with a forum for the exchange of technical information, and has developed a full-service library that provides easy access and distribution of technical and non-technical information on the rotor- craft industry.

Flight (Fundamental Lessons in General Helicopter Technology)

Video tape, narrated by Cliff Robertson, that describes the history, development and future of the helicopter industry. This video tape accompanied by "teacher friendly" instructional materials will provide a 3 to 10 day unit of instruction at the middle or high school level. Many employment opportunities and basic preparation requirements are outlined in the FLIGHT presentation.

Video Tapes

- *American Helicopter 40th Anniversary* - Narrated by Ralph Alex, covers the history of the helicopter industry and the AHS - 10 min.
- *Spirit of Texas*--Record Setting Helicopter Flight Around the World by H. Ross Perot, Jr.,-10 min.
- *Indianapolis Downtown Heliport*, demonstrates the benefits of helicopter transportation and urban heliports and highlights the Indianapolis Downtown Heliport - 10 min.
- *A Big Lift*, an FAA tape that portrays the various uses of civil helicopters - 15 min.
- *Tiltrotor and the Future*, tape traces the history and development of the XV3, XV-15 and the V-22, and the many potential uses of the Bell-Boeing tiltrotor aircraft.
- *History of the Helicopter*; this Shell Oil film takes a historical look at the role of the helicopter - 22 min.

Aviation Distributors and Manufacturers Association (ADMA)



The Aviation Distributors and Manufacturers Association exists for the promotion of friendly business relations among its members, to promote the general welfare of the industry and to bring about the utmost efficiency and economy in connection with the distribution of the lines manufactured and distributed by the industry. Membership is comprised of nearly 100 international distributors and manufacturers of aviation parts, components and supplies.

ADMA is committed to furthering aviation education through the following activities:

- ADMA publishes the bimonthly Aviation Education News Bulletin for students and educators alike. This publication includes pertinent information on training and educational opportunities, scholarship resources, education tools and programs, etc.
- An aviation educator or institution is honored annually with the presentation of the Janice Dyer Aviation Education Award (formerly Stewart G. Potter Award) for outstanding achievement in the field of aviation education.
- The ADMA Scholarship Endowment Fund awards scholarships annually to students enrolled in a four-year college pursuing careers as pilots or in aviation management.
- ADMA publishes educational brochures including:

Student Airport Tour

Provides a checklist for both the educator and FBO to assist in arranging educational tours.

Choose a Career in Aviation

Assists students in selecting an aviation career goal and then pursuing specific classes to help them achieve that goal.

- ADMA's Aviation Education and Youth Committee has as its major goal to interest primary, secondary, technical school and college students in potential careers in aviation.

EAA Aviation Foundation, Inc. (EAA)



The EAA Aviation Foundation, Inc.

The FAA Aviation Foundation is dedicated to the discovery and fulfillment of individual potential through opportunities and challenges inspired by the dream of personal flight. Through its people-serving programs and activities, the Foundation shares the spirit, tradition and standards of the Experimental Aircraft Association. Its mission focuses upon EDUCATION, on the rich HERITAGE of man's quest for flight and on RESEARCH AND INNOVATIONS accomplished by individuals in aviation.

A commitment to excellence is easy to announce, but very difficult to maintain. It takes a shared vision to see a goal and hard work to reach it. True excellence, however, is measured by those who have maintained high levels of achievement year after year.

Established in 1962, the Foundation cosponsors the annual FAA Fly-In Convention, operates the world class FAA Air Adventure Museum, encourages innovative technologies to make flying possible for more people and maintains a renowned library collection of books, periodicals, photographs and archival materials.

In its commitment to education, the Foundation sponsors an expanding array of forums, workshops and hands-on activities for all ages. Those events provide the skills and knowledge valuable even beyond the world of aviation.

We need people like you to help us maintain and expand this commitment to excellence.

For more information on how you can support these programs for youth and the EAA Aviation Foundation, call the EAA Aviation Center at (414) 425-4800.

EAA Young Eagles

What would the world look like from the edge of a cloud? The sky is an endless wonder and the goal of the Young Eagles Program is to match a young person's fascination with skies with a pilot eager to share it. FAA members are dedicated to giving one million young people an airplane ride by the year 2000 the 100th anniversary of powered flight and 50th anniversary of FAA. The experience includes more than just a ride, however as pilots share the "whys" and "hows" of aviation and, more importantly, share the joy of flight. It's a chance for youth to meet a positive aviation role model.

Each Young Eagle receives a certificate presented by their pilot to commemorate the experience. The young person's name is entered in the "World's Largest Logbook" at the FAA Air Adventure Museum plus each receive a Young Eagles decal and two issues of Sport Aviation For Kids.

EAA Aviation Foundation, Inc.

The Young Eagles Program seeks young people that will be the next generation of aviators. It encourages them to dream and strive to reach positive life goals. The experience motivates responsibility and safety in a unique and exciting setting.

Set a vision for the future. Find out more about the Young Eagles Program by calling the EAA Aviation Center at (414) 426-4800.

EAA Air Academy

The Air Academy is a summer aviation experience of a lifetime for youth ages 15-17.

- A chance to study aviation from every angle-the people, places and science of aviation.
- Held each summer at the EAA Aviation Center in Oshkosh, Wisconsin, the place where the world focuses on aviation.
- Held at various sites across the nation during the year.
- Master craftsmen and teachers emphasize sharing the skills and lore of aviation that culminates with activities at the EAA Fly-In Convention.

Adult Air Academy

The Adult Air Academy is an intense week-long program that opens the world of aviation for adult enthusiasts.

- The adult Air Academy gives opportunities for enthusiasts to share their interest and learn hands-on aviation skills from instructors who are among the finest in the world.
- Adults may choose from a general overview of aviation topics or concentrate on specific skills.

EAA Scholarship Program

Encouraging, recognizing, and supporting students in pursuit of an aviation career is the goal of EAA and award sponsors.

- The EAA Aviation Foundation awards thousands of dollars in grants every year, ranging from two hundred dollars to full degree programs.
- Recipients are students demonstrating a financial need to accomplish their goals in the field of aviation.
- The Foundation looks to encourage students who are studying the technologies and skills of aviation, seeking to become tomorrow's aviation leaders.

EAA Project Schoolflight

This program has helped young people explore aviation for more than 35 years by building an actual aircraft in their own schools or youth organization.

- It includes the basics of aircraft design and construction for enthusiasts in high schools and technical schools throughout North America.
- The program not only teaches aviation, but also skills, an appreciation for workmanship and high standards of quality applicable to more than aviation.
- Inexpensive pedal-plan kit and simple VFR flight simulator plans are available to elementary and middle schools.

EAA Aviation Foundation, Inc.

EAA Fly-in Convention

Held at Wittman Regional Airport in Oshkosh, Wisconsin, the Convention is one of the world's largest and most comprehensive aviation events.

- More than 500 forums and workshops are presented to teach amateurs and professionals more about the latest in aviation.
- Top airplane experts and builders share their years of knowledge with enthusiasts.
- The latest aircraft innovations and designs are on display explained by the people behind the ideas!

EAA Videos

From starting to build an airplane to learning how to fly loops and rolls, EAA's ever-expanding roster of videos can help.

- Aviation experts offer their expertise, opening a world of aviation knowledge.
- The videos show the right places to find help to advance in aviation knowledge and experience.
- Discover the priceless heritage of aviation through historical videos produced by EAA.

EAA Membership For Kids And Young Adults

Young people have many ways to get involved in FAA's world of aviation. The newest way is the EAA Sport Aviation Club...a great club for young people aged 8-14 that introduces them to the world of aviation. For \$15 a year, kids receive Sport Aviation for Kids, a colorful new magazine with awesome photos, super games and exciting stories about airplanes and the people who love flying them. Club members also receive a Sport Aviation Club membership card, iron-on patch and club logo sticker. If you've always wondered how airplanes fly and who flies them, here's a great way to find out:

Young adults through age 18 can be an FAA youth member. For \$20 a year, member receive their own EAA membership card, 12 issues of Sport Aviation magazine and the special benefits that all adult EAA members enjoy. They are also eligible to participate in special youth forums and other activities at the annual Fly-In Convention in Oshkosh, Wisconsin, the EAA insurance programs and activities with local EAA chapters. It's a great way for young people to discover more about the freedom of flight.

EAA Publications

Each of EAA's six publications contains valuable insights into aviation along with the people who fly.

- EAA's flagship publication, Sport Aviation, provides a look at the entire spectrum of recreational aviation.
- The Experimenter is published for light plane and ultralight enthusiasts, as well as people building their own airplanes.
- Vintage Airplane; Warbirds and Sport Aerobatics have great appeal for enthusiasts of these specialized areas of sport aviation.
- The new Sport Aviation for Kids gives young people an exciting first look at the possibilities in the world of aviation.

General Aviation Manufacturers Association (GAMA)



Aviation Education Activities

GAMA is proud to be a part of the National Coalition for Aviation Education. We invite each of you, as educators, to continue your guidance in providing the educational motivation needed to entice our children to learn. Aviation education is a motivator that increases learning skills and provides opportunities for young people to apply their knowledge in achieving life-long career goals in aviation or other chosen fields.

GAMA Participation

National Congress on Aviation and Space Education Conference. GAMA participates in seminars and distributes thousands of materials to nearly 1,000 teachers from across the country. At each Congress, GAMA holds an aviation education idea contest for the participants and introduces the Excellence in Aviation Education Award.

National Intercollegiate Flying Association SAFECON (Safety Evaluation Conference). GAMA participates in NIFA and University Aviation Association (UAA) activities throughout SAFECON. Provides materials and information to participating students from more than 25 colleges and universities across the country and sponsors and awards the Harold S. Wood Award for Excellence to the top aviation student in the country.

Annual International Women in Aviation Conference. Each year, GAMA sponsors the 800 (+) attendee conference founded and chaired by Dr. Peggy Baty. The conference goals are to offer women an opportunity to learn about their aviation heritage, to encourage more women to pursue aviation careers and to provide a networking environment for women in the field of aviation.

GAMA Awards Offered

GAMA Excellence in Aviation Education Award. This is an annual award presented to secondary and primary school teachers, who bring aviation into the classroom. Awards are given to three educators in each of four grade groups: Kindergarten through 3rd grade, 4th through 6th grade, 7th through 9th grade, and 10th through 12th grade. Applications are available from GAMA's Aviation Education Office.

GAMA Harold S. Wood Award for Excellence. The GAMA award recognizes the most outstanding collegiate aviation scholar in the nation. It is named in honor of NIFA executive director emeritus Dr. Harold S. Wood who is internationally known for his dedication to aviation education. Students interested in submitting an entry should contact GAMA's Aviation Education office.

GAMA Materials

Learn To Fly. (Brochure) A brief synopsis of the levels of pilot certificates, the training required, answers to questions on becoming a pilot, and illustrated basics of flight. 25 copies are free for educators.

Activities and Resources to Use in General Aviation Teaching Units. Developed to assist educators in any level of teaching to construct a teaching unit offering the student knowledge of general aviation's history and its modern application.

GAMA Aviation Education Report - Your Career in General Aviation. Emphasizes general aviation while describing the wide variety of job opportunities available in the aviation community. Provides students with a brief description of the type of education or experience necessary for various industry jobs. Lists twelve different organizations offering specific aviation career information.

Take Off For Opportunities. This 11-minute VHS video provides information on future opportunities for young people in aeronautical/aerospace engineering, maintenance and avionics repair.

Making the Difference. Documentation of six true stories of general aviation in common and critical situations. Shows general aviation at work in the sky in such commercial uses as photography, agriculture, air ambulance, flight training, and business and corporate flying. 14 minute VHS video cassette.

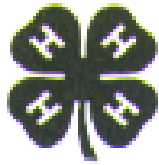
Aviation Education Resource List. List of aviation organizations that provide materials to educators.

General Aviation Statistics/GAMA Industry Review. Statistics on U.S. general aviation shipments, aircraft fleet, international trade, safety and the most current data on airport statistics, pilot population, and the top GAMA issues for the year.

Business Aviation Information. Brochures, videos, statistics developed for the NBAA/GAMA Business Aviation Advocacy Program "No Plane. No Gain." The program promotes business aviation as a cost-effective tool for increasing the efficiency, productivity, and profitability of companies. Materials are available from GAMA or by calling (800) 9AVIATE.

For your free copy of the GAMA aviation education materials, write to: GAMA Aviation Education, 1400 K Street, NW, Suite 801, Washington, DC 20005.

4-H Aerospace Education Programs



4-H Youth Programs is involved in aviation and space education throughout this country with new and exciting partnerships such as **4-H MISSIONS IN SPACE at SPACE CAMP** in Huntsville, Alabama; and the developing relationship with the Experimental Aircraft Association's (EAA) **YOUNG EAGLES** Program. Because 4-H reaches into every county, exemplary aerospace programs can be introduced and promoted at "grassroot" levels throughout the country. Young people will have greater access to opportunities to learn about and experience aviation and space related programs. Volunteers, Extension Staff and other educators interested in helping young people prepare for a high tech future will have more resources available and will be more aware of opportunities through the efforts of 4-H and the Cooperative Extension Service. Workforce preparation is also addressed as a concern by incorporating the US Labor Department's SCANS competencies as appropriate.

The 4-H Vision document, Partnerships for Aerospace Education and Workforce Preparation, was developed in the Spring and Summer of 1994 by several individuals representative of the aviation and space community as well as the Extension community. A copy of the 4-H vision for Aerospace Education may be obtained from the Project Coordinator.

4-H Goals for Aerospace Education

Youth Involvement. All young people, pre-school through adult, will have opportunities to participate in meaningful and relevant aerospace education experiences.

Education and Awareness. Adults and youth will be more aware of societal benefits of aerospace and will be better prepared to utilize aerospace educational experiences as a means of acquiring skills needed in the workforce.

Collaboration. A process of developing partner relationships will create greater access to and will market exemplary aerospace education programs.

Coordination and Management. Identification, evaluation and coordination of programs and resources will appropriately address needs and meet the criteria for workforce preparation.

Communication. A marketing and dissemination plan will provide access to aerospace education programs, resources and opportunities at all levels of communities; family, local, county, state, regional and national.

4-H Aerospace Education Programs

Nationally Coordinated Programs

4-H MISSIONS IN SPACE is the result of a partnership with the U.S. Space & Rocket Center in Huntsville, Alabama, home of SPACE CAMP. The partnership provides opportunities for young people to participate in a special three day version of the Space Academy Level One program conducted at SPACE CAMP. Several sessions are conducted each year and are recommended for any young person in the 6th grade or higher. A five day session is conducted the second week of October each year for those students who choose a longer and more in depth experience. Registration can be arranged by calling 1-800-63-SPACE and asking for the Group Reservations Manager.

Developing Partnerships

4-H is working with the EAA Young Eagles program to promote aviation education and to inform County Extension Staff and Volunteers of the opportunities available through EAA members throughout the country. A national mailing in the Fall of 1994 with a jointly written letter to ALL Extension field staff, introduces 4-H to Young Eagles. Follow-up communications will support activities at local levels.

As 4-H Aerospace Education attains additional support, other partnerships will be nurtured and developed with the common objective of providing opportunities for young people to become better prepared for the workplace.

Publications

SKYLIGHTS, Highlights of Aerospace Education Resources, will address some of the current needs in aerospace education. Knowledge of and accessibility to many educational resources in aerospace is not always assured for educators, youth group leaders, parents, students or extension staff in 4-H. **SKYLIGHTS** will be available in three forms as an aerospace section in the National 4-H Council newsletter, *Program Highlights*, and electronically. Intended readers include Extension Staff, volunteer leaders, teachers, older teens, other interested educators and youth as well as industry contacts.

The "newsletter" will include stories about young people and adults regarding their activities and successes. Organizations will introduce programs; new curriculum and materials will be presented; youth and adults will be directed to local contacts in aviation and/or space related activities. Community involvement will be highlighted and articles about achievements, scholarships, apprenticeships, etc. will be shared.

Other publications and materials include a curriculum called *Blue Sky Beneath My Feet* produced in partnership with NASA in the mid-1980's. The material includes three video segments on Food, Fibers, and Forces along with printed support material. This material may be obtained from the National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, (301) 961-2934.

4-H Aerospace Education Programs

Individual state 4-H programs also produce various items including leader guides, member manuals, and conduct camp programs and school enrichment type programs related to aerospace. Some of these efforts will be described in SKYLIGHTS from time to time or one may contact us directly for more information.

Individuals and organizations are invited to contact 4-H if there is an interest in youth becoming more involved with and aware of aviation and space education opportunities through 4-H. Partners in this effort are very important and your assistance and support is very much needed.

SKYLIGHTS will be produced at Auburn University under the direction of Dr. Tony Cook, National Project Coordinator for 4-H Aerospace Programs. Organizations who share our interests and who would like to discuss collaborative efforts on a regional or national basis may contact Dr. Cook. Locally, contact may begin with the County Extension Office.

Contributions towards the content of SKYLIGHTS such as success stories, resources to share, programs to highlight, etc. may be shared by contacting: Dr. Tony Cook, National Project Coordinator, 4-H Aerospace Education Programs, 211 Duncan Hall - ACES, Auburn University, AL 36849-5620, (205)844-2233 or FAX (205) 844-9650.

Helicopter Association



International (HAI)

1992 Helicopter Annual

A comprehensive reference guide for the civil helicopter industry. The Helicopter Annual includes helicopter specifications, industry statistics, HAI membership directories by class and geographical matrix, listings of international civil aviation contacts, key FAA regional & headquarters contacts, aviation periodicals, association committees, and more. Price: First copy free to HAI members, additional copies \$20; \$40 to non-members. Shipping and handling \$3 within the US; \$5 International. (order #101)

Rotor Magazine

A quarterly magazine dedicated exclusively to the civil helicopter industry, ROTOR contains news and features on the civil helicopter industry. It covers pertinent helicopter operational, safety and regulatory issues, including an FAA Administrator's question & answer column, legislative and lobbying issues, and HAI committee and member activities. Price: Subscription to ROTOR is included in membership dues. Within the US, non-member subscriptions are \$15 per year, or \$25 for a two year subscription. Outside the US, \$25 per year or \$42 for a two year subscription. Shipping & handling charges included. (order 4102)

Flight (Fundamental Lessons in General Helicopter Technology)

Video tape, narrated by Cliff Robertson, that describes the history, development and future of the helicopter industry. This video tape accompanied by "teacher friendly" instructional materials will provide a 3 to 10 day unit of instruction at the middle or high school level. Many employment opportunities and basic preparation requirements are outlined in the FLIGHT presentation.

HeliHound Program

The HeliHound Program is aimed at achieving aviation awareness among children enrolled in kindergarten through early elementary school grades. This booklet can provide educators with a unique and interesting curriculum to expose children to the world of vertical flight. The use of the HeliHound character combined with the program curriculum will fascinate and inspire children, while opening the door to opportunities they might otherwise overlook.

Fly Neighborly Guide, Pocket Guide & Decal

An outline of HAI's Fly Neighborly Program, a voluntary sound-reduction program designed to integrate helicopter operations into the community, this guide actively addresses noise abatement and public acceptance of the helicopter as well as serving as an important pilot training tool. HAI is pleased to distribute single copies of the Fly Neighborly Guide free of charge as an industry service. Shipping & handling \$2 within the US; \$4 International. (order #108)

HAI

Helicopter Users' Guide

An information booklet designed to answer the questions most commonly asked by those employing helicopter services for the first time. Developed by HAI's Safety Committee, the Helicopter Users' Guide provides basics on helicopter aero dynamics, helicopter maintenance, factors affecting performance and safety guidance for passengers and support personnel to ensure a safe and efficient flight. Price: HAI members \$1 each; non-members \$2 each. For 100 copies, \$50 to members; non-members \$75. Shipping & handling for 100 copies, \$2 US; \$15 International. Price may change. (order #109)

Heliport Director

A Heliport Directory serving the helicopter industry, this publication includes 400 pages of EMS and State Heliports in the United States, Virgin Islands and Puerto Rico. The information contains a full location of all heliports including latitude and longitude, public use/private use designation, attended/unattended information and whether the facility is lighted or not. The directory is conveniently encased in a three-ring binder. The listings are updated each year. (1990, 400 pages) Price: Members: \$35; Non-members: \$50 Refills/updates: \$25. (order #111)

Holding Onto Revenue

This 16 page guide was developed by HAI's Economics Committee to help operators recognize basic business skills required for successful commercial helicopter operations. Price: HAI Member \$5; Non-member \$8. (order #112)

HAI Publications

Interim Guidance For Conducting In-depth (Part 135) Inspections

This document is FAA's National Aviation Inspection Program Guidance to Field Offices (FSCOs). Price: HAI members \$10; non-members \$15. Shipping & handling is included in the price. (order #113)

Guide For The Presentation Of Helicopter Operation Cost Estimates

A comprehensive, standardized guide to airframe and engine manufacturer operating cost estimates to assist helicopter operators to project, track and record direct and indirect operating expenses. Published by Aerospace Industries Association of America in cooperation with HAI. (1987, 36 pgs.) Price: \$7.00. (order #114)

Helicopter Safety Reference Guide

The Helicopter Safety Reference Guide, 160 pgs., is sold separately: \$20 for members; \$30 non-members, while supplies last. Shipping & handling \$3 within the US; \$5 international. (order #116)

HAI

Technical Reports and Papers

FAA Helicopter Abstracts and Bibliography

This publication contains executive summaries, or abstracts, from technical reports and documents on operations completed by the FAA in the last 25 years. It provides an excellent background for people and companies interested in a quick review of advancements in helicopter technology. (1986, 105 pgs.) Price: HAI members \$15; non-members \$25. Shipping & handling \$3 within the US; \$5 International. (order #118)

Community Rotorcraft Transportation Benefits & Opportunities

A comprehensive report to assist planners in assessing and planning for the use of rotorcraft transportation in their communities, it also provides information based on the proceedings of the Monterey Conference on Rotocraft and Commuter Transportation, helicopter research, economic opportunities and benefits. Published in coordination with NASA and the American Planning Association. (180 pgs.) Price : HAI members \$10; non-members \$25. Shipping & handling \$3 within the US; \$5 International. (order #119)

International Association of Machinists and Aerospace Workers (IAMAW)



The International Association of Machinists and Aerospace Workers offers a number of scholarships to union workers and their families on the national and local level.

IAMAW is currently participating in the National Coalition for Aviation Education and offers guidance to anyone interested in the profession.

National Aeronautic



Association (NAA)

The National Aeronautic Association's aviation education programs primarily support the affiliated sport and other organizations.

The NAA is the designated United States member organization in the Federation Aeronautique Internationale and has an active role in the FM Education Committee.

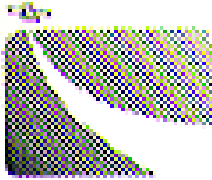
NAA in cooperation with the FAA and NASAO sponsors the U.S. participation in the annual young people's International Aviation Art Contest.

NAA is the custodian and administrator for the national Frank G. Brewer Trophy which is awarded annually for the outstanding contribution to aviation/space education.

NAA conducts a semi-annual awards activity to recognize aviation records and other accomplishments including the aviation education field.

It is hoped that NAA will be able to expand its aviation education activities, but the focus will continue to be in a supportive mode and especially encourage research in aviation education.

National Agricultural Aviation Association (NAAA)



The NAAA is a national association of agricultural aviators who use aircraft to enhance this nation's food and fiber production, protect our forest resources, and control health limiting pests. The purpose of NAAA is to coordinate and generally direct the efforts of the agricultural aviation industry on a national basis. Organized in 1967, the NAAA represents over 1,200 members.

NAAA Activities

Annual Convention & Trade Show

This convention provides a national program to address aviation and issues affecting the aerial application of pesticides.

Education Programs

- A. Operation S.A.F.E.--The Self-regulated Application and Flight Efficiency program was organized to determine the exact spray pattern of a specific configuration of application equipment on a plane. It is designed to improve the professionalism and performance of the industry.
- B. Classroom Curriculum--Under the guidance of the Women's National Agricultural Aviation Association (WNAAA), the program is directed toward increasing the knowledge of elementary and secondary students regarding aviation and the use of aircraft in food and fiber production. Teacher curriculum guides and classroom materials are provided.
- C. Video Library
 - 1. *The Aerial Applicators Growing Role in the Production of Safe Food* depicts the use of aircraft in food production.
 - 2. *Agriculture's AirForce* describes the use of aircraft in aerial application and other uses benefiting agriculture and forestry.
 - 3. *Emergency Response to Pesticide Spill Accidents* is a video for emergency rescue training to facilitate the rescue of a pilot from a downed agricultural aircraft.

The National Agricultural Aviation Research and Education Foundation

NAAREF, founded in 1982, fosters research regarding aerial application technology and promotes education regarding the use of aircraft in agriculture.

Publications

Agricultural Aviation is a magazine dedicated to the agricultural aviation industry. Ten issues are published annually with industry-wide dissemination.

NAAA Newsletter is a monthly newsletter for members, providing an update of legislative and regulatory issues.



Learn to Fly (LTF)

Mission

To promote and expand the market for general aviation products and services by increasing the number of new student pilot starts and by reactivating existing pilots. LTF's promotional message focuses on the adventure and challenge of learning to fly, and the practicality of using general aviation. LTF uses its resources to promote directly to the potential pilot, provide interested prospects access to information on how to go about learning to fly, and assist our members in capturing and retaining prospective students.

LTF is a non profit organization operating on behalf of the general aviation industry to foster overall growth and improve the sales and marketing skills of flight training service providers.

Learn to Fly Objectives

- Stimulate interest in learning to fly among education people with discretionary income with messages that will make them aware of the adventure of flying and the practicality of aviation.
- Provide interest prospects with fast and easy access to information on how to go about learning to fly.
- Assist LTF members in capturing and retaining prospective students.

To accomplish these objectives, we offer LTF members a very practical plan:

- Continuation of the 1 800 I CAN FLY telephone program that receives calls from prospective student pilots nationwide. Each caller receives an information packet on learning to fly, the benefits of general aviation, and a listing of local flight schools.
- Distribution of the name, address, phone number and age of the prospective student pilot to LTF members (or TeamMates).
- Development of a national advertising campaign supported on a pro-bono basis by industry trade publications--gradually moving into more targeted publications.
- Low-cost, regional sales & marketing workshops aimed at flight training providers.
- Supply TeamMates with marketing/promotional materials.

NATF was founded to meet the charitable, scientific, and educational needs of the aviation service industry. In 1989, NATF established the Pioneers of flight Scholarship Program to offer financial assistance and encouragement to young people in the pursuit of academic excellence. By making scholarship grants available, NATF's ultimate goal is to foster and promote careers in the aviation service industry.

National Air Transportation Foundation (NATF)

The Pioneers of Flight Scholarship

Up to four grants of \$2,500 will be awarded to those who:

- are nominated by an NATA Regular or Associate Member company.
- are college students in the sophomore or junior year at the time of application intending to pursue full-time study at an accredited four-year college or university.
- demonstrate an interest in pursuing a career in general aviation.

The John E. Godwin, Jr., Memorial Scholarship Fund

The Godwin Fund scholarship award is \$2,500 and is to be used for flight training for any certificate an/or flight rating issued by the FAA, at any NATA Member company offering flight training. Eligible applicants must:

- be in active pursuit of training for their license and/or rating.
- must accumulate a minimum of fifteen (15) dual or solo flight hours each calendar month.
- must receive a log book endorsement from the Chief Flight Instructor certifying satisfactory achievement for each training stage check.

For more information on NATA's Learn to Fly Program or NATF's Scholarship Program, call Ann W. Devers at (808) 808-NATA.

National Association of



State Aviation Officials

and the

Center for Aviation Research and Education

The Center for Aviation Research and Education serves the developmental needs of the nation and the states in the areas of aviation education and research. As with local, regional and federal governments and the private sector, the states play an integral role in the national air transportation system. The state provides aviation programs and services by planning, developing and providing funding for airports, navigational aids, air service needs, aviation weather systems, safety programs and efficient airspace use. The Center coordinates a multitude of state aviation services and programs.

The Center's major programs include the following:

National AVED Network

Regional aviation education subcommittees have been developed to further the goals of aviation education. Coordinators from each state meet periodically within their respective regions to discuss current programs and recommend goals and objectives to be considered for implementation at the national level.

International Aviation Art Contest

The International Art Contest, an event of the Federation Aeronautique Internationale (FAI), is cosponsored by the Center for Aviation Research and Education, the National Aeronautics Association (NAA), and the FAA. The art contest encourages youth, from ages 5-16, from all over the world to reflect on aviation by having them illustrate a different aviation theme each year.

National Aviation Education Week

The Center continues to work on obtaining a joint resolution from Congress declaring the second week of October as National Aviation Education Week. This designation will augment the programs of the 23 states that already recognize an Aviation Education Week and encourage others to participate. States and other organizations are encouraged to schedule aviation events and educational programs during that week to highlight aviation.

Project Air Bear Educational Programs

Project Air Bear is an aviation education program for kindergarten through third-grade level children. Its aim is to promote early childhood aviation interest and awareness. The program makes learning about airplanes fun through the use of a costumed "Air Bear," a national aviation mascot who is a guide and companion to groups of young children as they learn about aviation. It can introduce the children to exciting career choices, stimulate an early interest in reading, science, or math, as well as eliminate the child's fears about flying. Project Air Bear is cosponsored by the Center for Aviation Research and Education, FAA, the Ninety-Nines, and the Illinois Division of Aeronautics. Each of the cosponsoring organizations designate a representative to serve as a member of the Air Bear Council and to act in an advisory capacity for the operation of the project.

National Aviation Exploring Committee



The National Aviation Exploring Committee is a group of aviation industry leaders who advise the Boy Scouts of America's Aviation Exploring program.

Exploring is the branch of the Boy Scouts of America for young women and men ages 14 through 20. Exploring is divided into different groups by career interest, such as aviation. Aviation Exploring focuses on exposing youth to careers in aviation.

Aviation Exploring Posts can be sponsored by aircraft maintenance facilities, aircraft manufacturers, airlines, avionics shops, Civil Air Patrol Squadrons, corporate flight departments, Experimental Aircraft Association Chapters, FAA control towers, FBO's, flight training schools, soaring clubs or any other aviation organization.

For information on how to start your own Aviation Exploring Post, contact:

Bill Evans
Associate Director of Exploring
Boy Scouts of America
P.O. Box 152079
Irving, TX 75015
(214) 580-2427 / Fax: (214) 580-7894

National Business



NATIONAL BUSINESS AIRCRAFT
ASSOCIATION, INC.

Aircraft Association (NBAA)

NBAA has a long history of active participation in aviation education through involvement with such organizations as the University Aviation Association (UAA), the National Intercollegiate Flying Association (NIFA) and the FAA.

NBAA staff have served as members of the **UAA Board of Trustees** and are now currently on the Board. In addition, each year UAA hosts its fall meeting in conjunction with the NBAA Annual Meeting & Convention. Each year, NBAA and UAA host an **aviation student seminar** at the Annual Meeting & Convention where industry and government officials give students an insight into the industry and job opportunities.

The Association also sponsors an annual scholarship program which provides ten \$500 scholarships to students studying aviation-related curricula at colleges which are UAA and NBAA members. Applicants must be a college sophomore, junior or senior continuing in school the following year, and must submit a brief essay describing their interest in an aviation career. These scholarships are awarded in January.

At the annual **NIFA SAFECON** (Safety Conference), NBAA sponsors the Flying Events Team Champions trophy for the flight team scoring the greatest number of points in the flying events categories.

NBAA is also a sponsor of the annual **Women in Aviation Conference** and a sponsor of the **FAA's Special Awards Program** for the International Science and Engineering Fair. As well, NBAA staff serve on the selection committee for the national **Brewer Aviation Education Award** presented each year by the National Aeronautics Association at the National Congress on Aviation and Space Education. The Association is a sponsor of the **Aero Club of Washington/National Air and Space Museum Summer Jobs Program** and supports the aviation education efforts of the Aero Club of Washington.

NBAA Materials

NBAA Business Aviation Fact Book

The NBAA Business Aviation Fact Book is a compilation of statistics directly related to business aviation gathered from NBAA surveys, the FAA and other outside data sources. Available free upon request.

NBAA: The Voice of Business Aviation

Explains who and what NBAA represents and briefly explains business aviation. Available free upon request.

"Business Aviation...America's Business Advantage for the 90's and Beyond"

This twelve minute video presentation shows the varied benefits of business aviation. The economic and time-saving advantages are discussed, with statistics given to emphasize the "edge" that business aviation provides. This VHS video is suitable for civic, community, student and other groups with an interest in business aviation. \$9.95 each.

OPPORTUNITY SKYWAY



Founded in 1990 in Maryland, OPPORTUNITY SKYWAY, Inc. is a hands-on, experiential drop-out prevention and career development program which operates twelve months a year in 30 schools in seven states and is expanding rapidly across the nation. It focuses chiefly but not exclusively on preparing minority and disadvantaged youngsters for a broad range of careers in aeronautics and intermodal transportation. It motivates students to stay in school, relate curriculum to work, and focus on a career of choice. It provides school-to-work programs and enables academically qualified students who lack financial resources to move on to two-year technical schools and four-year degree programs.

OPPORTUNITY SKYWAY'S secondary school programs function through OPPORTUNITY SKYWAY Clubs, which organize orientation flights, tours of aeronautic and transportation facilities, schedule role-model speakers, hold career days, and prepare members for summer private pilot ground schools. Summer students who pass the FAA written examination are awarded start-up flying instruction. Private pilot ground school is also provided for teachers who serve as OPPORTUNITY SKYWAY coordinators in their respective schools.

OPPORTUNITY SKYWAY programs are designed by school administrators and teachers and vary school to school. Some have aviation courses and even teach students to fly while in high school. Most use aeronautic illustrations in the classroom to help teach math, science, history, geography, English and other subjects. Performing arts are employed to bring history alive and improve students' vocabulary, poise, and self-confidence.

OPPORTUNITY SKYWAY's formal partners help to organize and sustain affiliate programs across the nation. They include: the Federal Aviation Administration; Aircraft Electronics Association, Aircraft Owners and Pilots Association; National Association of State Aviation Officials; Tuskegee Airmen, Inc., Organization of Black Airline Pilots; National Association of Private Industry Councils, National Association of Workforce Development Professionals, Negro Airmen International, and the Air Force Association.

OPPORTUNITY SKYWAY students are now in colleges, technical schools, the military services, and the workplace.

Programs begin in the elementary schools with awareness raising activities, continue in middle schools with transitional development, orientation flights and tours, and focus the students in high school on career choices in aeronautics and intermodal transportation.

OPPORTUNITY SKYWAY has a close working relationship with the National Center for Aviation and Transportation at Dowling College on Long Island, New York.

The goal is to develop an OPPORTUNITY SKYWAY affiliate in every state.

Teacher materials include curriculums, guides, instruction for starting an OPPORTUNITY SKYWAY Club, an affiliate agreement for discussion with school administrators, a brochure and a comprehensive newsletter published quarterly.

Write: OPPORTUNITY SKYWAY, Inc.
6709 Cpl. Frank S. Scott Drive
College Park, Maryland 20740
(301) 864-0673
Fax: (301) 864-0849

Professional Aviation



Maintenance Association (PAMA)

PAMA's Purpose

The purpose of this association is to promote a high degree of professional among aviation maintenance personnel. To foster and improve methods, skills, learning, and achievement in the field of aviation maintenance; to conduct national, state and local meetings and seminars; to recognize achievements in the field of aviation maintenance; to publish, distribute, and disseminate news, technical bulletins, journals, and other appropriate publications dealing with the trade of aviation maintenance; to collaborate with other organizations in aviation in the queries of governmental agencies pertaining to maintenance rules and guidelines.

Founded in 1972, PAMA maintains its status and initial charter as a nonprofit, nonpartisan, non sectarian and nonunion organization. PAMA stands today as the only truly national, professional association featuring education, information and representation from the Aviation Maintenance Technician and the industry that supports them. As an organization, PAMA continues to represent its members professionally with pride, dedication and honest concern.

PAMA Members hold important industry advantages over nonmembers including: Continued education through local and national seminars and technical symposiums. All the latest technical and industry information which makes PAMA members the best-informed in the world. And, representation within all other related segments of industry as well as in the legislative sector of Washington, D.C.

PAMA Annual Maintenance and Trade Show

Held annually in various cities, this gathering of manufacturers, vendors, regulatory representatives and your "Technical Peers" presents a vehicle for idea exchange and education. This is your opportunity as an aviation technician to review new products, technical procedures, safety suggestions, and management techniques.

PAMA, in conjunction with the Aviation Technician Education Council (ATEC), produces a number of career guidance and educational materials:

Your Career in Aviation Maintenance - A booklet designed to guide prospective entrants into the field of aviation maintenance whether junior high or high school students, guidance counselors, or ex-military personnel. The Association also provides specific information on schools (FAR Part 147-approved).

PAMA NEWS - Monthly news magazine distributed to 6,500 aviation maintenance professionals. Brings news of the industry, Washington, DC activities, and the PAMA association updates to its members.

The Association offers guidance to anyone interested in any aspect of this profession and continues to respond to all inquiries. PAMA collaborates with all other aviation associations, FAA, foreign groups and regulatory authorities in the pursuit of its purpose.

PAMA Scholarship Program - Created to recognize and reward qualified (A&P) students throughout the nation. Those eligible for the scholarship include PAMA Chapters, institutions with A&P programs and students currently enrolled in an A&P program.

PAMA

PAMA CareerQuest Scholarship Program - Created to recognize qualified students pursuing A&P certification through an FAA Part 147 Aviation Maintenance School. Awards are determined yearly based on available funds.

VICA - PAMA donates 6 scholarships each year to the winners of the national VICA competition.

Soaring Society of America (SSA)



Founded in 1932 by a small group of motorless flight enthusiasts, SSA went from 1,000 to 16,000 members in the 1960s and 1970s. Today, SSA members enjoy perfected gliders (sailplanes) and soaring techniques (ridge, thermal, wave), while earning simple FM glider licenses in certified aircraft.

Sailplane flying sells the public on aviation. It is quiet and natural. The aircraft are nicely streamlined and amazingly efficient. The necessary towing and retrieving is very social. Soaring is flight for adventure and achievement.

Gliders have always given youth an easy entry into the ranks of pilots. In 1937, 22% of SSA clubs were college clubs. In 1969, 18% of SSA members were under age 23. The minimum age to solo a glider is 14. It can be done in 10 days for \$600.

General Resources

Free Education Materials are available on request from the SSA Office, PO Box E, Hobbs, NM 88241 (at Hobbs Industrial Airpark). (505)392-1177.

- How You Can Become a Glider Pilot (illustrated brochure)
- Come Soar With Us, We're SSA (membership benefits, FAA licenses)
- Soaring Fact Sheet (pilot & plane stats, World records, FM licenses...)
- Glossary of Soaring Terminology (glide ratio, wave lift, ...)
- Sample issue of monthly SOARING magazine (Library subscriptions \$30/yr).
- SSA Directory of Soaring Sites (over 200 nationwide)
- SSA merchandise catalog (books, posters, videos, ...)

Computer links: SSA BBS, (513)871-7720. RESCO Soaring Information Exchange, (310)597-3292. [Modem, 9600/8/N/1] . Internet Newsgroup: rec.aviation.soaring

SSA supplies soaring businesses with numerous training materials such as the *Soaring Flight Manual* (basis of FAA written tests) or the *Joy of Soaring*:

- **SPORTY'S PILOT SHOP** sells SSA membership package deals: Call 1-800-LIFTOFF. Their 1-800-I-CAN-FLY service quotes glider flight school locations.
- **KNAUFF & GROVE SOARING SUPPLIES** deals everything in soaring from their own basic texts to the latest Schempp-Hirth sailplanes. 1-800-888-SOAR.
- **SOARING ADVENTURES OF AMERICA** sells Soaring in America (booklet) and Pure Flight (video) at teacher discounts. Rides, too. 1-800-SOARING.

An Air Sport Organization, SSA promotes badges, records, and contests. Plan a spectator visit to any of the 5 National or 12 Regional summer contests. (See 50 towed up in an hour. Watch them swoop in from 3hr, 200mi flights).

SSA

Many Special Interest Soaring Groups are affiliated with SSA, offering their own literature, workshops, etc. See SOARING masthead for contact addresses.

- **SSA AFFILIATES:** National Soaring Foundation (soaring operator at Hobbs Airpark), National Soaring Museum, Collegiate Soaring Association.
- **SSA DIVISIONS:** Vintage Sailplane, Sailplane Homebuilders, Women Soaring Pilots, Self-Launching Sailplane Pilots, 1-26 Association (an aircraft type club).

The National Soaring Museum exquisitely showcases over 100 years of USA gliding in Elmira, NY (Rte. 17, exit 51). (607)734-3128. Many full-scale restorations on display. Hourly film showings. Glider rides available on site from Harris Hill Soaring Corp. School groups welcome. Home of SSA film library (soon on video).

Youth Soaring Programs

The Collegiate Soaring Association promotes soaring as a college sport. CSA helps start new clubs, sanctions intercollegiate contests, and promotes college aviation education using gliders. 909 Logan #11H, Denver, CO 80203. (303) 860-0485. Publications: Collegiate Soaring Association (brochure, roster), Contest rules. Tips on starting a club, COLLEGE SOARING newsletter.

The SSA Youth Committee can be reached at the same address as CSA. Programs: USA Junior Team, selected to attend the European Junior Gliding Championships every two years (brochure). Camps and Contests. Scholarships.

EAA Young Eagles (ages 8-17) can join the "Eagle Flight" via a free ride in a glider. SSA was the first air sport group to ink a support agreement. Any rated, insured-and generous-SSA member can give the ride (brochures, guidelines).

Aviation Exploring, a Boy Scouts of America program for young men and women, is ideally served by soaring. SSA is one of three BSA advisory groups (with FAA and American Airlines), representing Air Sport. SSA can help find a Post sponsor.

Civil Air Patrol makes use of glider encampments in their Cadet program. SSA can help arrange such an experience with a Club/FBO and awards free "A" (solo) badges to successful campers. Gliders can also be used in CAP orientation flights.

The USAF Academy has the largest glider training program in the world, in which most of the sophomore class is sent solo every year. The Air Force finds gliding ideal as a flight and leadership laboratory. Cadet teams do well in SSA contests.

Academic Scholarships (to be spent on school fees) are:

- KOLSTAD. \$ 1,200. SSA Century I or FAI Silver Badge pilots.
- WOMEN'S SKYGHOST. \$ 400. Chosen at Women's Soaring Seminar.

Flight Scholarships (to be spent on soaring expenses) are:

- CADET. \$ 600. Essay and desire alone. Ages 14-22, non-solo.
- BULTMAN. \$ 600. Soaring Club/FBO work and desire. Ages 1~22.
- ANNE BRIEGLER. \$ 400. Chosen at Women's Soaring Seminar.

Numerous Soaring Clubs offer one or two free youth memberships.

University Aviation Association (UAA)



Working through its officers, trustees, committees and professional staff, UAA represents all levels of the non-engineering technology element in collegiate aviation education. With a membership of 600 individuals, institutions and corporations, UAA plays a vital role in collegiate aviation and the aviation industry.

UAA Publications

Collegiate Aviation Guide. The guide is the result of two years of research and identifies regionally accredited colleges and universities with aviation offerings ranging from academic completion certificates and associate degrees to graduate programs. The directory contains over 280 institutions in 40 states, the District of Columbia, Puerto Rico and Canada. Institutions are listed alphabetically by state and include the name, address, and telephone number of the contact person at each institution. Member Price: \$9.95; Non-member Price: \$19.95 (\$3.00 S&H).

Collegiate Aviation Scholarship Listing. The directory lists types of financial aid, methods for applying for general purpose aid and a listing of aviation scholarships arranged by broad classification. Member Price: \$4.95; Non-member Price: \$9.95 (\$3.00 S&H).

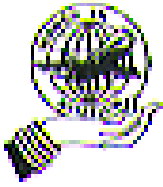
Other Publications. Other UAA publications include a bi-monthly newsletter, professional paper proceedings, survey results on various topics, and numerous others. A complete listing of these publications is available upon request.

Scholarships

The Joseph Frasca Excellence in Aviation Scholarships. These scholarships are awarded annually to student pilots and mechanics for excellence in activities, studies, events, organizations, etc., related to aviation. Other criteria also applies.

Other Scholarships. The University Aviation Association also administers scholarships for several other aviation organizations and corporations. See Collegiate Aviation Scholarship Listing above.

Women in Aviation, International (WAI)



Women in Aviation, International provides educational outreach programs to educators, aviation industry members and young people nationwide.

Annual International Conference

The annual international conference, held each year in March, brings together men and women from all segments of the aviation industry and all related professions. The conference includes professional growth and development opportunities for current and future professionals. Each year the conference also includes the following activities:

- *Teacher Workshop:* Local educators in a 100 mile radius of the conference site are invited to attend a half day workshop. The workshop includes information, resources, and activities focusing on implementing aviation education in the classroom, with a special emphasis on the inclusion of women's contributions to this field.
- *School Visit Program:* Local schools in the vicinity of the conference location are asked if they would like to have conference participants who have volunteered to visit their classrooms and talk about their career experiences in aviation. The visitors include the spectrum of women pilots, maintenance technicians, air traffic controllers, airport managers, and astronauts, to name a few.

Women in Aviation On-Line

An on-line service provided through CompuServe, Women in Aviation On-Line provides a forum for open exchanges with women professionals in aviation; information on current activities, research opportunities and initiatives; bibliographic information, and historical information on women's contributions to aviation.

Women in Aviation Magazine

The organization's written communication vehicle, this quarterly publication provides stories on both current and historical women in aviation.

Sponsorships

Women in Aviation, International provides a representative to serve on the selection committee for the national ***Brewer Aviation Education Award*** presented each year by the National Aeronautics Association at the National Congress on Aviation and Space Education.

For more information about Women in Aviation, International, contact Dr. Peggy Baty, WAI, P.O. Box 1001, Columbia, IL 62236.

Federal Aviation



Administration (FAA)

Federal Information Exchange (FEDIX)

FEDIX is an on-line computer-based information service that links the education community and the federal government to educational information services. FEDIX provides a complete agency organizational and program profile for university administrators, professors, teachers and students. Information on aviation education programs and resources available from FAA headquarters, regions, centers, and facilities may be included in the database. Details on aviation education initiatives of aviation industry and special interest groups are also available. FEDIX is linked to the Minority On-Line Information System (MOLIS) which features current data on all Historically Black Colleges & Universities and other minority educational institutions. FEDIX currently has 22,000 users, and 2,000 new users each month.

FAA Aviation Education Volunteer Counselor Program

FAA selects, provides orientation, and appoints volunteer resource personnel to coordinate with headquarters, region and center aviation education officers to implement FAA aviation education programs. FAA volunteers are designated as official Aviation Education Counselors. The counselors assist FAA in promoting aviation education and fostering a wider knowledge, and better understanding of FAA, the National Airspace System, and civil aviation in America.

Government-Industry-Education Partnerships

Partnerships increase public awareness and enhancement of the role of aviation, and support aviation education programs at all levels of the educational system. These private sector/public or government education partnerships are increasingly important as we move toward achievement of the President's goals for education. Each partnership yields additional resources to support mutual aviation program initiatives. FAA will assist in the development of the Air Bear program with NASAO as a national mascot for aviation education. Selected publications are also developed and distributed to the Aviation Education Resource Centers.

For additional information on these programs contact your FAA Regional Aviation Education Representative.



National Coalition for Aviation Education (NCAE)
P.O. Box 28068
Washington, DC 20038