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SCSU FLIGHTLINES

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ENROLLMENTS EXPECTED TO TOP 500

Aviation program enrollments are expected to exceed 500 students during the 1992-93 academic year. This represents an increase of 100 over 1991-92 enrollments. It appears that Aviation at SCSU, long one of Minnesota's best kept secrets, has become the program of choice for increasing numbers of students interested in aviation careers. SCSU offers the state's only bachelor's degree Aviation program. Forty percent of current Aviation majors are in Professional Flight; 27.6 percent in Operations and 32.4 percent in Management. Program graduates have increased, too, with 18 in 1990, 23 in 1991 and 50 in 1992. Almost 100 students are expected to graduate in 1992-93. While the number of women students has increased, they represent only 10 percent of the total aviation students. Program faculty are committed to increasing this percentage.

A Graduate Placement Survey conducted in Spring, 1992, indicated that 71 percent of responding Aviation graduates are employed in the aviation industry, primarily in flight positions. Other aviation careers represented by graduates include air traffic control, airport and airline management, education and aviation-related consulting. The survey attempted to contact those graduates who minored in aviation prior to 1988 as well as Aviation program majors and minors graduating after that date. Graduates who did not receive the survey due to address changes should contact the Aviation faculty.

SCHOLARSHIPS FOR AFRICAN AMERICANS

Northwest Airlines has announced two scholarships for Minneapolis-St. Paul Area African Americans to attend SCSU's Aviation program, Professional Flight emphasis. One scholarship will be awarded in 1993 for enrollment in Fall 1993, and the second for the 1994-95 school year.

FACULTY

Steve Anderson, MBA; FAA Ratings: Commercial, SEL, MEL, Instrument, CFI, CFII & MEI. Teaches Ground School, Advanced Aerodynamics & Air Transportation.

Patrick Mattson, M.S. Administration; FAA Certificates: CTO, Air Traffic Control and Ground School Instructor. Teaches Air Traffic Control, Management, Air Transportation & Women in Aviation.

Ken Raiber, M.S. Special Studies, Aviation; FAA Ratings: Commercial, SEL, SES, MEL, Instrument, CFI, CFII, MEI & Glider. FAA designated Written and Pilot Examiner. Teaches

Ground Schools, & supervises all flight training.

Hope Bouvette Thornberg, Ph.D. Education; FAA Ratings: Commercial, SEL, MEL, Instrument, CFI, CFII, MEI. Teaches Ground School & Women in Aviation.

In addition to the Aviation fulltime faculty several specialized courses are taught by the following individuals: John Carter, Ed.D., Dept. of Industrial Studies, Introduction to Aviation, James Hoolihan, J.D., Aviation Law; Bruce Jaeger, General Aviation Management; Sherwood Knick, ATP, TurboJet Flight Engineer; Don Meier, ATP, Basic Flight Engineer; Tom Schellinger, ATP, Airline Management and Dave Van Nostrand, M.D., Aviation Physiology.

F A C U L T Y N E W S

Dr. Hope Thornberg will present a research paper at the University Aviation Association's Fall Conference in September. The paper, "Relationships Between Technically-Oriented Secondary School Courses and a College Private Pilot Ground School," was one of five accepted for the conference. Patrick Mattson was co-author along with statistician, Robert Isaacson.

An article describing the course, "Women in Aviation," (TECH 105) will be published in the September-October issue of Women in Aviation. Thornberg and Mattson were asked to write the article by the magazine's editor. SCSU is the first college in the nation to offer a course focusing on the role and contributions of women in aviation.

Patrick Mattson presented a paper titled "Controlling Our Destiny: Air Traffic Control Standards," at the Third Annual Minnesota Transportation Conference last May. He was assisted by Rick Blenkush, Winter 92 graduate and Dave DeMars, Management student.

Ken Raiber completed a full year sabbatical at Schwan's in Marshall, MN during the 1990-91 school year. He gained valuable experience in the area of general aviation commercial operations along with several hundred hours of flight time.

AVIATION PROGRAM ACCREDITATION

Ken Raiber and Pat Mattson attended the all-day meeting of the Council on Aviation Accreditation (CAA) on August 9, 1992 held at Northwest Airlines in Minneapolis. SCSU was among the first six university aviation programs to apply for accreditation. The self-study will be conducted during the 1992-93 academic year with an evaluation by CAA

appointed site visitors to follow. At this time, only 4-year aviation programs are eligible for accreditation.

W O M E N I N A V I A T I O N

Women in aviation have acquired a new prominence on the SCSU campus with the introduction of the course, "Women in Aviation," during the 1991-92 academic year. The course is team-taught by Hope Thornberg and Pat Mattson. This delivery allows use of the diverse backgrounds and strengths of the two professors and encourages open discussion of historical and contemporary cultural and societal issues which have had significant impact upon women's role in aviation. The course focuses on individual women and groups of women in early and contemporary aviation throughout the world. This multi-culture, multi-gender general education course has had full enrollments with increasing numbers of non-aviation students.

A V I A T I O N A D V I S O R Y B O A R D

Seventeen aviation industry representatives comprise the Advisory Board to the Aviation program. The Board was formed in 1982 to assist in the development of SCSU's Aviation major and Airway Science curriculum and has made it possible for the Aviation program to respond more appropriately to industry needs. The contributions of the members are greatly appreciated! This newsletter was recommended by the Board and will be published twice each year. The Board, under the leadership of Andrew Detroi (FAA retired), is currently developing its Mission Statement. Other Board members are: Brian Addis, Wings, Inc.; Eugene Buboltz, Express Airline One, Inc.; Jeff Hamiel, Metropolitan Airports Commission; Gordon Hoff, MNDOT Div. of Aeronautics; Susan Holm, Northwest Airlines; Al Lange, Beech Aircraft; Rich Lawrence, Mesaba Airlines; Terry Marsh, Buffalo Aviation & Northwest Airlines; Dale Palmer, Northwest Airlines (retired); Ray Rought, MNDOT Div. of Aeronautics; Pat Samuel, SCSU Women Studies Program; Tom Schellinger, Northwest Airlines (retired); Kathy Thompson, FAA Flight Standards District Office; Jimmie Walker, FAA - Minneapolis ARTCC; Russ Watson, Cessna Aircraft; Robert Younggren, Northwest Airlines (retired).

L I N E O R I E N T E D F L I G H T T R A I N I N G (L O F T)

The addition of a LOFT component to the commercial flight program will emphasize crew coordination and standardization procedures. The training consists of approximately 25 hours in the ATC 810 simulator and includes single pilot as well as dual operations. Refinements are being made in other flight courses with an emphasis on detailed syllabi and standardization to better serve students and the industry as the Aviation program continues to grow.

N A T C O 7 4 7 S I M U L A T O R E X P E R I E N C E

Instrument-rated Aviation students may participate in a four-hour 747 simulator orientation experience at Northwest Airlines Training Corporation, Eagan, MN. The experience

includes an expanded briefing, orientation to the flight engineer panel, observation and two hours of flying which may be logged. The instructor is Captain Dale Palmer. A 747 Simulator Scholarship Fund has been established to assist qualified students who otherwise could not afford the experience. Contributions may be made to the SCSU Foundation, 747 Simulator Scholarship.

S T U D E N T S E A R N N A T I O N A L H O N O R S

Earl Burress and Krysta Strom, Professional Flight students, were awarded \$2,500 renewable Pioneers of Flight Scholarships by the National Air Transportation Association in 1992. In 1991, Laurie Johnson, Operations won this award. Only four students are chosen nationwide each year to receive this scholarship.

David Boyer, Aviation Management, was awarded a \$1,000 National Scholarship by the American Association of Airport Executives (AAAE) in 1992. In 1991, Maryann Ziwicki, Aviation Management, received this award. Each year, many students apply for these awards but only ten are selected.

Patricia Roetzler, Operations and Laurie Olson, Aviation minor, were selected out of 40 applicants nationally to participate in the U.S. Department of Transportation's National Intern Program for Diverse Groups. Only 15 persons were chosen for this designation which carries a \$3,500 stipend. The summer program included time in Washington, D.C., Baltimore, Chicago, San Francisco, Seattle and Minneapolis.

G R A D S I N T H E N E W S

Lisa Mattson, Aviation Operations, Winter 1990, received the highest score ever achieved on the FAA Academy screen. Mattson was placed at Minneapolis International Airport Tower where she was certified in minimum time.

Matt Hayes, Professional Flight, Spring 1990, has joined Mesaba Airlines as First Officer. He flight instructed for Wright Aero, St. Cloud Airport and taught ground school courses for SCSU.

Kelly Butkowski, Aviation Management, Summer 1990, was retained by the Metropolitan Airports Commission Minneapolis International Airport, following her internship. She was selected in April 1992, for Operations Technician, Reliever Airports over 116 candidates.

Jim Martinson, Bachelor of Elective Studies, Aviation Management, Summer 1992, has accepted a position with American Eagle as Stores Manager for their Albany, NY base and will also coordinate activities for their JFK office.

Jason Graupman, Aviation minor, Fall 1991, was selected to participate in the American Airlines flight internship

program. He will be joining the pilot training class for American Eagle, American's regional carrier in January 1993. Only four recent graduates of Aviation programs nationwide were selected as interns by American Airlines this year. Criteria for selection included a 3.5 GPA and 100 hours of multi engine time.

Alan Woehrl, Professional Flight, Summer 1992, has joined the flight instructor staff at Wright Aero, St. Cloud airport.

Grads - let us hear from you!

1991-92 NIFA SAFECON

Mankato State University, Mankato, MN hosted the 1991-92 Region V National Intercollegiate Flying Association (NIFA) SAFECON October 10-12, 1991. SCSU's Flying Saints placed second overall with Jason Graupman, Aviation minor, named Top Pilot by the Airline Pilots Association. Graupman graduated Fall quarter and is flight instructing for Wright Aero, St. Cloud Airport. The 1992 Region IV SAFECON will be hosted by Dubuque University, Dubuque, IA, on October 22-24, 1992.

Tony Loftus, Professional Flight, Summer 1992, was named Top Pilot at the annual Safety and Flight Evaluation Conference (SAFECON) held at Northeast Louisiana State University, Monroe, LA, in May. This award is sponsored by the Airline Pilots Association. He also was named Top Male Pilot by the Aircraft Owners and Pilots Association and Outstanding Team Member by Jeppesen Sanderson. Loftus placed third in the Navigation Event, fifth in the Short Field Landing Event, third in Computer Accuracy and 9th in Preflight Inspection.

Sean Forster, Professional Flight, placed seventh in the Power Off Landing Event and Kamela Mohs placed fourth in Computer Accuracy. The SCSU flight team, the Flying Saints, placed seventh overall in the 1992 SAFECON. Twenty-eight college flight teams competed in the SAFECON. The National Intercollegiate Flying Association has 75 member schools in eleven regions. Other members of the 1991-92 Flying Saints were: Erin Anders, Ron Hagen, Leon Tewes and Al Woehrl.

STUDENT ORGANIZATIONS

SCSU has three aviation student groups which provide professional and social opportunities. The SCSU Aero Club was formed in 1949 as a non-profit corporation to provide students, faculty and staff with reasonable aircraft rates for training and transportation. It has become one of the largest non-athletic organizations on campus with over 200 members; Aero Club members own eight aircraft and a hangar at the St. Cloud airport.

The Sigma Chi Upsilon (SCU) chapter of Alpha Eta Rho (AHP) was rechartered in January 1989 with 40 members. Today, over 50 students (men & women) are involved in fraternity activities. AHP's goals are to foster academic excellence and encourage community involvement among its members. Every Christmas, the chapter adopts a needy family to assure they have a happy holiday.

The student chapter of the American Association of Airport Executives (AAAE) is aviation management oriented and provides an excellent resource for current events in aviation. AAAE offers many services for its members including a bimonthly newsletter and a centralized airport intern program. It is an excellent way to meet people and learn about the business side of aviation.

AERO CLUB ALUMNI

Homecoming events October 30 & 31 at SCSU. Call Steve Anderson , (612)255-2978, for details.

INFORMATION IS AVAILABLE

You can reach the SCSU Aviation faculty via the **Internet**

<http://www.stcloudstate.edu/aviation/>

Email: aviation@tiger.stcloudstate.edu

Flight Lines is published twice each year as an information source for SCSU aviation students, alumni and friends of the Aviation Department. You can find this publication at <http://www.stcloud.msus.edu/aviation> (our web site) This newsletter is written by Dr. Hope Thornberg and edited & designed by Mr. Patrick Mattson.

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