

SCSU FLIGHTLINES

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AVIATION BECOMES A DEPARTMENT

The St. Cloud State University Aviation program became the Aviation Department in May, 1996. The new department is one of ten within the College of Science and Technology. This new designation emphasizes the importance of the nationally accredited Aviation major at SCSU and enhances its visibility both on and off campus. Aviation enrollment has increased approximately 10 percent this fall with over 300 pre-major, major and minor students. There appears to be increased student interest in all areas of aviation, especially the Professional Flight emphasis. Fortyone Aviation students graduated during 1995-96, making the Department second in number of graduates within the College of Science and Technology.

After a year of planning and network setup, SCSU's authorized Sylvan Prometric FAA Test Center administered the first test Oct. 31, 1996.

SCSU AVIATION ADVISORY BOARD

The Aviation Advisory Board held its Fall meeting Thursday, October 3, 1996, with Vice Chair Ray Rought, Director of Aeronautics, MnDOT, presiding. Christine Jones, Northwest Airlines pilot, hosted the meeting at the Northwest Aerospace Training Corporation (NATCO) in Eagan, MN. Aviation industry representatives shared their perspectives on the status of the aviation industry. Jeff Hamiel, Executive Director, Metropolitan Airports Commission (MAC), announced that the lengthening of the Minneapolis-St. Paul International airport (MSP) Runway 4-22 has been completed, making the 11,000 foot runway the longest at the airport. The additional length will make possible nonstop flights between MSP and Asia. MSP will become the most convenient airport in the U.S. for international travelers with the new Federal inspection facility on the Gold concourse. The Anoka County airport air traffic control tower, constructed by the MAC and MnDOT, became operational October 1, 1996.

Rich Lawrence, Director of Flight Operations, Mesaba Airlines, reported the airline's acquisition of 50 GPS-equipped Saab 340's as part of its aggressive program of growth. Christine Jones reported that Northwest Airlines is continuing to hire 30-60 pilots each month. Flight attendants and mechanics also are being hired. NWA is expanding its fleet with the acquisition of additional B757, A320, DC10 and DC9 aircraft. Ray Rought noted industry predictions heard at the recent national meeting of state aviation officials. By the year 2000-2002, the number of airline passengers is predicted to double. Future aircraft will carry 600-1000 passengers. Reports on the Aviation Department and the five SCSU Aviation student organizations were given by Aviation faculty and organization presidents. The Spring meeting of the

Advisory Board will be Thursday, April 17, at the Metropolitan Airports Commission, Minneapolis.

FACULTY

Dr. Hope Thornberg attended the summer meeting of the Council on Aviation Accreditation held July 9-12 in London, Ontario, Canada. She presented the response of the SCSU Aviation faculty to the aviation industry's concerns regarding the educational preparation of its future workforce. Among these concerns are written and oral communications, mathematical and scientific reasoning, critical thinking and technical skills--all of which are addressed in the SCSU Aviation curriculum.

Ken Raiber attended the annual professional meeting of the University Aviation Association (UAA) held October 17-19 in San Jose, CA. Raiber, a member of the UAA Flight Education committee, attended that meeting as well as general sessions and other committee meetings. He also attended the annual convention of the Aircraft Owners and Pilots Association (AOPA) held in San Jose.

Pat Mattson is working with Dr. James Rankin, SCSU Professor of Electrical Engineering, who received a \$192,000 NASA-Langley Research Center Grant, which expands SCSU's role in NASA's Low Visibility Landing and Surface Operations (LVLASO) research project. The SCSU team (three EE and two Aviation students) is designing the tower Controller Interface to improve airport operations during periods of low visibility (fog, rain, snow, etc.) Dr. Rankin received an initial one-year grant of \$25,000 in 1995 to define the required navigation accuracy needed for low visibility taxiing on the airport surface. The Controller Interface uses voice recognition, touch screen monitors, and graphical displays to provide the interface and will convert the verbal command to an electronic format which is datalinked to aircraft. Other participants: FAA, NASA-Ames, Rockwell, Cardion, and Norden.

Ken Raiber and Steve Anderson participated in the 1996 Fall Post-Secondary Conference, sponsored by MnDOT Office of Aeronautics, October 14 in St. Paul. Raiber led a discussion on developing a model program that would allow A&P and Avionics technical college graduates to complete a Bachelors degree at Minnesota state universities. At SCSU, a Bachelor of Applied Science may be a more feasible degree for technical college graduates. SCSU currently does not offer this degree. Conference participants agreed on the need for increased cooperative efforts between schools throughout the state. A matrix illustrating flight credit transfer policies of the various post-secondary institutions was presented. A proposal has been developed to establish an Airport Management

Intern Certification program in Minnesota representing a partnership between MnDOT Aeronautics, MnSCU (post-secondary education) and Minnesota Council of Airports. The Spring 1997 conference is scheduled for Friday, Feb. 7, 1997, at the Minneapolis Convention Center.

STEVEN ANDERSON NAMED TO FACULTY POST

Steve Anderson was named to fill a fourth full-time, tenure track Aviation faculty position following a national search conducted last spring. Anderson earned a Bachelor of Science degree in Engineering Technology/Aviation from SCSU in 1986 followed by a Master of Business Administration in 1991. He currently is pursuing a Doctor of Philosophy degree in Education at the University of Minnesota. Anderson holds an Airline Transport Pilot certificate-Airplane Multiengine Land and a Commercial Pilot certificate-Airplane Single and Multiengine Land & Sea. He is a Flight Instructor for Airplane-Single and Multiengine and Instrument.

Anderson brings to the Aviation Department experience as a flight instructor, classroom teacher and flight school manager. He served as a full-time, fixed-term faculty member in the Aviation program from 1989 to 1993 and as an adjunct faculty member from 1993 to 1996. Following several years of experience as a flight instructor and charter pilot for Wright Aero, Inc., St. Cloud Airport, he was named Flight School Manager and Chief Instructor, a post he filled from 1993 to 1996. Anderson is teaching Aeronautics I, Aviation Safety, Aviation Management, Advanced Aerodynamics and Air Transportation. He also serves as faculty advisor to the Aviation Ambassadors.

NEW ADJUNCT FACULTY

Mitch Kilian and Kelly Gerads, both SCSU Aviation graduates and employees of the Metropolitan Airports Commission (MAC) are team teaching the Fall quarter course, "Airport Management." Kilian is based at Minneapolis-St. Paul International Airport in Flight Operations while Gerads is Assistant Manager of the reliever airports (MAC). Randy Triplett, MARC-MN ATC training center, is teaching Introduction to Air Traffic Control this year. Aviation course offerings continue to be enriched by returning adjunct faculty members. Teaching this Fall are David Weeres, USAir pilot; Don Meier, Anderson Trucking corporate pilot; Jim Hoolihan, attorney.

ST. CLOUD REGIONAL AIRPORT UPDATE

The remodeling of the general aviation terminal has been completed and has resulted in a bright, modern facility devoted entirely to general aviation with St. Cloud Aviation occupying one side and a public lounge, pilots' quiet lounge and weather planning area on the other side. St. Cloud Aviation has begun construction on a new 125 x 125 corporate aircraft storage hanger and an addition to hanger three which will house its parts, avionics and maintenance departments. The completion of construction in January, 1997 will provide the Wright Aero Flight School with additional space for instruction and aircraft storage;

the flight training device room will also be expanded. The past several months have seen several Wright Aero flight instructors move on to new jobs with SCSU Aviation graduates hired to replace them. Chad Emery, Todd Tarvested and Jeff Klingfus were hired by Mesaba Airlines and Kevin Cencer by American Eagle. SCSU graduates Larry Gregg, Justin Palmer, John Soderlund and Matt Cole were added to the CFI roster. Jim Stoeckel, 1996 graduate, was hired as a CFI by Wright Aero, Maple Lake Airport.

INTERNS

Thirty-three Aviation students interned during 1995-96 with 15 completing internships at nine industry sites during the summer. Matt Larson and Scott Wilcox interned at Northwest Airlines; Kevin Morris, Kerry Leaders, Scott Johnson and Tom Wettig interned at MAC; Sarah Boothby, Matt Larson and Jennifer Rice interned at Express Airlines I. First time internship sites included: MnDot Aeronautics - Kyle Scapple; Fargo, ND airport - Jennifer Slack; Willmar airport - Yukari Ikeda; NWA Systems Operations Center - Kelly Archer; Waukesha, WI airport - Annie Zidar; and WheelAir, Inc - Tracy Johnson.

Fall quarter interns include Jon Lasenski and Greg Gherasim, Northwest Airlines; Scott Schaffer and Kelly Archer, Express Airlines I; Shane Harbison, MAC; and Tom Gleason, Lifelink III.

NIFA SAFECON 1996 REGION V

SCSU, the Aero Club and the Flying Saints hosted this year's SAFECON October 10-12. Missy Vogel chaired the event. Flying Saints Team members were Don Jordan, Dave Smith, Derek Heidelberg, Bob Steiner, James Gray, Derek Severin, Kevin Buechler, Alex Henry, Mike Doherty, Chad DePoint, Carolyn Sack and Aaron Frase. Teams from Dubuque University (Iowa), Mankato State University and the University of North Dakota also competed with UND capturing first place. The SCSU team took second and will compete in the national SAFECON in spring, 1997. Flying Saints team members placing in the top ten of the ground and flight events were: Computer Accuracy: Dave Smith (6), Derek Heidelberg (7) and Aaron Frase (9); Aircraft Recognition: Derek Severin (3), Dave Smith (8) and Don Jordan (10); SCAN: Mike Doherty (4), Aaron Frase (8) and Dave Smith (10); Preflight: Dave Smith (4) and Carolyn Sack (6); Don Jordan (1) in Simulator; Navigation: Alex Henry (4) and Dave Smith (5); Power Off Landing: Dave Smith (3), Alex Henry (4) and Kevin Buechler (8); Short Field Landing: Kevin Buechler (4), Don Jordan (5), Mike Doherty (7) and Bob Steiner (10). Dave Smith placed second in the Top Pilot Ranking, earning only one point less than the first place pilot. Ken Raiber serves as team advisor to the Flying Saints.

ALPHA ETA RHO

The local chapter of Alpha Eta Rho (AHP) has approximately 35 members this year. Fall pledges are: Joel Daly, Aaron Frase, Chris Jordan, Ryan Lauer, Jeanie

Otte, Michael Pavlik, Greg Spude, Bobby Steiner and Ryan Zimmerman. AHP's commitment to community service includes Adopt-a-Block, Caritas Adopt-a-Family and Habitat for Humanity. The fraternity staffed the concession stand at the NIFA SAFECON in October and will work at Sam's Club grill-outs and upcoming National Hockey Center clean-ups. Tours to the Northwest Aerospace Training Corporation (NATCO) and NWA's maintenance facilities are planned. Members also hope to attend the film, "Stormchasers," at the St. Paul Science Museum Omni Theater and the Smithsonian Traveling exhibit at the St. Paul Civic Center. Dr. John Carter, Industrial Studies professor who teaches "History of Aviation," is this year's Faculty Advisor. (*Amber Bader, President*)

AERO CLUB

The status of the Aero Club is good with busy airplanes and steady membership. We had an expensive summer with two engine overhauls and several other maintenance issues. Club aircraft flew over 2200 hours between April and September, approximately 1.5 hours per plane per day. This impressive amount of flight time helped to offset maintenance costs. As the club's aircraft age, maintenance costs rise and the feasibility of a fleet change is being investigated. The current trainer fleet of five Cessna 152's likely will be replaced first. The two C172's are holding up well and the Piper Arrow received a new engine in August. The club's liabilities are few--a small loan against one of the aircraft and another to purchase the hangar. The club is enjoying another year of activity. (*Dan Paulk, President*)

AVIATION AMBASSADORS

The Aviation Ambassadors is in its second year as a recognized student organization with 40 members involved in a variety of activities. Tours of the St. Cloud Airport continue throughout the year. The first fall visit was to Dane County (WI) International Airport where Dan Paulk, Shane Sitts and Bob Steiner spoke to high school students interested in aviation. Plans include tours, high school visits, and conventions. Work has begun on the second annual SCSU Airport Day, May 4, 1997, to once again kick off Aviation Week. The Ambassadors look forward to future opportunities and increased membership involvement. (*Kerry Leaders, President*)

AVIATION EXPLORERS

Kyle Scapple is the leader of this new organization. The 20 members have toured the Planes of Fame Museum at Flying Cloud Airport and also a Falcon Jet aircraft. A Private Pilot Ground school will be offered to the Explorers.

AAAE STUDENT CHAPTER

AAAE has 30 active members who are planning for a busy year. Chapter members are planning to work at the AAAE National Conference in Minneapolis, May 11-14. A Christmas Around the World party is planned for November 14, proceeds will be donated to the local battered women's shelter. AAAE fundraisers include selling T-shirts at the

airmeet, Sam's Club hamburger sale, and future hockey clean-ups. (*Jennifer Slack, President*)

SCHOLARSHIPS

Jennifer Slack was awarded the 1996 American Association of Airport Executives (AAAE) scholarship. She also received the 1996 Kimberly Ritsche scholarship, awarded annually by Kimberly Ritsche's parents in her memory.

RECENT GRADUATES

If you know of someone whose name should be here, please let us know; this is a great way to network.

1996 Brad Bachand, C130 Pilot slot, MN/ANG
 Becky Bartz, Tax Associate, NWA
 Yemane Bername, Police Officer, MAC
 Matt Cole, CFI, Wright Aero, St. Cloud
 Melissa Cummins, ATC School, MARC
 Steve Hart, Mgmt, Globe Airport Security
 John Haider, Operations, Mesaba
 Brenda Johnson, Airport Mgmt, Madison, WI
 Sjohnna Knack, Airport Mgmt, Reno, NV
 Chad Leque, Operations, MAC - MSP
 Anne Oliver, Maint. Records, Mesaba Airlines
 Chad Paffel, Pilot Scheduling, Mesaba Airlines
 Justin Palmer, CFI, Wright Aero, St. Cloud
 Bill Purcell, CFI, Wright Aero, St. Cloud
 John Soderlund, CFI, Wright Aero, St. Cloud
 Hasnain Somji, Computer Consulting
 Brad Stark, Dispatch, Trans States Airlines
 Jim Stoeckel, CFI, Wright Aero, Maple Lake
 Scott Taylor, King Air pilot
 Chris Tewalt, Dispatch, Trans States Airlines
 Trevor Thomas, Mgmt, Globe Airport Security

Changes:

Brian Anderson, Dispatch United Airlines
 Kevin Cencer, Pilot, American Eagle
 John Dietrich, Operations, DIA, CO
 Dan DeNell, Pilot, Sun Country Airlines
 Chad Emery, Pilot, Mesaba Airlines
 Larry Gregg, CFI, Wright Aero, St. Cloud
 Mike Hildebrand, Pilot, GreatLakes Airlines
 Mark Hoyne, Operations, DIA, CO
 John Kasel, FAA ATC, Mesa, AZ
 Mike Kensok, Engineer, Great Plains Software
 Jeff Klingfus, Pilot, Mesaba Airlines
 Kristi Kraemer, Ops Manager, WheelAire, Inc
 Pete Rainey, Mgmt, Finance, America West

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