



Department of Aviation
St. Cloud, MN 56301

ST. CLOUD STATE UNIVERSITY

Flightlines



Volume 18, Issue 2
Fall 2011

Aviation Industry News: Critical Workforce Shortage

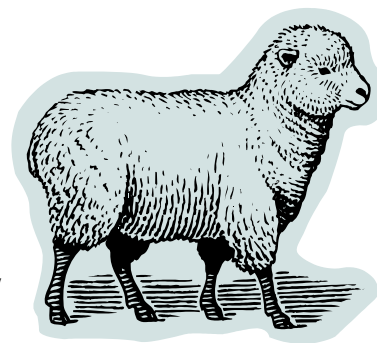
Over the hills and through the woods to grandma's house we go via the airlines may not be convenient in a few years with the impending airline pilot shortage. According to a December 2011 article, *Pilot Shortage Stimulates Airlines Hiring, both Boeing and Airbus report that approximately 460,000 new pilots and 650,000 aircraft technicians will be needed worldwide (North America 82,800 pilots and 137,000 technicians) in the next 20 years.* Presently, airlines are reporting problems in hiring pilots which is seriously prohibiting their capability for expansion. The chairman of Spring Airlines in China stated that "The pilot shortage is the largest restriction to our development" (Brennan, , para. 4, 2011). The Federal Aviation Administration (FAA) forecasts one billion U.S. passengers will be flying by 2021 and international travel will expand more quickly than domestic travel (<http://Pilotjobs.com>). From the Pilotjobs website, the following airlines are now hiring and this only represents a sample of U.S. airlines: Ameriflight, ASA/ExpressJet, Air Wisconsin, Cape Air, Colgan Airlines, CommutAir, Compass Airlines, Great Lakes, Piedmont, ExpressJet Airlines, GoJet, Mesaba, Pinnacle Airlines, PSA Airlines, and SkyWest Airlines. ASA/ExpressJet will be hiring 600 pilots in 2012. For aviation graduates, the opportunity to move from the classroom directly to



Worldwide shortage for airline pilots & other aviation personnel set to get worse.

Flightlines PIREP Matt Quinn, JD- Aviation Law Adjunct Professor

This summer, adjunct AVIT Faculty Matt Quinn, *Juris Doctor*, was appointed as the Aircraft Owners and Pilots Association Airport Support Network volunteer for the Princeton Municipal Airport (PNM). Appointment as a volunteer requires an application and nominations process. There is only one Airport Support Network volunteer appointed for each airport. Mr. Quinn has worked with others to form a group of keenly interested pilots, hangar owners, and airport users. The group has worked on things as simple as cleaning and organizing the arrival/departure building. Recently, Mr. Quinn helped defeat a proposal by a local farmer to graze sheep inside the airport's fence! The Princeton Airport Pilots Association's (PAPA) priorities are presently (1) Airport safety issues (snow plowing, beacon, wind sock, Unicomb (there was an unannounced frequency change that was quickly corrected!)), (2) Funding and/or support for maintenance and improvement projects at PNM, and (3) A dialogue with the Airport Board, City Council and City Manager. Anyone with an interest in joining the PAPA email listserv or participating in any activities can contact Mr. Quinn by email at mmquinn@stcloudstate.edu



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Flightlines is published twice a year as an information source for SCSU aviation students, alumni, Advisory Board members, friends of the Aviation Department and the administration and faculty of SCSU. Article submissions, comments, suggestions, and questions are welcome and may be directed to Dr. Jeffrey Johnson, Professor of Aviation, SCSU Department of Aviation, at (320) 308-2107 (email: jajohnson@stcloudstate.edu).

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Current and back issues of *Flightlines* can be found on the Department of Aviation website:

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

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Pancakes, Anyone?

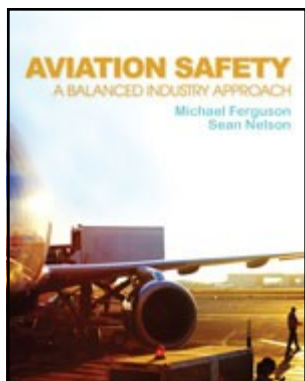


(L-R) Mikaela Mahoney and Marise Oyouba serve pancakes and sausage at the Irene Lev Memorial Fly-In at the Hutchinson airport on September 25th. Special thanks to Jessica Miller for this great event!

Volunteers Needed!

Science ROCKS!
Wick Science Building
Thursday, January 5th.
Contact Mrs. Olson if you would like to run the Beech 1900 simulator for HS students!

STEM (Science, Technology, Engineering & Math) Conference on Thursday, Jan. 26 in the Atwood Ballroom. The Dept. of Aviation will have a display booth to showcase aviation careers to the public. Contact Dr. J if you can help.



New Certificates & Ratings

Logan Vold
CFI, SE

Airline Industry Update Michael Ferguson, Virgin America Airlines

Virgin America (VX) is on a continual upward climb in hiring, aircraft acquisition, route expansion, and overall growth! Since December 2010, VX has started new service in the Mexican cities of Cancun (CUN), Los Cabos (SJD), and Puerto Vallarta (PVR), as well as in Chicago O'Hare (ORD), Dallas/Ft. Worth (DFW) and Palm Springs, California (PSP)! 2012 promises to be another significant year with new service to be announced in other cities as well as VX continues to grow. Virgin America is also acquiring new Airbus 319 and 320 aircraft in support of current and future growth. This trend will continue in 2012 and beyond.



(see Airline Industry Update on page 5)

Aviation Student News

Kyle Warner recently became a SCSU college senator for January-December 2012 on a write-in vote. Kyle is also moving forward with reactivating the SCSU Safety Management System.

Adam Timperley (President of the Student Veterans Organization & Senator, Student Government Association) has been hired as a crew scheduler for Compass Airlines. Congratulations, Adam!

Bryce Allison is graduating with a BS in Aviation (Operations) in 3 1/2 years and has been interning at the Duluth Airport Authority this semester. He has been offered a temporary position after graduation. Way to go, Bryce!

David Marketon (Meteorology/Aviation Operations) co-wrote and produced a film entitled "Lambent Fuse" alongside director/co-writer, Matt Cici, that premiered this fall at the Twin Cities Film Fest and won the award for 2011 Best Minnesota Feature Film. It is a character-driven drama that illustrates human connection and choice. A part of the film was shot at the MSP airport with the crew having worked closely with the Metropolitan Airports Commission and the Airport Director's Office to ensure the production was planned. You can view it at <http://www.lambentfuse.com>

Faculty News

Steve Anderson attended the Aviation Accreditation Board International (AABI) summer conference in Norman, OK on July 11 - 15, 2011. Steve was appointed chair of the safety committee by the board. Congratulations, Steve!

Steve Anderson attended the FAA AT-CTI best practices workshop in Indianapolis, IN on September 27, 2011. Steve also attended the University Aviation Association (UAA) annual conference and gave a preliminary presentation on *Transferring SMS Practices in University Aviation Programs to General Aviation* at the UAA/AABI partnership industry/educator forum. He will be presenting an expanded version of this topic at the next AABI conference.

Michael Ferguson will be teaching AVIT 345 (Introduction to Occupational Safety) online this spring. He also co-wrote an innovative industry based book, [Aviation Safety: A Balanced Industry Approach](#) (see book to the left and hyperlink). Mr. Ferg skillfully used his "real world" airline experience combined with his academic experience to develop a useful resource for aviation students aspiring to go into the aviation industry after graduation. Great job, Michael!

Angie Olson passed her doctoral dissertation proposal last November. Congratulations, Angie!

Patrick Mattson & Jeff Johnson published an article in the Midwest Flyer titled, *The Future of Collegiate Aviation* on page 56.
http://www.midwestflyer.com/wp-content/uploads/2011/12/MFM_Dec2011Jan2012.pdf



Aviation Student Organizations *(continues on the next page)*

Alpha Eta Rho *by Ashley Ostidick, President*



Alpha Eta Rho has been busy this semester. Our fundraising event at the NIFA Region V SAFECON completely funded the organization to go to Canada including all the expenses. We were able to visit NAV CANADA's Winnipeg tower and tracon facilities with a special thanks to Mark Papko! It was an excellent learning and social event for our members. We also were lucky enough to be able to host two rounds of broomball for all the aviation students.

I would like to say congratulations to Jon Price, our new VP of Events for AHP! We're very happy to have him on the committee. Second of all, a farewell to Matt Dreher as he will be graduating this semester. We're sad to see him go, as I'm sure all of you are. He's been an outstanding member of the Aviation committee for many years. He will be a great asset wherever he goes next and we wish him the best of luck!

We already have several events planned for next semester that we'll be putting on the calendar on the website! If you have any ideas in addition to what we went over at our last meeting, feel free to contact one of us. We're planning on having the same meeting time next semester unless it doesn't work in your schedules. Have a great break, everyone!

Winnipeg, Manitoba (Canada) Control Tower View



In Remembrance



Lucas Sigfrid

Heartfelt sympathies goes to the family and friends of Chief Warrant Officer Lucas Sigfrid who was killed in a U.S. Army helicopter crash. Lucas loved flying and serving his country.



Congratulations Graduates!



We are very proud of you & will miss you!

Bryce Allison
BS Aviation—Ops.

Matt Dreher
BS Aviation—Mgmt.

John Harris
BAS—AVIT MX Mgmt.

Aaron Johnson
BS Aviation—Ops. (CTI)

Marise Oyoubu
BS Aviation—Ops.

Aviation Ambassadors Calendar of Events

January 2012

5th (Thurs): *Science Rocks!*
9:30 am — 2 pm 5/6th
Graders. We will be
operating aviation as an
aspect of science.

19th (Thurs): *Side Street, 10*
am—2 pm. Booth in Atwood
to promote Aviation
Ambassadors with Aero
Club.

26th (Thurs): *Science,*
Technology, Engineering,
and Mathematics conference
in Atwood.

27th (Fri): *Spirit Mountain*
Ski/Board Trip

April 2012

21st (Sat): AIRPORT DAY
St. Cloud Regional Airport
9 am—1 pm

Don't Miss It!

Aviation Day in St. Paul!
Tues, Feb. 7th, 9:00 am



Lobby your representatives
and senators about the
importance of aviation to the
state! RSVP Gordon Hoff at
gordon.hoff@comcast.net
or
call (651) 398-4649 by
Jan. 24. Free ground
transportation from SGS!

Aviation Student Organizations (continued from page 3)

Aviation Ambassadors Jessica Miller, President

Aviation Ambassadors have been actively recruiting and planning for Airport Day in the spring. We have been working on our vision and look to improve Airport Day drastically from last year, especially the weather! But in all seriousness, we are looking to have more fun activities for all age groups while also incorporating aviation history and the future of our airport. We are always looking for more help on this event throughout next semester and on the day!

When we are not preparing for Airport Day we have fun socials and are actively helping the community. Our socials include events such as Molitors Haunted Acres and Bowling. We had a lot of fun at both events, and in January, we have a ski/snowboard trip to Spirit Mountain in Duluth planned. We gave some airport tours this fall and have upcoming outreach programs on campus that we have been invited to participate in January.

In helping the community we have given airport tours and conducted a toy drive in association with Tree of Hope. Pilots from all over the state fly the toys they have gathered in their flying clubs or EAA chapters and deliver them to Maple Lake and Duluth, MN. These toys are separated by age group and packaged for children in the hospitals over the holiday season. We were personally able to deliver the toys to the St. Cloud Hospital. We would love to see you at our next meeting or event (see left margin for details)! We typically meet 1st and 3rd Wednesdays at 5pm in HH112.

American Association of Airport Executives Christopher Spaulding, President written by Shajive Jeganathan, Vice President



The Foreign Object Debris walk this semester was held at the St. Cloud Regional Airport on Saturday, October 22. The event saw 2 new AAAE members attend their first AAAE event. This semester's F.O.D. Walk was covered by

the media from both the UTVS and the St. Cloud Times making the event a much publicized event. The bi-annual event began at 8:45am following a safety briefing. Members spread across the width of the runway carrying bags to drop in the debris they collected as they walked the entire span of the St. Cloud Airport's runway and taxiways. The walk lasted an hour after which everyone gathered by the General Aviation building to dispose their findings. Many found nuts and bolts while a few found metal objects which could have posed a potential threat to aircraft. The event was concluded with a cook-out by Dr. Anderson & Ms. Olson.



The Following AAAE members
secured internships this semester:

Mr. John Nies: Maintenance internship at Sun Country Airlines
Ms. Brenda Hoffman: Technical Services Internship at Sun Country Airlines
Mr. Bryce Allison: Airport Internship at Duluth International Airport

AAAE Member of the Month

October: Mr. Nico Buechner

December: Mr. John Nies



Critical Workforce Shortage *(continued from page 1)*

the right seat of a regional airline may be here once again. Not only will there be ample opportunities for pilots, there will be a demand for maintenance technicians, airline management, ground support, technical support, and air traffic controllers. It has been reported that China has extended the Visa requirements in order to get more pilots. Some airlines from overseas have even offered tax free salaries, housing, a positive space airline travel, and school allowances for applicants willing to work for these global carriers. Travel disruptions have occurred for the travelling public during pilot shortages in the past. The demand for graduates from AABI-accredited aviation programs will continue for quite some time.

Source: <http://articlescast.com/business/careers/pilot-shortage-stimulates-airlines-hiring>
 Source: <http://pilotjobs.com/2011/02/16/faa-forecasts-one-billion-us-passengers-flying-by-2021/>



Airline Industry Update *(continued from page 2)*

VX also took top honors as "Best U.S. Airline" in the prestigious *Conde Nast Traveler's* 2011 Readers' Choice Awards, marking the fourth consecutive year that VX was won this award.

In January 2012, it is anticipated that the VX Safety Management System (SMS) will be granted Level 1 Validation, which will permit the company to enter in SMS Level 2. This is a significant step in the life of the company. Michael Ferguson is the manager responsible for the development and implementation of Virgin America's SMS, and is supported by a number of exceptional teammates from both Safety and Virgin's five operating departments.

Vx, is also hiring pilots, flight attendants, maintenance technicians, station operations personnel and other positions! This hiring trend is expected to continue well into the future. It's a great time to be a Virgin!

Airport Roadside Cleanup Annual Event

Sincere gratitude and appreciation is extended to all the volunteers for the roadside cleanup and plane wash this past fall. There were around 20 students actively cleaning up Del-tone Road between the airport and Hwy. 10. Thank you for taking pride in the aviation department and for making St. Cloud a better place to live. SCSU aviation students have been involved in this effort for around 15 years. The SCSU Aero Club organized the event. Excellent job!



Got Spirit?



Aviation Students Received the Spirit Award!

Aviation students received the spirit award during St. Cloud State University Fall 2011 Main Street

Congratulations!



Deep Thoughts by Dr. J

In all my years of advising prospective students, it really comes down to three questions parents want to know in considering a 4-year degree for their son or daughter:

- *Is it a quality degree at an affordable price?*
- *Is a career possible with this degree?*
- *Can #2 reasonably pay off #1 which will be comparable to my mortgage?*

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We Would Like to Hear from YOU!

Graduation? Career change? Promotion? Retirement? Anything else going on in your life? Please take a moment and give us an update. Can we feature YOU in our next newsletter? Yes ___

Name _____ Year Graduated _____ Major _____

Address _____

Employer _____ Position/Title _____

Email Address _____ Telephone _____

Please check here if this is a new address ___ Please check here if this is an updated address ___

Can we count on you to make a donation to the Department of Aviation? Yes ___

If you would like to get our newsletter twice a year via email, please email us at aviation@stcloudstate.edu

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