



WinnAero News

Spring 2015, Volume 4, Number 1

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Welcome to WinnAero

Welcome to the spring issue of WinnAero News. In this issue, you'll read about our new board member, **Marcy Dembiec**; NHAFA Teacher of the Year, **John Leahy**; ACE Academy 2015; teacher professional development; and many other activities. The board members are always open to new ideas. If you have one, or two, and they fit within our mission, feel free to let us know what's on your mind. If you feel like helping implement your ideas, all the better!

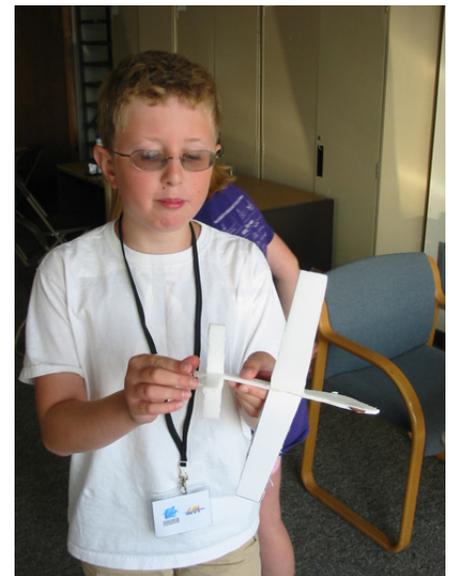
If you have questions or require additional information, please email one of the board members or visit our web site at <http://www.winnaero.org>.

New Board Member Marcy Dembiec

The WinnAero Board recently welcomed **Marcy Dembiec** as our newest member. She has her private pilot's license and is a loan originator at Meredith Village Savings Bank. Marcy will be coordinating our marketing & fund raising efforts. About her flight experience, she says, "My dad was a huge aviation enthusiast and I grew up on a grass strip with him always owning a plane. I thought it was normal to fly to breakfast on Sunday



Board Member Marcy Dembiec



Student from ACE ACademy 2015

For Additional Information, contact

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Open, Treasurer
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Marcy Dembiec, Marketing, ifly315@yahoo.com
John Leahy, EAA Liaison
Marv Everson, Airport Liaison

Wolf Aviation Fund

mornings.” Sounds like a great experience, Marcy, welcome to the Winn-Aero team.

CAP AEO Named 2015 NHFAFA Teacher of the Year

John Leahy has been selected to receive the NH Air Force Association Teacher of the Year award for 2015. A proponent of using aerospace activities to interest students in STEM education, Leahy has been the Aerospace Education Officer for Hawk Composite Squadron for the past 2 years. Through his efforts, Hawk has received STEM Kits for Flight Simulation, Astronomy, & Rocketry. A firm believer in combining resources, Leahy has invited the local EAA members to assist CAP cadets in a project to repair a Taylorcraft that was recently acquired by his employer, **Sky Bright Aviation**. The AFA Award includes a certificate, check for \$500 and a personalized AFA Teacher of the Year jacket. Congratulations, John Leahy.

WinnAero/Laconia Airport ACE 2015

Planning for ACE 2015 is well on the way. The following aviation sessions are offered:

Grades 3-5 July 13-17 or 20-24 8:30 - 12:00

Each day, students meet for 3 1/2 hours of aviation and space activities.

Grades 6-8 July 20-24 8:30 - 4

These aviation sessions are designed for middle school students. Students will be grouped by grade and previous aviation knowledge & experience.

Grades 9-12 July 13-17 8:30 - 4

These aviation sessions are designed for high school students. Students will be grouped by grade and previous aviation knowledge & experience.

Grades 6-8 July 13 - 17 8:30 - 4

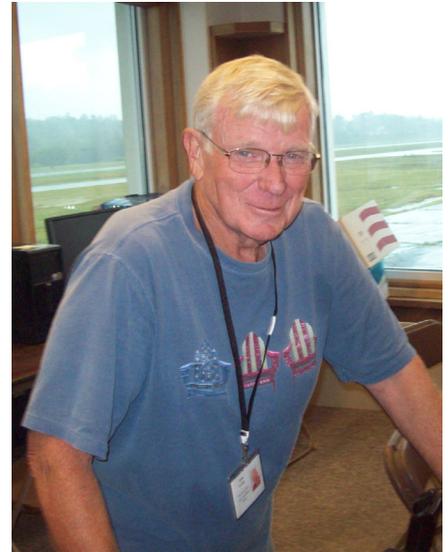
Space Camp for middle school students. This session is designed for middle school students interested in rocketry and space exploration.

Veteran staff returning this summer are teachers **Bob Rotier, Julie Sicks-Panus, Christine Landry, Paul Gelinias, and Dan Caron**. Joining us this year is high school science teacher **Karen Mitchell** and in our Sim Lab, Hawk Squadron AEO, **John Leahy**. Visit our web site for applications and other information about all ACE Academy offerings. Click on the “Education” pull down menu and select “ACE Summer 2015.”

Teacher Professional Development Workshops

After a year of preparation, the first series of six CAP Aerospace Dimensions workshops is in the books. The six modules are used by CAP cadets, seniors and teachers around the country. Each module is packed with simple inexpensive activities that can be completed in the classroom. Topics include: Introduction to Flight, Aircraft Systems and Airports, Air Environment, Rockets, Space Environment, and Spacecraft.

Taking part in one or more sessions were **Sheila Adams, Paul Gelinias, Christine Landry, Mickey Natoli, Danyel Sandz, and Mike Thompson**. Joining these teachers as guest speakers were **John Leahy**, airport opera-



NH AFA Teacher of the Year
John Leahy



ACE Academy students 2014

tions, Sky Bright Aviation; **Russ Hobby**, independent meteorologist; and via Skype, **Mike Disbrow**, rocketry, NASA Wallops Flight Facility; **Eric Winter**, space environment, NASA Goddard Space Flight Center; and, **David Everett**, spacecraft, NASA Goddard Space Flight Center.

PSU Grad Credit to Teachers for Workshop Participation

Teachers participating in WinnAero professional development activities can now receive graduate credit through **Plymouth State University**. Teachers who attend 2 sessions and complete a STEM/Aerospace implementation plan for their school may earn 1 graduate credit. The cost per credit is \$201 above the cost of the workshop.

Deadalians Presentation

On March 13, WinnAero was invited by **Ed Josephson**, to the **Order of Deadalians, Flight 53** monthly meeting to provide a briefing on ACE Academy 2014. Flight 53 has been a regular contributor to our financial assistance fund for ACE Academy. The briefing was well received and resulted in a member contributing \$500 toward ACE 2015.

Holy Trinity Auction

Once again this year, WinnAero is supporting the **Holy Trinity School Auction** by donating a certificate for a scholarship to offer as an auction prize. The scholarship is for tuition to attend one of our summer 2015 ACE Academies. The prize may be redeemed by the winning bidder for either a scholarship for a high school or middle school aged student at any of our appropriate sessions or for two elementary aged students at one of their sessions.

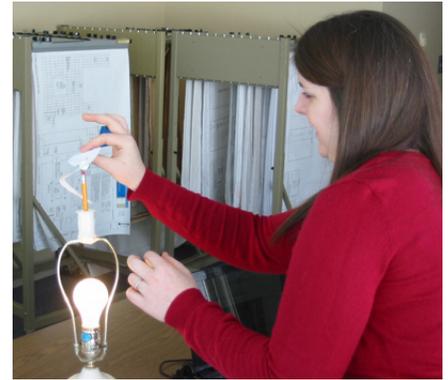
AvEd School and Organization Partnerships

Girl Scouts: WinnAero has once again partnered with the Girl Scouts to offer an aviation experience for girls in the NH & VT area. Scouts will participate in hands-on activities that demonstrate the forces of flight and how planes stay in the air. They will be introduced to the parts of an aircraft (engines and flight surfaces) airport markings, management and operations. Finally, girls will be provided with an opportunity to fly a plane with an Experimental Aircraft Association (EAA) flight instructor through the Young Eagles program. The first opportunity is on Saturday, October 17, from 8:30 – 4, while the second opportunity is on Saturday, April 2, from 8:30 – 4.

BSA Merit Badge Counselors: Two of our Board members are registered with the Daniel Webster Council, Boy Scouts of America as merit badge counselors for the Aviation and the Space Exploration merit badges. **Bill Seed** (Aviation) and **Dan Caron** (Space Exploration) are available to work with scouts to help them achieve these badges.



Career Day interviews
ACE Academy 2014



Teachers trying various activities
from the CAP Aerospace Dimen-
sions modules.

Teacher Resources

Rocketry Certification: The National Association of Rocketry (NAR) is now offering a rocketry certification for formal and in-formal educators. The course is self paced and on-line. For details, visit <http://www.nar.org/educational-resources/welcome-to-nartcert/lets-get-started-in-nartcert/>

Donations: Time, In-Kind, Money

Our plans are great and our board has more ideas, however, we can't execute them without additional assistance. Some areas where we could use help include: teacher professional development, publicity, fund raising, and planning student activities. If you or your organization wish to be a part of this grand adventure, please contact **Scott Davis** at sdavisnh@gmail.com

New Hampshire Aviation Stories Two American Heroes....Connected by Space

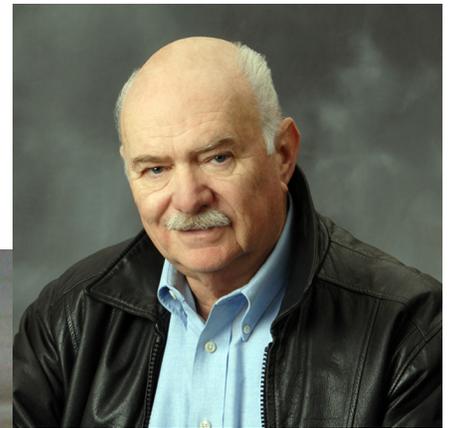
In the small central Massachusetts town of Auburn, something revolutionary happened on March 16, 1926. On that day, noted physicist, Dr. Robert Goddard launched his first liquid fueled rocket. Years earlier, as a student at Worcester Polytechnic Institute, young Goddard had experimented with rockets, sometimes with disastrous, smoky results including one launch inside a school building. To their credit, school officials chose to encourage the young scientist and not curtail his activities. Before he died in 1945, he had earned several patents for his inventions including liquid fueled rockets, solid fuel rockets and multi-stage rockets. Dr. Robert Goddard earned his reputation as the Father of Modern Rocketry. He was an American Hero. It was some of his research papers, written some 25 years before his death in which he suggested that a rocket could reach the Moon, that links Goddard to another American Hero. "Countdown to lift off....ten, nine, eight, seven....all of America is glued to its radio and television sets that May morning in 1961....six, five four,would it ignite, would it explode, would it fly?....three, two, one... LIFTOFF! With that announcement, Commander Alan Shepard became America's first astronaut to be launched into space. Three years before the first successful launch of Goddard's liquid fueled rocket, Alan Shepard was born in Derry, New Hampshire. Following his graduation from Pinkerton Academy in Derry, young Shepard won an appointment to the U.S. Naval Academy where he earned his Bachelor's Degree, received his commission and began his career as a naval officer. Following service aboard a navy destroyer in the Pacific during the last days of World War II, Shepard was accepted into Flight Training at Pensacola, FL and his naval career changed course. A few years later, Shepard graduated from the Naval Test Pilots School. In 1959, he and six other aviators were selected to be NASA's first astronauts. And on that beautiful spring day in May, 1961 he became the first American to journey into space aboard the Freedom 7 spacecraft. His suborbital flight rose to an altitude of 116 miles and landed safely some 300 miles down the Atlantic Missile Range. Alan Shepard rode into space and history aboard a craft propelled by a liquid fueled Redstone rocket. Commander Shepard went on to have a distinguished career in the Navy and with NASA which included landing on the Moon. An American Hero linked in history with an earlier American Hero who pioneered liquid fueled rockets. Dr. Robert Goddard and Commander Alan Shepard.



Dr. Robert H Goddard and
Commander Alan Shepard

In Memoriam

It is with sadness that the Board of Directors of WinnAero announces the passing of one of our founding members, our friend and colleague **Bob McCulla** at age 73. Bob had undergone successful surgery for lung issues at a Boston hospital but then developed a blood infection which took his life on November 25. A retired US Airways Captain, Bob is survived by his best friend and former wife, Mary Ann; a step-daughter Melanie; a sister Leslie and a granddaughter, the apple of his eye, Maggie. Bob was predeceased by his son Scott McCulla, also an airline pilot. Bob touched the lives of thousands of people through his 30 year career with the airlines but none more so than the lives of the young people he inspired and taught in WinnAero courses about navigation, pre-flight inspections and hands-on flying. Their love for aviation is Bob's legacy. Always mindful of helping youth learn about flying, Bob's obituary requested that anyone who wished to do so could make memorial donations to WinnAero. He will be sorely missed by the aviation community of the Lakes Region and by the students and Board Members of WinnAero. Fly West in peace good friend.



Some of our supporters who have assisted with our activities...

Aviation Association of New Hampshire
Concord Municipal Airport
Diane K. Kline Memorial Scholarship Fund
Naples Seaplane Services, Inc.



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