



Hangar Talk

May 2024

Northern Palm Beach County Experimental Aircraft Association Chapter 203, Inc.

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Can You Identify This Aircraft



Send your Answer to sdthatcher@bellsouth.net
The answer will be in Next Months Hangar Talk

Participate in VMC Club

Since 2015 and 2017, respectively, EAA members have enjoyed participating in organized hangar flying through EAA's VMC clubs.

VMC Clubs are extensions of local EAA chapters and offer monthly VMC program meetings where pilots can network and share knowledge and experiences. The purpose of EAA Visual Meteorological Conditions (VMC) Clubs build proficiency when flying under visual flight rule conditions.

New Website. Go to <https://chapters.eaa.org/ea203> to see the new look! New Category called EAA 203 Events Calendar. See current and future activities.



Find the Air Speed Indicator

Hidden somewhere within the pages of this newsletter is an ASI similar to the one shown here (will be smaller). All you need to do is find the page on which it appears, specify article or photo and send to sdthatcher@bellsouth.net to win. Winning Entries will be published in the newsletter.

ASI Location: One Prize Only awarded for correct ASI location.

ASI Winners: No winners this month

Aircraft Winners: No winners. See Page 3 for Identification.

Calendar of Events

May 11th

Board of Directors 8:30am

EAA203 9:00am, General Meeting with sausage, pancakes, and coffee!

VMC Club following General



VMC Club Meeting

The VMC club is an opportunity to share knowledge and experience while discussing real-world scenarios. The next meeting is this Saturday after the General Meeting. Be sure to attend this Saturday!

Florida EAA License Plate

AOPA/EAA MEMBERS BRING AVIATION LICENSE PLATE TO FLORIDA DRIVERS

Proceeds to support General Aviation education scholars

A general aviation license plate will soon be available for purchase in Florida because of the passionate efforts of three aviators with support from the AOPA advocacy team.

Local Florida pilots Joseph Hurtuk, Dr. Ian Goldbaum, and Richard Golightly bonded over their shared interest in aviation and determination to give back to the industry. They designed a Support General Aviation specialty license plate to reflect the economic impact aviation has on the state—which is ranked third in the U.S. for the total number of pilots, aircraft, and airports.

Proceeds from the sale of the specialty plate will help fund aviation education scholarships for Floridians managed

through the Aerospace Center for Excellence in Lakeland, Florida.

The three pilots worked with AOPA Southern Regional Manager Stacey Heaton to collaborate with elected officials to promote the plate. Integral to legislative efforts to pass the plate through the House and Senate were state Rep. Doug Bankson (R-District 39) and his office, and state Sen.

Gayle Harrell (R-District 83) and her office. Thanks to ongoing collaboration, the plate has passed through the Florida legislature and is headed to the governor’s desk for signature—which is eagerly anticipated by the end of the month.

"Special thanks go to Representative Bankson and Senator Harrell," said Heaton. "The representative's own passion for aviation and the senator's recognition of our members' passion for aviation made this effort possible."

Once signed, coordination with the state to get these plates to the public begins. Pre-sales for the plate are slated to begin October 1 and 3,000 sales are required before a single unit can be produced.



Barntoons



Used by kind permission of Dennis McLane (dennisdeanmclain@gmail.com)

Last Month's Aircraft Identification – Proteus

The Scaled Composites Model 281 Proteus is a tandem-wing high-altitude long-endurance aircraft designed by Burt Rutan to investigate the use of aircraft as high-altitude telecommunications relays. The Proteus is a multi-mission vehicle able to carry various payloads on a ventral pylon. The Proteus has an extremely efficient design and can orbit a point at over 19,800 m for more than 18 hours. It is currently owned by Northrop Grumman.

Design and development

Proteus has an all-composite airframe with graphite-epoxy sandwich construction. Its wingspan of 77 feet 7 inches (23.65 m) is expandable to 92 feet (28 m) with removable wingtips installed. Proteus is an "optionally piloted" aircraft ordinarily flown by two pilots in a pressurized cabin. However, it also has the capability to perform its missions semi-autonomously or flown remotely from the ground. Under NASA's Environmental Research Aircraft and Sensor Technology (ERAST) project, NASA's Dryden Flight Research Center assisted Scaled Composites in developing a sophisticated station-keeping autopilot system and a satellite communications (SATCOM)-based uplink-downlink data system for Proteus' performance and payload data. The Proteus wing was adapted for use on the Model 318 White Knight carrier aircraft, which is the launch system for Rutan's Tier One spacecraft and the DARPA X-37.

Flight testing of the Proteus began with its first flight on July 26, 1998, at the Mojave Airport and continued through the end of 1999. In June, Proteus was deployed internationally for the first time, debuting at the Paris Air Show. It was flown non-stop from Bangor, Maine to Paris. During the week-long show, it flew each day, demonstrating its capabilities as a telecommunications platform.

The Proteus is the current holder of a number of FAI world records for altitude (class: C1-e: landplanes 3,000–6,000 kg, Group: 3, turbojet), set in cooperation with NASA Dryden.[1] The highest altitude achieved was 63,245 feet (19,277 m) in October 2000.



General characteristics

Crew: Two (pilot and co-pilot)
 Length: 56 ft 4 in (17.17 m)
 Wingspan: 77 ft 7 in (23.65 m)
 Height: 17 ft 8 in (5.38 m)
 Wing area: 300.5 sq ft (27.92 m²)
 Empty weight: 5,860 lb (2,658 kg)
 Max takeoff weight: 12,500 lb (5,670 kg)
 Powerplant: 2 × Williams FJ44-2 turbofans, 2,293 lbf (10.20 kN) thrust each

Performance

Maximum speed: 313 mph (504 km/h, 272 kn)
 Cruise speed: 219 mph (352 km/h, 190 kn) at 20000 ft
 Endurance: 14 hours at 1,150 miles (1,850 km) from base
 Service ceiling: 61,000 ft (19,000 m) mid-mission altitude
 Rate of climb: 3,400 ft/min (17 m/s)

Young Eagles



Ever wondered what your neighborhood looks like from the sky? Or maybe you're

curious how airplanes even work. You might even dream about being a pilot.

If you're nodding your head "Yes" and are between the ages of 8 and 17, you're ready to take a free Young Eagles flight and see what real pilots do on the ground and in the air.

Since 1992, more than 2 million Young Eagles have enjoyed a flight from EAA's network of volunteer pilots.

For more information contact Rick Golightly, metro9100@aol.com.

Meeting Directions

The next EAA Chapter 203 meeting will be held at the hangar located at North County Airport (F45). The EAA Hangar is found by going to the junction of the Beeline Highway (SR710) and PGA Blvd (SR786). Then go 2.6 miles NW (from PGA); turn left at the airport sign, and cross the train tracks. Follow the road to the hangar, which is on the left-hand side before you get to the FBO terminal, hangar 11250-5.

EAA Chapter 203

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Secretary	Eric Flaig
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At_Large	Rick Golightly
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Meetings

The Chapter normally meets monthly at 9:00 am on the second Saturday of each month at hangar 11250-5 at North County Airport. Guests are welcome to attend two meetings but are expected to join the Chapter at the third. Dues are \$35 per year.

Notice

A COPY OF THE OFFICIAL REGISTRATION AND FINANCIAL INFORMATION MAY BE OBTAINED FROM THE DIVISION OF CONSUMER SERVICES BY CALLING TOLL FREE 800-435-7352 WITHIN THE STATE. REGISTRATION DOES NOT IMPLY ENDORSEMENT, APPROVAL, OR RECOMMENDATION BY THE STATE.

Newsletter

Contributions need to be in the editor's hands by the last Wednesday of the month preceding publication, unless the moon is full, in which case the deadline is the Thursday preceding the first Wednesday prior to the next scheduled meeting of the Editor's staff. **Be an Author!! Send us something.**

Other Stuff

Board of Directors Meeting

Please contact President Bill Siegel for time and place of each monthly meeting.

Editor's Report

May 2024 Newsletter.
117 Email Notifications Sent.

Membership

37 Current Paid Members
03 Honorary Members

Advertising

Two and one-half column-inches costs \$5.00 per month. A half-page ad is \$15.00 per issue. Digital artwork or photos are preferred. Contact the editor for further details.

Chapter 203 members with email addresses on file will receive email notification of the link to the on-line edition of "Hangar Talk". Send your email address to the editor at Scott Thatcher, 423 SW Talquin Lane, Port Saint Lucie, Florida 34986. 561-818-0499 or sdthatcher@bellsouth.net.

Disclaimer

The content of this newsletter is provided for entertainment only. No claim is made, nor assurance given, for the accuracy of the material presented, nor do we verify anything before we print it. **Send rumors.**

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