

Massachusetts Air and Space Museum—The Landing (K-Mart Plaza) 790 Iyannough Road Hyannis, MA 02601

www.massairspace.org

The United States Department of the Air Force—Boeing X-37B <u>Team to Receive the 2019</u> <u>Robert J. Collier Trophy</u>

Washington, DC, August 13, 2020 – The National Aeronautic Association (NAA) is pleased to announce that the United States Department of the Air Force – Boeing X-37B team has been named as the recipient of the 2019 Robert J. Collier Trophy for "... developing and employing the world's only reusable, autonomous spaceplane, which logged



MASM's Georgia Pappas

more than 2,865 days in orbit across five missions, changing access to space and serving as the nation's workhorse in space experimentation and technology." "The X-37B team win of the 2019 National Aeronautic Association, Robert J. Collier Trophy exemplifies the kind of lean, agile and innovative technological development our nation needs to secure its interests," said U.S. Space Force Chief of Space Operations, Gen. John "Jay" Raymond. "The ability to test new systems in space and return them to Earth is unique to the X37B and enables the U.S. to more efficiently and effectively develop spacepower to maintain superiority in the space domain." The Collier Trophy is awarded annually for the greatest achievement in aeronautics or astronautics in America, with respect to improving the performance, efficiency, and safety of air or space vehicles, the value of which has been thoroughly demonstrated by actual use during the preceding year." The list of Collier recipients represents a timeline of air and space achievements, marking major events in the history of flight dating back to 1911. "We are honored to receive the Collier Trophy, along with our partners at the U.S. Department of the Air Force, in recognition of a record-breaking year for the X-37B program," said Boeing Defense, Space & Security CEO Leanne Caret. "The extraordinary men and women who make up our government-industry team now take their place alongside the Collier Trophy legends who preceded them. They have made a lasting impact on aerospace development for the past decade and will influence future generations of space systems to come." "The X-37B team should be commended for their accomplishments over the last decade and more importantly for what they accomplished in 2019," said NAA Chairman Jim Albaugh. "As the



world's only autonomous, reusable spaceplane, it continues to contribute to our understanding of both space and air flight." The Collier Trophy Selection Committee, comprised of 35 aviation and aerospace professionals, reviewed presentations from nine nominees and selected the X-37B team as the recipient on August 11. Members of the Collier Trophy Selection Committee: Richard Aboulafia, Teal Group Jim Albaugh, Chairman, NAA Christopher Brunner, Raytheon Technologies Steve Champness, Atlanta Aero Club Leda Chong, Gulfstream Aerospace James Darcy, Airbus Rich Hanson, Academy of Model Aeronautics Duane Hawkins, Spirit Aerosystems David Hurley, Aviation Partners Margaret Jenny, MJenny Strategies Tim Keating, The Boeing Company Leo Knaapen, Bombardier Aviation Charles Lyon, Northrop Grumman Samantha Magill, Vice-Chair, NAA Elizabeth Matarese, Secretary, NAA Mary Miller, Signature Aviation Mary Claire Murphy, Textron Ken Panos, Aerojet Rocketdyne Georgia Pappas, Aero Club of New England Eric Pierce, Lockheed Martin Donald Pointer, Dassault Falcon Peter Prowitt, GE Aviation Mark Rector, Honda Aircraft Com-

pany Darryl Roberson, Rolls-Royce, North America Blake Scholl, Boom Aerospace Todd Simmons, Cirrus Aircraft Amy Spowart, National Aviation Hall of Fame Bob Stangarone, Stangarone & Associates Ellen Stofan, Smithsonian's National Air & Space Museum Alyssa Ten Eyck, Embraer Brad Thress, FlightSafety International Read Van de Water, Safran Tony Velocci, Aviation Week (Ret.) Patty Wagstaff, Patty Wagstaff Airshows, Inc. Clyde Woltman, Leonardo Company.

The National Aeronautic Association is a non-profit, membership organization devoted to fostering America's aerospace leadership and promoting public understanding of the importance of aviation and space flight to the United States.

At the Barnstable Municipal Airport, those who visit the waiting room before a flight will soon be able to view artwork that depicts every type of aircraft that has called that airport home. Each airplane is in the livery used when it flew from HYA. Thanks goes to MASM's Media Specialist Shannon Brown for all her work on this project.

The museum's special guest of honor cutting the ribbon marking the grand opening was esteemed pilot and museum benefactrix Anne Bridge Baddour. Anne was joined by Chairman of the Board Joe Dini and Barbara Jagla, MASM's Curator.

The ever-expanding collection of artifacts and historical memorabilia of the museum includes exciting new displays available to museum goers. From detailed historical perspectives to immersive flight simulators, there is something for everyone to explore, appreciate and enjoy!





The Story of the Anne Bridge Baddour Exhibit



Anne Bridge Baddour is one of the original Pathfinders of the Massachusetts Air and Space Museum. She is a former research pilot with MIT's Lincoln Laboratories and a past member of the boards of directors of the Smithsonian Air and Space Museum's Udvar Hazy Museum and Daniel Webster College, amongst others. She has been highly influential in guiding women in aviation, supporting aviation education and set up funding of a scholarship program for Aero Club of New England. She has won numerous awards, including the prestigious Harmon Trophy which is on display at the Hyannis Museum.

Bob Segal, who is both President of MASM as well as the museum exhibition designer, designed the exhibition casework, graphics and display. The models shown in and around the exhibit represent a few of the many aircraft Anne has flown including an F/A 18 Hornet.

The exhibit case was a while in the making because of the complexity of juggling the museum opening in Hyannis, the need for a variety of vendors

to generate and deliver their products, the custom handmade model mounts which had to be created after the





basic display case was installed, all of which was topped off by the Covid-19 crisis and restrictions. The models in the case are mounted to give the appearance of flying as opposed to being displayed on stands.

Segal installed the exhibit's graphics, maps and models used in the case. Keith Young and Barbara Jagla created an exciting environment surrounding the case area by adding numerous elements including photos, models, awards, an oil painting of Anne and explanatory text panels to complement the content.



Assembly of the exhibit is where the plan all comes together!



BPACE ... THE FINAL FRONTIER

NASA's Shuttle flight STS-73 carried a very special payload specialist, Albert Sacco. Not only was he born in the Bay State, he attended Northeastern University and MIT where he obtained a PhD in chemical engineering. He then joined the faculty at Worchester Polytechnical Institute where he rose to the position of department head. You can see that he took his WPI pennant to space.

Visit the museum and check out the exhibit that includes insight into the Space Shuttle program that ran from 1981 through 2011, and learn more

about Al Sacco and STS-73.



Albert Sacco, Payload Specialist Born: Boston Massachusetts



Now on Exhibit at the Museum



The *Flying Santa* is a New England tradition that started in 1929 when Christmas presents were flown and dropped from float planes to many lighthouse keepers and their families. This initiative came from William H. Wincapaw of Friendship, Maine. Wincapaw was a float plane pilot who flew both people and cargo along the coast of Maine. As anyone who has navigated the seas or the airspace there, it can often be so foggy you can't navigate. But Wincapaw had an ace to help him: lighthouses. To show his appreciation to those who keep the lights burning, he loaded up his plane with candy, coffee, magazines, and anything else that could make living on an isolated island bearable.

This practice became so popular that he expanded his reach to other lighthouses along the New England coastline. Famed New England author Edward Rowe Snow accompanied Wincapaw on his flights and assumed the reigns of the program in 1939, even though Snow was not a pilot.

Today, the flights are accomplished with the use of a helicopter. A nonprofit organization called the *Friends of Flying Santa* was founded in 1997 to keep the program going in order to pay tribute to the men and women who keep the beacons glowing in the fog protecting mariners both at sea and in the air, and to show gratitude to the men and women of the United States Coast Guard for the vigilant work they do every day, now on exhibit at the museum.



This is a photo of the presentation to Richard McSpadden, Exec Director AOPA Air Safety Institute, by Dr. Gary Kearney & Georgia Pappas, Aero Club of New England (ACONE). Col. McSpadden was presented with the ACONE's Presidential Award for his leadership and dedication to general aviation safety. Prior to joining AOPA, Col McSpadden closed his Air Force career as the Commander & Flight Leader of the US Air Force Thunderbirds.



Introducing **Bryan Mckay**, MASM's new Operations Manager at the museum. Bryan will be coordinating the efforts of volunteer docents as well as handling the day-to-day operations of the museum and gift shop. Be sure to say hello to Bryan when next you visit the ever-expanding air and space museum.

C.A.V.U

Most people familiar with aviation know that the abbreviation "CAVU" stands for "*Ceiling and visibility unrestricted*." In this recurring feature of *Horizons*, your ability to see clearly into the history of aviation will be tested through identification of flying machines that once were. The first reader who submits the correct answer will be entitled to bragging rights and have their name and answer published in the subsequent edition of *Horizons*. Submit your name, the name of the aircraft, the type or version (if applicable), and the country where it was manufactured to the editor-in-chief of *Horizons* at: horizons@massairspace.org



Here is your challenge for this edition:

September 2020 Edition's Answer:



Shorts SC.7 "Skyvan" - Great Britain
Three-crew utility light transport—Max. speed: 203 MPH (327 km/h)
Ceiling: 22,500 ft (6,860 m) Range: 694 miles (900 km)
Dry weight: 7,344 lb (3,331 kg) Max. take-off weight: 12,500 lb (5,670 kg)
Dimension: Wing span: 64 ft 11 in (19.79 m); length 40 ft 1 in (12.21 m); height 15 ft 1 in (4.6 m); wing area 373.0 sq ft (34.65 m)
Powered: two 715-shp (533 kW) Garrett TPE331-201 turboprops
Payload: 22 passengers or 4,600 lb (2,086 kg) of freight
Correct Answers: Steve Rocketto, Thames River Composite Squadron, Civil Air Patrol, Groton, Connecticut. MASM Board Chairman Joe Dini also correctly identified this aircraft.



Indicia Or Stamp

Current Resident or:

The Massachusetts Air and Space Museum has come to life in Massachusetts on Cape Cod. Your help is still needed to keep this vision alive and growing. Send your tax-deductible contribution to:

> Massachusetts Air and Space Museum Mailing Address: 200 Hanscom Drive Bedford, Massachusetts 01730

Your donation of \$25.00 or more will automatically enroll you as a Member of MASM with the benefits as outlined on our web site (<u>www.massairspace.org</u>). You will receive our electronic newsletter "*Horizons*" which will be emailed to all friends of the museum free of charge. This publication is informative and interactive, and viewing it online you will find links that will connect you to an entire world of aviation and space history. You will also receive periodic electronic updates through the "*Air-Mailer*."

If you want to join us in supporting the museum right now, go to:

https://www.massairspace.org/join/

Fill out the form, including your email address, and start enjoying the benefits of membership right now. Your personal information stays with the museum and used only to bring you news and information about museum activities. Join us today!

Horizons is a production of Berkshire Cottage, LLC 148 Union Street, Milford, NH 03055-4430 for the Massachusetts Air and Space Museum Editor-in-chief: Paul D. Bagley, esq. paul@berkshirecottage.com





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300+ Foot Wingspan?



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