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Note from the Chairman  

This FLIER announces meetings and reminds you of meetings previously announced.  

We are continuing in-person meetings in June with our first dinner meeting in four years. Our speaker is coming here from NASA Langley. **Please support the Long Island Section by having a great dinner and hearing a great presentation.** The meeting announcement is on the next page.  

Our May meeting at the Cradle of Aviation Museum was well-attended. John Connolly told us about lunar landing modules from the Apollo LM to the HLS.  

We have lost touch with a long-time AIAA and Long Island Section Council member, Dr. Anthony Agnone. If anyone has current information about Tony, or a current phone number or e-mail address, please send it to me. Thank you for that.  

Thank you,  
Dave Paris, 516-458-8593 davidsparis@twc.com  

EVENTS CALENDAR  

**June 14, AIAA Long Island Section Annual Dinner Meeting.** Dr. Andrew Owens of the NASA Langley Research Center speaking about “Logistics, Supportability, and Risk for Human Missions to Mars.” Full details on page 2.  

**June 25, AIAA Long Island Section Field Trip to Floyd Bennett Field.** Visit the Ryan Visitor Center and Historic Aircraft Restoration Project, Details on page 3.  

We are planning additional meetings for the fall. Please check future FLIER issues for information.  

We would appreciate your suggestions for future section meetings. Please send suggestions for topics and/or speakers to **davidsparis@twc.com** or to any other member of the Long Island Section Council.  

Upcoming AIAA Conferences:  

2023 AIAA Aviation and Aeronautics Forum and Exposition, June 12-16, 2023  
San Diego, CA & ONLINE  
Covers the entire integrated spectrum of aviation business, research, development, and technology.  

2023 AAS/AIAA Astrodynamics Specialist Conference, Aug 13-17, 2023  
Big Sky, Montana.  
Organized by the American Astronautical Society Space Flight Mechanics Committee and co-sponsored by the AIAA.
Future human spaceflight missions beyond Low Earth Orbit (LEO) will be more logistically challenging than any previous or current crewed missions. The International Space Station (ISS), which has sustained a continuous human presence in space for over two decades, receives regular resupply from Earth every few months, and in the event of an emergency astronauts can quickly abort and return home. Missions to Mars will take astronauts millions of miles from Earth for years at a time, without access to timely abort or resupply. In this logistically-isolated environment, supportability—defined as the set of system characteristics that drive the resources required for safe and effective system operations—will be a more significant driver of campaign, mission, and system characteristics, especially risk. This presentation will give an overview of the logistics and supportability challenges of human missions to Mars and the strategies and solutions being explored to enable safe crewed missions beyond LEO, such as in-space manufacturing and design for maintainability.

Dr. Andrew Owens is an aerospace engineer in the Space Mission Analysis Branch (SMAB) at NASA Langley Research Center in Hampton, VA, where he works on integrated systems analysis, trade space exploration, and optimization to inform space system and mission design, particularly in the areas of risk and supportability. Dr. Owens received a BS in mechanical engineering from Rice University and an SM in aeronautics and astronautics and PhD in space systems from MIT, where he held a NASA Space Technology Research Fellowship.

**Directions:** Borrelli’s Restaurant is on the south side of Hempstead Turnpike, between the Meadowbrook Parkway Exit M5 (Hempstead Turnpike) and Merrick Avenue.
Sunday, June 25, 2023

Floyd Bennett Field AIAA Field Trip
Ryan Visitor Center and Historic Aircraft Restoration Project

Meet at: William Fitts Ryan Visitor Center
Floyd Bennett Field
Gateway National Recreation Area
Brooklyn, New York 11234

Time: 10:00 am

Cost: Free of Charge

RESERVATIONS REQUIRED
ATTENDANCE LIMITED
RSVP BY June 23, 2023
to: Greg Homatas at greghomatas@gmail.com
or (718) 812-2727

In 1931, Floyd Bennett Field opened as New York City's first municipal airport. The Ryan Center has been restored to reflect that period and features many exhibits as well as the control tower. We will visit the Ryan Center, and we will carpool over to the Historic Aircraft Restoration Facility (HARP) located in Hanger B on the east side of Floyd Bennett Field. This facility is dedicated to preserving the aviation history of Floyd Bennett Field. Since 1995, volunteers have worked tirelessly to restore vintage aircraft to near museum quality condition. HARP was constructed by the US Navy during World War II. It originally served as the base for VRF-4, one of the squadrons of the Naval Air Ferry Command which was headquartered at Naval Air Station, New York. Aircraft on display include a Consolidated PBY-5 Catalina patrol bomber, a Douglas C-47 Skytrain transport, a Grumman G-21 Goose utility amphibian and a Grumman HU-16 Albatross flying boat. One of the restored aircraft which reflects the golden age of aviation which is a full-scale replica of Wiley Post's Lockheed Vega, the Winnie Mae.

Our walking tour of the Historic Aircraft Restoration Facility will be guided by a National Park Service representative from the Gateway National Recreation Area. Participants are advised to dress comfortably, bring a bottle of water to keep well hydrated, wear comfortable walking shoes and bring a sunhat and sunscreen. Don’t forget to bring your cameras. The length of the tour is expected to be about two hours. Lunch on your own afterwards or head home.

For more information, visit the Website:—http://www.jbrpc.org/fb
And also https://www.nps.gov/gate/planyourvisit/hours.htm

Driving Directions: Belt Parkway to Exit 11S onto Flatbush Avenue south. About 1.1 miles south of Belt Pkwy, at first traffic light, turn left into the park prior to the toll plaza. Do not cross over the Marine Parkway Bridge. If you see a toll plaza ahead, make a U-turn. Make a left on Floyd Bennet Drive and a left on to the main runway. There is a Control Tower on the Ryan Center. Park at the Ryan Center. Please see map on next page.

Mass Transit: Take the #2 or #5 train to Flatbush/Nostrand Avenues, Brooklyn College. Transfer to the Rockaway Park Bound Q 35 Bus. Ask the bus driver to let you off at Aviator Sports/Ryan Visitors Center across from a marina. Cross Flatbush Ave. The Ryan Visitors Center is in front of you.
Map of Floyd Bennett Field