



**AIAA
Section Meeting**

Thursday, January 17, 2019

**Sue Rose
Retired Air Traffic Controller**

And President, Amateur Observers' Society

Air Traffic Control - Past, Present and Future

**Location: Bethpage Public Library
47 Powell Avenue
Bethpage, NY 11714**

**RESERVATIONS REQUESTED
RSVP BY Jan. 16, 2019
to: davidsparis@twc.com
or 516-458-8593**

**Time: 6:00 PM Social Time
6:30 PM Pizza
7:00 PM Presentation**

**Cost for Pizza: \$7 Members and Guests
Free for Students**

You are comfortably sitting in your window seat on your flight from New York to LA. You just interacted with airline ticket counter people, baggage handlers, staff at the gate, and flight attendants. You may even have seen the flight crew as you walked by the cockpit. But behind the scenes, another group of people is keeping you safe. From the moment the aircraft is ready to move until it is safely at the destination gate, the pilot is communicating with highly trained air traffic controllers who are assuring that your aircraft is safe on the ground and in the sky. In this presentation, retired air traffic controller Sue Rose will follow a flight from gate to gate and introduce us to all the people who watch over the flight along the route. Air traffic control (ATC) directs aircraft on the ground and in national airspace keeping aircraft safely separated and providing information to pilots. The first airport traffic control tower opened in Cleveland in 1930. As the new aviation industry grew, there was a need for regulation. Sue will explain why and how it got started. ATC has grown over the years with new technology applied to keep aircraft and passengers safe. What does the future hold and who will be in control?

Sue has always been fascinated with astronomy and everything science. Her first flight was at age 5 in her uncle's home-built airplane. After earning a degree in geology with minors in oceanography and physics, she worked at the Hall of Science in Flushing running the Planet Earth Lab. and was Assistant Director of the Planetarium. During a break, she attended a presentation on ATC during an Aviation Career Day. She took the test and after spending 5 years on a waiting list was called up in 1981. After finishing Air Traffic School in Oklahoma, she was assigned to JFK where she remained until retiring in 2008. While at the Hall of Science, she joined the astronomy club which met there, the Amateur Observers' Society. She became the first adult member and has been President since 1990. The AOS meets at Hofstra University, runs the observatory for the astronomy department and runs 3 of their own. As soon as NASA puts out a bid for Space Traffic Controllers, Sue will submit her resume.

Directions: The library is west of Route 135 in Bethpage. Take Route 135 to Exit 8, then West on Powell Ave. for about 0.25 miles. The library is on the south side of the street. Park across Powell Ave., opposite the library.