

Sussex Amateur Radio Association

Minutes

August 18, 2016

Sussex Pines C.C., Georgetown, DE

Meals were served prior to the meeting.

2 Applicants were present for FCC testing.

- Jeremy Blick, KC3FRZ upgraded to General
- Norman Malmberg passed Technician exam

22 members were in attendance.

Vice President Chuck Betyeman presided, and called the meeting to order at 7:15 P.M.

Pledge of Allegiance

Moment of Silence

Introductions

Presentation

Jamie Ashton, W3UC – Satellite Communications

Jamie brought two satellite antennas for the presentation: a portable log periodic, and a 2M/440 MHz antenna with 2 HTs attached (uplink and downlink).

The 2M/440 antenna works on a tripod and is made of arrow shafts.

There was a slide presentation giving the history of satellites for amateur radio use.

Equipment requirements are a full duplex radio system and a directional antenna. Five watts power is all that is needed.

Frequency guides are published for center frequencies. Receive frequency must be adjusted for Doppler effect. Use 2.5 kHz tuning steps on receive, not 5 kHz.

Use the AMSAT website or satellite tracking programs to determine when satellites are near your location.

67 Hz PL tone is common on most satellites.

Before you transmit, listen, and get good reception. Do not call CQ.

Use grid locators.

Vertical antennas do not work well on satellites due to low power.

K7AGE has a video posted on satellite use.

Courtesy is required. Satellites are repeaters in space.

Do not use squelch.

Satellites tumble and the tumbling causes odd polarization.

The typical “bird” is 4” x 4” x 4” in size. They are often used as ballast for experimental payloads in space.

Vice President’s Report – Chuck Betyeman

None

Secretary’s Report – Herb Quick

Minutes from the July 21, 2016 meeting were distributed via email and were posted on the website. Herb moved for acceptance of the minutes.

Action: Motion was seconded and approved by the membership.

Treasurer’s Report – Ray Deskins

The Treasurer’s report for July was distributed to the membership via email.

Ray moved for acceptance of the report.

Action: Motion was seconded and approved by the membership.

Repeater Committee – None

Hamfest – Bill Duveneck

Vic Gumper (Hamfest Chairman) is sending invitations to big vendors. Ham Radio Outlet is coming.

Hamfest date is April 20, 2017.

ARRL – Bill Duveneck

- The Amateur Radio Parity Act will go to the floor of congress in September (probably).
- The Dayton Hamfest will be held in Xenia, OH.
- The Virginia Beach Hamfest is upcoming.
- Simulated Emergency Test (S.E.T.) is scheduled for October 1, 2016. The goal is to have the maximum number hams possible participate in the event. If you have any ideas regarding the S.E.T., contact Bill Duveneck, Chuck Betyeman, or Herb Quick.

Fox Hunt – Chuck Betyeman

6 members are interested in the Fox Hunt.

After the Fox Hunt, there will be a picnic at Chuck's place.

The date of the event is September 11, 2016.

An email regarding the event is forthcoming.

ARES – Chuck Betyeman

- The next ARES meeting is scheduled for September 14, 2016 at Sussex Tech.
- The Bethany Triathlon is scheduled for September 18, 2016.
- The Dogfish Dash is scheduled for September 25, 2016.

RACES – Jay Rutherford

- The Rehoboth Marathon is scheduled for September 3, 2016
- Three or four public service events, including Return Day, are on the calendar.

Old Business – None

New Business

Herb Quick discussed use of Federal Registration Numbers (FRN) by prospective hams instead of Social Security Numbers. Security and privacy concerns are causing the push for FRN use.

Old Business - None

50/50 Drawing – None

Meeting adjourned at 8:00 PM.

Respectfully submitted,

Herb Quick, KF3BT

Secretary