

KALAMAZOO AMATEUR RADIO CLUB
MINUTES THE CLUB MEETING
Thursday, June 21, 2018

A meeting of the Kalamazoo Amateur Radio Club was held on Thursday, June 21, 2018 at the Pavilion in Flesher Field, Oshtemo, MI.

Present: 18 members and 2 guests

- 1. Call to Order:** Ed (KD8WAV) called the meeting to order at 7:00 pm (Eastern Daylight Time) and Mark (KE8HAA) recorded the minutes. Members and guests introduce themselves, by call sign or otherwise.
 - a. Printed agenda, minutes of the Club meeting of May 17, Amateur Satellite Frequency Guide for April 2018 (2 pages from AMSAT), and UHF SATCOM Satellite Downlinks Receivable in North America (4 of 31 pages from Matt Blaze from QST) were distributed.

- 2. Announcements:** Ed (KD8WAV)
 - a. The widow of SK N8LQR has donated back issues of **QST** to the Club. The back issues run from 1933 through the mid 1970's. These will be stored at or near our radio room at the Southwest Michigan Chapter of the American Red Cross.
 - b. There will be no Growler's baseball event involving KARC this year.
 - c. New clear tip jars (for fund collections) are being use at meetings.
 - d. There has been a very large anonymous donation made to refurbish our ailing repeater. About 10 individual donations of \$25 should provide enough funds to complete the project without going into the KARC treasury.

- 3. ARRL Field Day 2018:** Dave (KE8DI)
 - a. Dave explained the move from Flesher Field. A wedding reserved our regular Field Day space and we were given the treeless athletic fields at the other end of the park. We have moved to a spot behind the Oshtemo Township Hall and Fire Station #1. It is off M-43 about one half mile west of the 9th Street intersection. After the regular meeting interested parties will travel to preview the new site.
 - b. Friday evening after work – initial setup.
 - c. Saturday morning – continued setup.
 - d. Saturday 2 p.m. Field Day starts.
 - e. Sunday 2 p.m. Field Day ends.
 - f. We need relief and fill-in operators as well as help with setup and take down.

- 2. Educational Presentation:** Charles (WD8AXA) talked about and demoed equipment for communications with military satellites. In the 1980's the US placed a number of geosynchronous satellite above the equator. These communicated with frequencies of 249-280 MHz in 10 KHz bands. The satellites act as repeaters with what goes up also comes down. Brazilian truckers now often use the satellites for communication or singing in Portuguese as we heard in the demo. In the 2010's new geosynchronous satellites named UFO1, 2, 3, 4, and 5. Were launched and "parked" behind the original sats. These offer about 100 channels.

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Charles gave some hints for communication using ASMSAT satellites. Leave the transmit frequency alone and tune the receiver for doppler shift as the satellite crosses the sky. More advice was listen first and several times before attempting to transmit to a satellite

3. Officers Reports:

- a. There were no officer reports.

4. Old Business:

- a. There was no old business.

Adjournment: There being no further business to come before the meeting, the meeting was adjourned at 7:19 pm (Eastern Daylight Time). Some of those at the meeting drove to visit the new Field Day site.

Respectfully submitted, _____ Mark Kerstetter (KE8HAA), Secretary