



The County Static

Genesee County Radio Club. W8ACW

Genesee County Michigan. Since 1933.

Public Service Communication. An ARRL Special Service Club

Web Site at: <http://w8acw.org/>

Facebook: <https://www.facebook.com/groups/423853624347124/>

August 2021

Volume 21 Number 8

2021 GCRC Officers:

President Jeff Parker, KE8ICG president@w8acw.org

Treasurer Bobbie Vasilow, W8GSX treasurer@w8acw.org

Secretary Don Davidson, WB8HOE secretary@w8acw.org

Trustee John Kroll, K8LJG trustee@w8acw.org

Member at Large Bob Dunn, KE8OOK redbearm20@gmail.com

Editor for The County Static. Mitchell Grant, KD8ZXU editor@w8acw.org

Genesee County ARRL Emergency Coordinator Greg Zaleski

N8FVZ gzaleskid@sbcglobal.net

Latest News

Next meeting August 17 via Zoom. Details page 2

Amateur Radio Operators needed this month. Please see details page 3.



Presidents Report

Greetings everyone, I hope your all doing well. Hard to believe its August already. Time flies when your having fun. Sorry we were not able to meet in person this month, but we do have a couple places in the works for meetings. Fingers crossed Covid doesn't interfere again. We will be meeting by Zoom again this month. Please try to attend! A couple things we are ready to start up soon, Lunch bunch, if someone would like to head that up. Please let us know and we'll post it online and announce at meeting. Also one of the criteria for our new meeting place is the ability to start doing presentations and VE testing. Those we hope to have up and running soon also.

Our Thursday night net is lacking in participation to say the least. If anyone has ideas on how to improve our attendance please let me know. If you would prefer, email me directly at president@w8acw.org.

My apologies for not reporting in static lately. There has been a mixup in communications getting them in. Hoping we have it worked out. If anyone has an article or story to share or pictures of ham related stuff, maybe your shack or antenna project. Please email them to editor@w8acw.org. That's all for now,

73's

Jeff Parker KE8ICG

President

W8ACW-GCRC

17 August Meeting VIA Zoom

Join Zoom Meeting

<https://zoom.us/j/92152341481?pwd=ajlQNUZyZjJOam1mRmRZWEIrRGRjZz09>

Meeting ID: 921 5234 1481

Passcode: Transmit21

One tap mobile

+16465588656,,92152341481#,,,,,0#,,8386617861# US (New York)

+13017158592,,92152341481#,,,,,0#,,8386617861# US (Washington D.C)

Dial by your location

+1 646 558 8656 US (New York)

+1 301 715 8592 US (Washington D.C)

+1 312 626 6799 US (Chicago)

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

Meeting ID: 921 5234 1481

Passcode: 8386617861

Find your local number: <https://zoom.us/u/akFWS4FK9>



Genesee County Radio Club Inc -August 2021-Treasurers Report

Roberta(Bobbie) Vasilow - W8GSX

We now have 37 active members, that includes 31 paid and 6 life members. Have you paid your 2021 dues?

You can now use PAYPAL to pay your dues, check it out on the website! <https://w8acw.org/>

The current balance in the treasury is \$8026.49

Be safe, 73's, Bobbie

Radio Amateur Volunteers Needed This Month!

The Crim race, 28 August, and the Linden First Try Triathlon 21 August, are looking for radio operators.

For more info on the Crim contact Genesee County ARRL Emergency Coordinator Greg Zaleski N8FVZ gzaleskid@sbcglobal.net See bottom of July calendar page 5 for upcoming meeting.



Linden First Try Triathlon

The 10th Linden First Try Triathlon is on for Saturday 8/21/21! This is an entry level triathlon encompassing a 300 yard swim, 11 mile bike and 2 mile run. Ask any operator that has worked this event over the years and they will tell you it's a favorite. The atmosphere is extremely supportive, encouraging and fun! Amateur radio has proven invaluable for a course this extensive & involved. If you have ever wanted to get involved in public service at a smaller event, this is the event for you! Contact me here or email me timwm8a@gmail.com
Tim Crane WM8A



July Net Report 2021

Traffic: No messages passed during nets this month
QNI: Total of 9 QNI's from 6 stations
Net Control Stations Were: KE800K

Our Monthly Report is as follows:

Net Name: Genesee County Radio Club Thursday Night Net

Net Manager: Jeff K8KZB

Check-Ins (QNI): 6

Traffic (QTC): 0

Net Time (QTR): Hours .50

Sessions: 3

Man Hours (QNI * QTR): 3 Man Hours

* Net controllers please be sure to include yourself first in the online log, then enter the Start/End times, # of traffic and # of QNI's in the comments section next to your name in the online log.

KE800K	3
KE8REX	2
KD8ZXV	1
W8KPU	1
KE8ICG	1
N0UPE	1

If you have any corrections that need to be made, please contact Mitch (editor@w8acw.org) for updates.

Other Genesee County Nets

Monday Night 8 PM

GC-ARPSC ATV-Digital Net 147.260Mhz +100 hz PL tone <http://www.gc-arpesc.org/>

Wednesday Night 8 PM

GC-ARPSC Traffic and Training Net 147.260Mhz +100 hz PL tone <http://www.gc-arpesc.org/>

Lapeer County Nets

LCARA Tuesday Night 2 Meter Net 146.620 -100 Hz PL Tone <http://w8lap.com/nets/>

8 PM except on second Tuesday due to LCARA meeting.

LCARA 440 D-Star Net 8 PM Wednesday Night

W8LAP /B – 442.750 MHz +5.00 MHz offset, module B <http://w8lap.com/nets/>

Livingston County Net

W8LRK Thursday Night Net 8PM

146.680-162.2Hz PL tone

Club and Local Nets

Phone Nets:

Thursday Night Net:

The Net begins each Thursday night at 7:00 PM local time and is a directed Net ran by one of our members. We talk about the club and everything else related to ham radio so be sure to check us out on the 2 meter repeater:

147.340Mhz+ (100hz pl tone)

or the 70cm repeater:

444.200Mhz+ (107.2hz pl tone)

Both repeaters are linked for this Net. All licensed amateurs are welcome to check in.

CW Nets:

QMN Early Net:

This Net begins each night on 3563khz at 6:30 PM local time.

This is a directed Net and all are welcome to check in. For more information go to:

<http://michigannet.org/>

QMN Late Net:

This Net begins each night on 3563khz at 10 PM local time.

This is a directed Net and all are welcome to check in. For more information go to:

<http://michigannet.org/>

Ham Radio in Michigan

<http://www.mi-arrrl.org/>

Announcements/Information

Michigan Section of ARRL <http://www.mi-arrrl.org/>

Michigan ARRL Representatives

Dale Williams WA8EFK, Great Lakes Division Director

Thomas Delaney W8WTD, Great Lakes Division Vice Director

Jim Kvochick K8JK, Michigan Section Manager

Club Night Location and Time

In person club meeting on hold.

Lunch Bunch.

No lunch bunch until further notice.

Thursday Night Net Control Operator Openings

Attention club members! Volunteer to be a Net Control Station operator for our clubs Thursday Night Net.

Put your license to good use and fun by volunteering to be the NCS.

It's easy, fun, and an excellent learning opportunity. If you want, one

of our club members can come to your QTH and assist you your first time or two. Being a licensed ham radio operator is not just about transceivers, antennas and fancy electronic equipment, its all about club members helping club members, other Ham's, and the community.

Licensing Classes: Get On The Air (GOTA)

Due to the continued pandemic concerns, I have not scheduled any in-person classes. Now that other VE teams are offering online exam sessions, which a few of our club members have taken advantage of, I am considering running Zoom classes. Please let me know if you're interested in taking an online class with me. Interested students should send an email to me:

wa8my@arrrl.net



Like these cool looking dust covers, hats and jackets?

Let everyone know your a member of the W8ACW radio club.

Contact Jeff, K8KZB, at Jse-repair.com or email jeff@jse-repair.com for price and options.



Club ID Badges now available.



Jeff also does radio repair.

August 2021

NOTE: Due to the COVID-19 virus, please check ahead of time to be sure the event is not canceled.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7 Siren Test
8 ARRL Contest Details below	9	10	11	12	13	14
15	16	17	18	19	20	21 Linden First Try Triathlon ARRL Contest Details below
22 ARRL Contest Details below	23	24	25	26	27	28 CRIM RACE
29	30	31	1	2	3	4 Siren Test
5	6	7	8	9	10	11

7-8 August ARRL 222 Mhz and Up Distance Contest <http://www.arrl.org/222-mhz-and-up-distance-contest>

21-22 August ARRL 10 Ghz & Up-Round 1 <http://www.arrl.org/10-ghz-up>

22 August ARRL Rookie Roundup-RTTY <http://www.arrl.org/rookie-roundup>

******Volunteers needed for the following events!******

21 August Linden First Try triathlon <https://www.trisignup.com/Race/MI/Linden/FirstTryTri>

Contact Tim Crane WM8A timwm8a@gmail.com

28 August HAP Crim Festival Of Races <https://crim.org/races/hap-crim-festival-of-races/>

Contact Greg Zaleski N8FVZ gzaleskid@sbcglobal.net

September 2021

NOTE: Due to the COVID-19 virus, please check ahead of time to be sure the event is not canceled.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1	2 TNN 7PM details page ?	3	4 Siren Test Details page ?
5	6	7	8	9 TNN 7PM details page ?	10	11 ARRL Contest Details Below
12 ARRL Contest Details Below	13 ARRL Contest Details Below	14	15	16 TNN 7PM details page ?	17	18 ARRL Contest Details Below
19 ARRL Contest Details Below	20	21 W8ACW Monthly meeting	22 Autumnal Equinox Fall Begins	23 TNN 7PM details page ?	24	25
26	27	28	29	30 TNN 7PM details page ?	1	2
3	4	5	6	7 TNN 7PM details page ?	8	9

11 September GRAHamfest 2021 <https://w8dc.org/grand-rapids-area-hamfest/>

11-13 September ARRL September VHF <http://www.arrl.org/september-vhf>

18-19 September ARRL 10GHz & Up-Round 2 <http://www.arrl.org/10-ghz-up>

18 September Cadillac Hamfest <https://www.wexaukeearc.org/>

18 September Central Michigan Amateur Radio Club <http://www.arrl.org/hamfests/central-michigan-amateur-radio-club>

18 September GMARC September Trunk Swap <http://www.gmarc.org/wp/>

19 September Adrian Hamfest <http://w8tqe.com/>



NATIONAL TRANSMITTERS

National NTX-30 CW Transmitter

\$11700
Cash
57 PTM 9014
Terms: \$10 Down
See Page 2

(A) A compact, highly efficient transmitter or RF exciter for four band operation. Push button band change control. 6L6 crystal oscillator, three 6L6 buffer doubler stages, and parallel 6L6's in RF stage. The three doubler stages drives amplifier on 10, 20, 40, and 80 meters. Metering of all circuits. Keying is in final amplifier, or in oscillator for break-in work. Plug-in tank coils. Normal input 60 watts. Power output 30 to 40 watts. Suitable for phone operation if modulator listed below is provided. For 110-volt, 60-cycle AC.

57 PTM 9014—Complete with tubes, tank coils for 10, 20, 40, and 80 meter operation. 4-in-1 crystal holder. No crystals. Black wrinkle finished table model metal cabinet. Shpg. wt., 70 lbs. See Page 2 for Terms. Cash Price.....\$117.00

57 PTM 9347—Relay rack model. Shpg. wt., 74 lbs. Not carried in stock.

National NTE Exciter and Speech Amplifier

\$12900
Cash
57 PTM 9015
Terms: \$10 Down
See Page 2

(B) The new National Combination Exciter and Speech Amplifier is the ideal answer to transmitter control at the operating position. It includes a versatile multi-band exciter unit with a choice of frequencies in each band, and a high-gain speech amplifier. The exciter can be used with either a conventional single crystal, a National "Vari-gap" variable frequency holder, or a National four-crystal multiple holder, although the multiple holder is usually supplied. The crystal oscillator is followed by three frequency-multiplier stages using 6L6's. The crystals can be controlled from the front panel, and the same is true of the frequency-multiplier stages which are selected by a convenient interlocking push switch of special low-loss design. The four-stage amplifier delivers 10 watts output from PP 2A3's with an input of .005 Volts. Although the power supply is entirely self-contained, the hum level is exceedingly low. A meter is provided for circuit adjustments.

Table models are furnished in black wrinkle-finish steel cabinets to match the NC-101X receiver.

57 PTM 9015—NTE-A Exciter-Speech Amplifier for 5, 10, 20, and 75 meters. Table model. Not Mailable. Shpg. wt., 70 lbs. Cash Price.....\$129.00

57 PTM 9016—NTE-B. Same as above but for 10, 20, 40 and 75 meters. Shipping weight, 70 lbs. Cash Price.....\$129.00

57 PTM 9017—NTE-C. Same as NTE-B except without speech amplifier. Shpg. wt., 70 lbs. \$93.00

We can supply on special order relay rack models of the above at an additional cost of \$6.00 for black wrinkle finish, or \$9.00 for black leather-like enamel or gray enamel finish. State choice. Allow 14 days for shipment.

National 600-Watt Transmitter

\$10170
Cash
KIT 57 PTM 9009
Terms: \$10 Down
See Page 2

(D) One of the finest transmitters ever offered! Designed and built by National engineers to commercial standards, it gives top-notch performance and dependability on those high frequency bands where you want to step out and do business. Puts out a signal that will make the boys sit up and take notice. And now you can buy this "Commercial" type transmitter in kit form on Sears Easy Payment plan and save the cost of factory wiring and assembly.

Essentially an NTE-A or NTE-B combination R.F. exciter unit and speech amplifier with suitable components added to make a 600-watt (input) phone or C.W. rig for the 10, 20, 40 or 80 meter bands. A 35T buffer amplifier drives a pair of push pull 100TH's in the final amplifier. Compact open type construction used in buffer—final stage for short leads, high efficiency and easy accessibility. Uses XR plug in form. Modulators are push-pull 203Z's driven by NTE audio output. Conventional circuits used throughout. Transformers are the new Thordarson CHT series. Special Pi network enables efficient coupling to any type of antenna. Panels black crackle lacquered finish with engraved markings.

Complete kits include all component parts, meters, panels, hardware, instructions, etc. Easy to wire up in a few hours time. Tubes not included. Complete RF kit, unwired. Tubes required 1-35T and 2-100TH's. Shipping weight, 40 pounds.

57 PTM 9009—Not Mailable. Cash Price.....\$101.70

Complete Modulator Kit, unwired. Tubes required 2-203Z's. Shipping weight, 75 pounds.

57 PTM 9010—Not Mailable.....\$57.00

Complete medium voltage supply kit, unwired. Uses 2-866's. Shipping weight, 50 lbs.

57 PTM 9011—Not Mailable.....\$69.90

Complete high voltage supply kit. Uses 2-866 tubes. Shipping weight, 75 lbs.

57 PTM 9012—Not Mailable.....\$135.00

Pi network coupler kit. Shipping weight, 20 lbs.

57 PT 09314.....\$20.10

Complete kit of parts for transmitter and pi network coupler. Choice of NTE-A or NTE-B. Includes enclosed rack, all component parts, meters, coil forms, hardware, etc. but less tubes and crystals. Shpg. wt., 350 lbs. Write for Easy Payment Terms.

57 PTM 9013—Not Mailable.....\$590.42

National NSM Modulator

Type NSM Modulator [Not illustrated—similar in appearance to NTE (B) at right] is intended particularly for use with the NTX-30 Transmitter, shown above, but its many advanced features make it desirable for any modulating job within its 30-watt rating. Automatic Volume Compression, permitting high modulation levels without danger of overmodulation; DB meter indicating the amount of compression; four-position tone control.

Four stages of resistance-couple amplification with 57 input, 58 second stage, 6F8C phase inverter, and push pull 6L6G output—power gain approximately 135 db, output 30 watts—6X5 high voltage rectifier used in Automatic Volume Compression circuit—VR-150 Voltage Regulator. Two separate input circuits, one of which omits the first 57 amplifier tube.

57 PTM 9317—The type NSM Modulator, complete with tubes and mounted in the table model steel cabinet, finished in black wrinkle. Not Mailable. Shipping weight, 57 lbs.....\$78.00

Special Order

The following items are not carried in stock. Allow 14 days for shipment.

57 PTM 9318—Type NSM furnished with a ¼-in. steel relay rack panel. Not Mailable. Shipping weight, 60 lbs.....\$84.00

57 PTM 9319—NSM Modulator unit and NTX-30 transmitter available as a combination unit in a steel cabinet finished in black wrinkle, with equipment as listed with the single units above. Not Mailable. Shipping weight, 120 lbs.....\$207.00

NSA Speech Amplifier

(C) The new National Speech Amplifier has two input channels with an electronic mixer. One input circuit provides an over all gain of 125 db, and is suitable for crystal microphones, etc. The other input circuit has one less amplifier stage and is intended for high level sources such as phonograph pickups, etc. The frequency characteristic is flat within less than 1 db. from 25 to 10,000 cycles. A separate rectifier supplies bias voltage for the PP 2A3's, which deliver 15 watts output. A tone control is provided.

57 PTM 9018—NSA Speech Amplifier, table model in black wrinkle-finish steel cabinet, including tubes. Not Mailable. Shpg. wt., 50 lbs. Cash Price.....\$69.00

We can supply on special order relay rack models of the above at an additional cost of \$6.00 for black wrinkle finish or \$9.00 for black leather-like enamel or gray enamel finish. State choice. Allow 14 days for shipment.



**Genesee County
Radio Club, Inc.**



**Founded
1933**

**W8ACW
Flint, MI**



GCRC membership meetings are held the third Tuesday of each month at 6:30 PM (with the exception of July & December which are informal gatherings at local restaurants, the location is determined a few months in advance).
We meet in the EAA77 Building at Dalton Airport, 3400 Ann Drive, Flushing MI 48433

Please send all Membership applications and Dues to:

GCRC Membership c/o **R. A. Vasilow, 6186 Torrey Rd, Flint, MI 48507**

ALL CHECKS AND MONEY ORDERS shall be made payable to "Genesee County Radio Club, Inc."

--All GCRC Board meetings are open to the GCRC membership, held the 1st Tues each month at 6:30 pm

(Board Meeting Location: Tim Horton's 4025 E Court St, Burton, MI 48509-1715

GCRC Membership Application / Renewal

NAME: _____

CALL: _____ LICENSE CLASS:(circle) N T T+ G A E

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

E-MAIL: _____ BIRTHDATE: ____/____/____

HOME PHONE: (____) _____ WORK PHONE:(____) _____

I belong to (circle): ARRL RACES ARES MARS NTS Other clubs: _____

Bands used (circle):160m 75/80m 40m 30m 20m 17m 15m 10m 2m 70cm

Modes used (circle): SSB FM CW Packet RTTY SSTV ATV Amtor/Pactor

Mobile equipment: _____

Fixed station: _____

Check the appropriate category/categories: (Renewal Due By January 1st)

____ NEW MEMBER \$15 (prorated after March 1) *please attach license copy

____ REGULAR MEMBER \$15

____ STUDENT MEMBER \$7.50

____ LIFE MEMBER (no dues, but yearly application required)

____ ASSOCIATE MEMBER \$5.00 (unlicensed only)

____ FAMILY MEMBER \$3.00 (must be licensed and reside at same address)

____ Name, Call, License, etc.