

SARA NEWS

Schenectady Amateur Radio Association

P.O. Box 449
Schenectady, NY 12301-0449

A Message from the President:

As all of you know we are still dealing with COVID-19 and trying to get everyone vaccinated. This year the ARRL is allowing home stations to work each other for points for Field Day. In the SARA club we have a lot of older members. I think most of them would feel safer working from home. Please get your station in order to make lots of contacts.

Everyone can make contacts. A technician can use 10 Meters and up. Here is a list of some of the supplies that you might need in no particular order.

1. A computer near your radio. I recommend using the N3FJP logging software.
2. Water or your beverage of choice. Snacks are good too. Some folks use cough drops to keep your throat from drying out.
3. A good chair is a must. Depending how much time you operate you will want to be comfortable.

Most importantly DON'T BE AFRAID TO ASK FOR HELP. Many hams have done this with lots of success. You might find a ham that is willing to have you show up at their home and show you how to have fun with ham radio.

Hope to hear you on the bands.

73 DE N2PEQ



The May SARA General meeting will be held via Zoom

Topic: A Million Watts of RF!

Speaker: Lauren Libby, WØLD, President and CEO, Trans World Radio

Date: Monday, May 3, 2021

Time: 6:30—7:00 on air (147.06 Repeater)...Check-ins, announcements

7:00—8:30 PM (via Zoom).....Speaker Presentation

(Zoom link will be sent out separately prior to the meeting)

Abstract: What does a *million watt* transmitter look like? We'll get an inside look at one of the largest shortwave broadcasters in the world as Trans World Radio International President Lauren Libby WØLD takes us on a global tour of their transmitters and broadcast and media operation that speaks to 175 countries in 230 languages daily.

About our speaker: Lauren has been a licensed Radio Amateur since age 12. He has held the amateur call signs WNØLSH, WAØLSH, KXØO, V31JO, CO2/KXØO, PJ4V and WØLD. He has been to over 90 countries visiting many other international amateur radio operators.

Lauren has been an active VHF/UHF amateur since he has been licensed and holds WAS/WAC on 2 meters and WAS on 6 meters.. VUAC on 6 & 2 meters, 2.3 GHz and 3.4 GHz. He has served twice as president of the Central States VHF Society. He was awarded the Mel Wilson award for service to the VHF/UHF community. He was elected to membership in the Radio Club of America. Lauren chaired the VUAC committee of the ARRL in the 1990s and in the 2000s.



TWR Phased Array Antenna in Bonaire, Netherlands Antilles

- 2018 Upgrades: 440 kW Solid State Transmitter (800 kHz AM)
 - High-efficiency (92% overall) with modulation dependent carrier level control
 - 30 ton air conditioners to cool the transmitter and building
 - New feedlines
 - Tower modifications to handle higher power
- Ideal Location for a Ground Plane:
 - The radial system is less than 2 feet above the limestone layer, which is permeated with ocean water, and very close to the seashore and salt ponds. The ground conductivity in this layer is extremely good, further enhancing the antenna effectiveness and lowering the radiation pattern.
 - The downside is that the salt-laden trade winds cause a continual battle with corrosion. The towers must be scraped and cleaned every two years.

(Adapted from <http://www.twrbonaire.com/news/view/450/2019/01-02/twr-bonaire-radio-station-got-featured-in-world-radio-tv-handbook-2019>)

SARA Virtual Board Meeting April 14, 2021

Note: This meeting was held electronically due to concerns related to the corona virus pandemic.

Present:

JR Hotaling N2PEQ, President

Jim Silva KC2ZVK, Vice President

Jim Stewart K2PK, Secretary

Bob Saltzman WB2ARK, Board Member

Skip Evans W2YJL, Board Member

Terry Saunders N1KIN, Board Member

James MacMurray N2UZQ, Board Member

Meeting opened by President J. R. Hotaling at 7:15 PM.

Secretary's Report: The Board approved the minutes of the board meeting of March 10, 2021 as published in SARA News.

Treasurer's Report: Treasurer Tim Long submitted his report to board members by email. The board examined Tim's report in his absence. Tim transferred \$6,200 from the checking account to the Janney - K2AE account in accordance with previously approved board direction. This makes the checking account balance as of today \$3,165.25 and the Janney - K2AE account balance \$14,445.76. The president began a discussion about financial oversight. This discussion was held over until the Treasurer could be present and contribute. It was moved, seconded, and carried to accept the treasurer's report as given.

Field Day: Tim Long previously reported to the board by email that the Rexford Fire Department facility is not available for us to use this year. Tim needs to notify the Rexford Fire Department about the 2022 dates for Field Day so they can hold the dates for us. J.R. Hotaling, Tim Long, James MacMurray and Larry Zuravin (SMARA)

need to meet to talk about what they think would be best for the two clubs to do this year. The June SARA meeting needs to focus on making members aware of their recommendations for Field Day operations.

Meetings: Jim Silva reported that Lauren Libby WOLD from Trans World Radio is the planned May speaker.

Elections: The President appointed Skip Evans chairman of the nominating committee for SARA officers and board members for the 2021/2022 fiscal year and appointed Tim Long to work with him.

Web Site: Bob Saltzman reported that he has made a great deal of progress on the Web site. He has developed the environment to enable him to host a web site, and plans to develop a web site version for observation and testing by board members.

New Business: Jim Silva reported that there needs to be one more session to go through Rudy Dehn's things. An inventory will be developed followed by a "hamfest" to be held in Skip Evans' garage.

90th Anniversary: On hold until the situation regarding in-person meetings is clearer.

Standing Request for SARA News Editor: The board is still looking for a volunteer to take over this position.

Meeting Adjourned at 9:12 PM

Submitted by Jim Stewart K2PK, Secretary

ANNUAL ARMED FORCES DAY CROSSBAND TEST (07-08 May 2021)

After a hiatus of one year due to the COVID-19 pandemic the annual Armed Forces Day cross-band test is resumed for this year. The official notice is given below. This is an annual opportunity for radio amateurs to contact stations outside of the amateur service. Military stations transmit on military frequencies and amateur stations transmit on amateur frequencies. This requires careful split frequency operation so as not to stray from allowed amateur frequencies. QSL cards are frequently, but not always, sent by the military stations to confirm QSO's. In addition to being an operating challenge, this annual event is a lot of fun. Frequencies and times for the different military stations are at dodmars.org. Or you can email me k2pk@arrl.net and I will send the information to you.

Jim K2PK

"The Department of Defense will host this year's Armed Forces Day (AFD) Cross-Band Test, scheduled for May 7-8, 2021. This annual event is open to all licensed amateur radio operators, and will not impact any public or private communications. For more than 50 years, military and amateur stations have taken part in this event, which is only an exercise scenario, designed to include hobbyist and government radio operators alike. The AFD Cross-Band Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in 47 CFR 97.111. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly-controlled exercise scenario that does not impact any public or private communications. Military stations will transmit on selected military frequencies and will announce the specific ARS frequencies monitored. All times are ZULU (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not impact any public or private communications, and will not stray outside the confines of the exercise."

The following 5 pages show QSL cards that Jim K2PK has received from Armed Forces Day Crossband Test contacts.

**SIXTY-NINTH
ARMED FORCES DAY
12 MAY 2018**

100th ANNIVERSARY



U. S. NAVAL RADIO STATION

NSS



1994 antenna farm



100th Anniversary Operations Site
U.S. Naval Academy, Annapolis, MD

1918 towers



NSS began operations in 1918 using a pair of Federal Telegraph 500 kilowatt Poulson Arc transmitters and four 600 foot towers operating in the VLF band.

HF operations began about ten years later and continued until 1976 when the NSS HF mission was transferred to NAM in Norfolk, Virginia. The central 1200 foot tower and dozens of others were demolished in 1999, except for three iconic 600 foot Eiffel towers that remain on the southern tip of Greenbury Point.

To Radio **K2PK**

Confirming Mode: 2-way SWL Report
 SSB CW

Date: 12 May 2018 NSS Tx Freq (kHz)


4,038.5 5,330.5 7,533.5
 9,447 14,487 17,545

Thanks and 73 from the NSS team

See www.navy-radio.com/commsta/anna.htm

40 Meters CW:

ANNUAL ARMED FORCES DAY




AAR

AAR4USC
UNITED STATES ARMY MARS
 HOME OF THE 82ND AIRBORNE, FT. BRAGG, NORTH CAROLINA


CONFIRMING QSO WITH		DAY	MONTH	YEAR
K2PK		15	5	93
UTC	MHz	RST	2-WAY	QSL
1758	7	599	CW	TNX

A WX9X QSL

40 Meters SSB:




ANNUAL ARMED FORCES DAY



WAR

United States Army Mars
Ft. Detrick-AAA3USA

CONFIRMING QSO WITH: K2PK
 ON: 20 MAY 1995 MODE: LSB RST: 5&9
 MHZ: 07361.5
 Tnx for the QSO
 We hope to QSO with you next year.



A WX9X QSL


40 Meters CW:



DEPARTMENT OF DEFENSE
WASHINGTON, D. C. 20350

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF DEFENSE
DoD-316



This commemorative QSL card confirms your radio contact with the military station indicated on the reverse side hereof during the military to amateur cross band communication tests conducted upon the occasion of the Twenty Sixth Annual Armed Forces Day, 17 May 1975.

To Radio _____

MODE _____

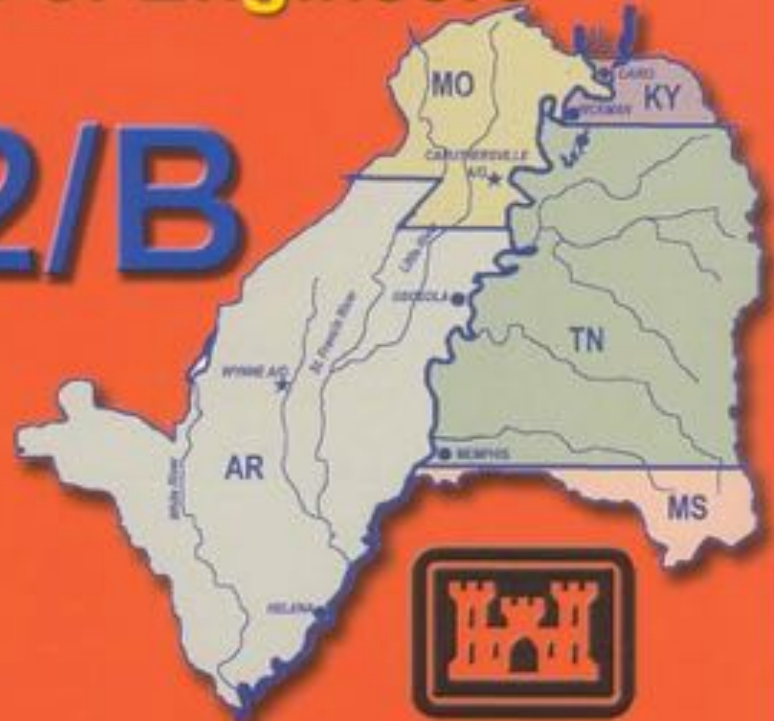
QSL K2PKK 40 METERS C/W QSO

J R STEWART

U.S. Army Corps of Engineers Memphis District

WUG-2/B

Armed Forces Day



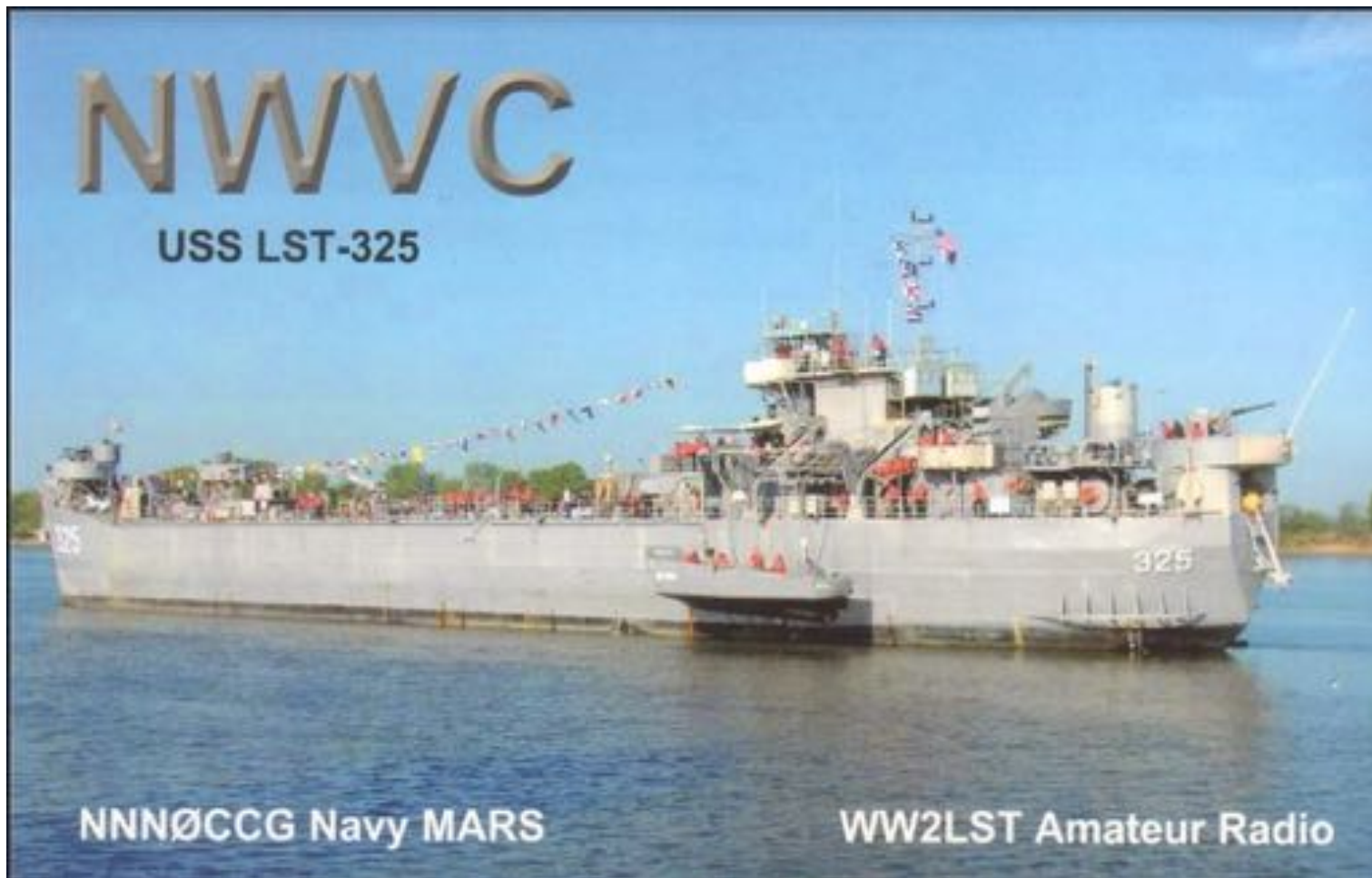
Communication Test QSL

Memphis District U.S. Army Corps of Engineers

Established on Aug. 30, 1882 as the Second Mississippi River Commission District, today's Memphis District includes 25,000 square miles of the Lower Mississippi Valley and encompasses parts of Mississippi, Tennessee, Arkansas, Missouri, Illinois and Kentucky. One of our primary missions is flood risk management throughout the region. Efforts in this area have resulted in more than \$60 billion in flood damage prevented in 2011 alone. Another of our primary missions is maintaining and improving navigation on 355 miles of the Mississippi River from Cairo, Illinois to the mouth of the White River in Arkansas. The 500 men and women of the Memphis District remain committed to the Corps' motto: Essayons! Let us try!

**Thanks for the contact. Hope to
work you again next year.
Thanks 73.**

2011 20m



NWVVC

USS LST-325

NNNØCCG Navy MARS

WW2LST Amateur Radio

Radio K2PK Tnx QSO of 5-12-2012
 at _____ UTC on 20m kHz Your 5 9 Signal 5 9
 here in _____
 Xmtr _____ Rcvr _____ Ant _____

Comments _____
 PSE QSL TNX Vy 73, ART, Rick, Steve Opr

*USS LST-325 Ship Memorial, Inc.
 840 LST Drive,
 Evansville, IN 47713*

LSTs, or Landing Ship (Tanks) originally had no names, just numbers. They were strategically pivotal in many WW2 Atlantic and Pacific invasions. LST325, built in Philadelphia (1942) made landings in Sicily and Salerno, and Normandy where she was part of the D-Day landing force. Following WW2 and Arctic service during early 1950s she was refurbished in 1964 and given to the Greek Navy who used it until 1999. In 2001, after being handed over to USS LST Ship Memorial, Inc, volunteers composed of Navy veterans, including Coast Guard and Marines, average age 72, repaired the ship and sailed it from Greece to Mobile, AL, arriving January 10, 2001. Since then, volunteer crew have maintained her and sailed the ship on the Atlantic in 2005, plus major river cruises since 2003, continuing annual sailing, taking this decorated WW2 "veteran" to the public, visiting inland cities from it's current homeport of Evansville, IN, where 167 LSTs were built during WW2. Visit www.lstmemorial.org for more details.

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Thanks to the generosity of Millie Gittinger (KB2SWR), SARA has the following items available for sale (from the collection of Clark Gittinger KG2AO, SK). All proceeds will go to SARA.

Johnson Viking II Transmitter with VFO	\$100
ICOM IC-R70 Receiver	\$40
Heathkit 100 kHz crystal calibrator, HD-20	\$5

For information on any of these items, please email Jim Silva KC2ZVK (JSilva.NY@gmail.com)



Thanks to the generosity of the estate of Paul Jezierski (AB2FZ, SK), SARA has the following items available for sale. All proceeds will go to SARA.

GE 12V, 1.5A Power Supply	\$15
ICOM IC-V86 H/T	\$30
Kenwood TH-K20 + charging base	\$55
Kenwood TM-281A transceiver (NIB)	\$100
ICOM HF/VHF IC-706 MKII (not MkIIIG)	\$400
Radio Shack TRC460 40 CH CB/Weather	\$5

Items from the Jezierski Estate (continued)

Stardust M-400 CB Antenna (NIB)	\$20
Trap Dipole with Hi-Q 1:1 Balun	\$20
SG-230 Smartuner	\$275
LDG RT-100 Tuner & RC-100 Control (NIB)	\$150
MFJ-495 Memory Keyer (2 each)	\$80/each
Logikey K-3 keyer	\$40
Vectronics Keyer CK200	\$40
Vibroplex Presentation Bug	\$142
Vibroplex Chrome Deluxe Iambic Paddles	\$85
Vibroplex Chrome Deluxe Single Lever Paddles	\$85/ea
Bencher Chrome Iambic Paddle PY-2	\$80

ARRL Repeater Directory 2018	\$5
ARRL Handbook 2016 (hardcover)	\$20
ARRL Handbook 2011 (hardcover)	\$20
ARRL Extra Class License Manual 11th Ed	\$10
ARRL Wall Map (2)	\$10/each

For information on any of these items, please email Tim Long W2UI (tlong1@earthlink.net)

For Sale: Kenwood TS-520SE asking \$250. From the estate of W2BLW. Contact Bob, W2XM, at 518 459 8435 or at w2xm@arri.net



Free! Last Call! Issues of QST and CQ Magazine
(from W2UC Amateur Radio Club, Union College)

QST Magazine

Year(s)	Status (Complete or issues that are <u>missing</u>)
1968	January
1972-1980	Complete
1981	May
1982	November
1983	Complete
1984	Full year missing
1985-2000	Complete

CQ Magazine

Year(s)	Status: Complete or issues that are <u>missing</u>)
1972-1974	Complete
1975	Full year missing
1976-1979	Complete
1981	May
1982	November
1983-1988	Complete
1989	Full year missing
1990	July, October-December
1991	April, September
1992	October
1993	January-April

Please send an email to KC2ZVK (jsilva.ny@gmail.com) to arrange for pickup. Issues are in good condition and are bundled by year. First come, first served!!

K2AE Repeater Guidelines:

K2AE Repeaters are open and visitor friendly.

1. There will be a control operator monitoring at all times. If there is no control operator, the repeater will be unavailable. (97.103 and 97.105)
2. Control operators will not discourage anyone from using the repeater.
3. Conduct on the repeaters should be governed by common sense and courtesy. Conversations should be in plain language and suitable for all listeners. (97.112 and 97.113)
4. Commercial or business use is not allowed.
5. Pause a few seconds between transmissions. The repeater will recycle. This gives a chance for other users or emergency traffic to call in. (Give even a longer pause in the wintertime.)
6. If someone calls "break", operators should yield the frequency for emergency traffic. Yielding to a "breaking" or new station is common courtesy. New York State and Federal law prohibit interference with emergency traffic.
7. Operators are encouraged to use simplex whenever possible, and to use the minimum power necessary to maintain clear contact, i.e. 50 watts or more is not appropriate in close proximity to the repeater when 1 or 5 watts achieve full quieting. (97.313)
8. Use of the repeater for non-SARA public service events is prohibited unless permission from the Trustee is obtained. Please forward requests to: w2sfd@arrl.net.
9. In the event of an emergency (SKYWARN, flooding, extreme weather conditions, or other emergencies) control operators will turn the repeater on if it is down.

Schenectady County Emergency Net

Schenectady County ARES members act as Net Control Stations for the Schenectady County Emergency Net (SCEN) on Sunday afternoons. Emergency Coordinator: James MacMurray - N2UZQ
The nets are open to all amateurs. ARES or RACES membership is not required to participate. The purpose of the nets is for training, passing any traffic that you might have, and any announcements of general interest.

Day of week	TIME	FREQUENCY	MODE
Every Sunday	1:00 PM	444.200	K2AE Repeater
Every Sunday	1:30 PM	147.060	K2AE Repeater
1st Sunday	2:00 PM	3.953	LSB
2nd Sunday	2:00 PM	52.525	FM Simplex
3rd Sunday	2:00 PM	146.435	FM Simplex
4th Sunday	2:00 PM	28.350	USB
5th Sunday	2:00 PM	TBA	TBA

SARA Board of Directors/Officers

President

J.R. Hotaling - N2PEQ

Email: n2peq2002@gmail.com

Phone: (518) 526-5131

Vice President

Jim Silva - KC2ZVK

Email: jsilva.NY@gmail.com

Phone: (518) 877-8032

Secretary

James Stewart - K2PK

Email: k2pk@arrl.net

Phone: (518) 399-1867

Treasurer

Tim Long - W2UI

Email: tlong1@earthlink.net

Phone: (518) 399-7454

Director

Bob Saltzman - WB2ARK

Email: saltzman@nycap.rr.com

Phone: (518) 370-2222

Director

James MacMurray - N2UZQ

Email: n2uzq@arrl.net

Phone: (518) 369-2298

Director

Skip Evans - W2YJL

Email: ShortSkip86@gmail.com

Phone: (518) 399-5538

Director

Terry Saunders - N1KIN

Email: terry.saunders@twc.com

Phone: (207)-432-2509

SARA Standing Committees

SARA Newsletter

Jim Silva - KC2ZVK

Email: JSilva.NY@gmail.com

Phone: (518) 877-8032

Elmer and Antenna Party

Tim Long - W2UI

Email: tlong1@earthlink.net

Phone: (518) 399-7454

K2AE Repeater Trustee

George Burns - W2SFD

Email: w2sfd@arrl.net

Repeater

Scott Krone - N2YCA

Email: n2yca@nycap.rr.com

Phone: (518) 273-1610

RFI/TVI

Open

Public Service Events

Schenectady County ARES

James MacMurray - N2UZQ

Email: n2uzq@arrl.net

Phone: (518) 369-2298

Volunteer Examiner Team

Vacant - please consider volunteering for this position

FCC Exam Registration

Phone: (518) 604-4128



Schenectady Amateur Radio Association Membership Application

(Please print legibly)

- New member (some eligibility requirements apply)
- Renewing member
- Donation to the Repeater Fund. Amount: \$ _____

Membership Class:

- Full: \$20.00 per year dues
- New member initiation: \$5.00 one-time fee in addition to full dues
(The initiation fee is applied to the Henry Primm Broughton Memorial Fund)
- Spousal: \$5.00 per year dues. Name or call sign of full member: _____
- Student (K-12 and full-time undergraduate college): \$5.00 per year dues

Call Sign (if licensed): _____ License Class: _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Cell phone: _____

Email Address: _____

(The *SARA Newsletter* will be distributed via email, unless otherwise specifically requested.)

Member of: ARRL ARES RACES NTS _____ another club (specify)

Please use a separate form for each SARA membership application at your address.

Make checks payable to: **Schenectady Amateur Radio Association**

Mail this completed form and your check to:

Schenectady Amateur Radio Association

PO Box 449

Schenectady, NY 12301-0449

You may also submit this form and your membership dues to the treasurer at any in-person SARA meeting.