

# SARA NEWS

## Schenectady Amateur Radio Association

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

### Message from the President:

The recent mild spring weather, and the fact that the trees will leaf out any minute, inspired me to get outdoors and refresh the pulley system for my endfed half-wave antenna (LNR Precision: <http://www.parelectronics.com/end-fedz.php>). If you are interested in hanging a wire antenna from a tree, here is a useful website for the basics: <http://ve3sqb.com/hamaerials/radioworks/ninstallant.html>. It includes a very useful sketch of the overall pulley system (as well as a sketch of the basic bowline knot).

I am very pleased with the stainless steel pulley that I purchased; it has been in service for about 10 years and is as good as new. If you are planning to put up a pulley system, Quicksilver Radio has a good selection of stainless steel pulleys and rope: <https://www.qsradio.com/shop-now.html?#!/Antenna-Rope-&-Hardware/c/8424495>.

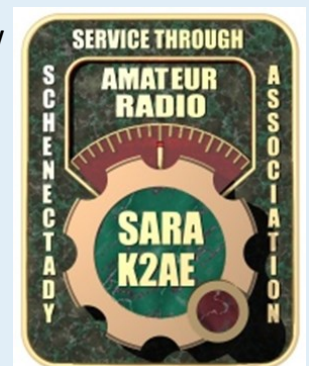
During April, the SARA program committee will be putting together plans for 2023-2024. If you have a topic that you wish to be covered, or if you would like to give a presentation, please contact one of the committee members (Skip W2YJL, Bob WB2ARK, or myself WA2JMS).

The nominating committee is finalizing the slate of candidates for 2023-2024. We will publish the slate in the May SARA News, and the club will vote on the slate at the June meeting.

I hope to see you at the next SARA meeting. I'm sure you will find Jim Murphy's talk both inspiring and relevant as he explains how our health and circadian rhythm are affected by light.

Finally, if you have a part or a piece of gear that you would like to show off to the group (or learn what it is used for), feel free to bring it to the meeting.

73, Jim WA2JMS



# The April SARA meeting will be held at the **Alplaus Fire Station**

and will also be available via Webex.

**Speaker:** James Murphy

**Topic:** Light Interaction and Human Health/Circadian Rhythm

**Date:** Monday, April 17

**Time:** 7:00—8:30 PM (in person and via Webex)

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

**Abstract:** Artificial lighting was one of the foundational businesses that started GE, and the evolution from incandescent to fluorescent to LED-based lighting has improved the energy efficiency of lighting products dramatically. Additionally, new LED-based lighting applications such as the back-light for displays (smart phones, monitors, laptops, tablets, TVs) are becoming more ubiquitous every year. This talk moves beyond energy efficiency of artificial lighting/displays to discuss how human health and circadian rhythm may be influenced by light.

**About Our Speaker:** Jim Murphy received his Ph.D. in Physical Chemistry from the University of Colorado at Boulder under the supervision of Professor Arthur Nozik conducting research on the synthesis and characterization of semiconductor nanocrystals for solar cell applications. He spent 2006 as a postdoctoral researcher at the National Renewable Energy Laboratory conducting femtosecond, time-resolved spectroscopy studies on nanocrystalline films. He was then hired as a Research Scientist by OSRAM Sylvania Inc., where he spent the next 3 years working on phosphor development and at the Towanda, PA facility as it transitioned to become Global Tungsten and Powders Corp. For the past thirteen years he has worked at GE Global Research Center on various programs, mostly relating to energy efficient LED lighting and display applications as well as scintillator development/medical imaging. He has over 80 patent applications and publications in the field of inorganic luminescent materials. Jim graduated in 1996 with a B.A. in Chemistry from Franklin and Marshall College and spent a few years teaching high school chemistry and serving as a wrestling coach before attending graduate school .

Note: The meeting location is 309 Alplaus Ave, Alplaus, NY, and the building is at the corner of Alplaus Avenue and Bruce Drive. Please park in the paved lot adjacent to this building. Do not park in the restricted area in front of the building that houses the fire trucks. We will meet in the Multipurpose Room (entrance is on the North side of this building).

The April SARA board meeting has been postponed until April 19; the minutes of this meeting will be published in the May, 2023 SARA News.

## 2022-2023 Program Schedule

Date	Speaker	Call Sign	Topic
September 19, 2022	Tom Perera	W1TP	The History of Telegraph Keys
October 17, 2022	John Miller	K6MM	Dxpedition to Baker Island (2018)
November 21, 2022	Skip Evans	W2YJL	Digital Mobile Radio (DMR)
November 29, 2022 6:00 PM	Holiday Dinner		Dinner at the United Buffet Restaurant
January 16, 2023	Barry Feierman	K3EUI	Modulation: Sound Card Digital Modes on HF SSB
February 20, 2023	Michael Walker	VA3MW	Software Defined Radio
March 20, 2023	Bob Olsen	WA7WWP	RF Safety
April 17, 2023	Jim Murphy	-	Displays: light interaction and human health/circadian rhythm
May 15, 2023	Dean Poeth II	K8TM	Surface Mount Technology
June 19, 2023	Tim Long & James MacMurray	W2UI, N2UZQ	SARA Elections, Field Day Planning, and Broughton Award Presentation

## SARA Trading Post



For Sale: ICOM SM-2 Desk Microphone .  
Best offer. Contact W2UI



Vintage CRTs for sale: 3FP7 \$25 each (2 available)

Contact WA2JMS

All proceeds go to SARA

SARA Members—Have an item to sell?

Have a need for a piece of gear?

Contact Jim WA2JMS with a description, asking price, and contact information, and we'll publish it in SARA News. Photos are also welcome.

## 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 an even 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 prohibits 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 achieves 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](mailto: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

Jim Silva, WA2JMS

Email: [jsilva.NY@gmail.com](mailto:jsilva.NY@gmail.com)

Phone: (518) 877-8032

### Vice President

Skip Evans, W2YJL

Email: [ShortSkip86@gmail.com](mailto:ShortSkip86@gmail.com)

Phone: (518) 399-5538

### Secretary

James Stewart, K2PK

Email: [k2pk@arrl.net](mailto:k2pk@arrl.net)

Phone: (518) 399-1867

### Treasurer

Tim Long, W2UI

Email: [tlong1@earthlink.net](mailto:tlong1@earthlink.net)

Phone: (518) 399-7454

### Directors

Dean Poeth II, K8TM

Email: [K8TM@arrl.net](mailto:K8TM@arrl.net)

Phone: 518-377-4041

Paul Siemers, WY2F

Email: [psiemer2@nycap.rr.com](mailto:psiemer2@nycap.rr.com)

Phone: (518) 371-0215

Bob Saltzman, WB2ARK

Email: [saltzman@nycap.rr.com](mailto:saltzman@nycap.rr.com)

Phone: 518-370-2222

John Clement, NM2R

Email: [jtcsrvbi@gmail.com](mailto:jtcsrvbi@gmail.com)

Phone: 518-522-4829.

## SARA Standing Committees

### SARA Newsletter

Jim Silva - WA2JMS

Email: [JSilva.NY@gmail.com](mailto:JSilva.NY@gmail.com)

Phone: (518) 877-8032

### Elmer and Antenna Party

Tim Long - W2UI

Email: [tlong1@earthlink.net](mailto:tlong1@earthlink.net)

Phone: (518) 399-7454

### K2AE Repeater Trustee

George Burns - W2SFD

Email: [w2sfd@arrl.net](mailto:w2sfd@arrl.net)

### Repeater

Scott Krone - N2YCA

Email: [n2yca@nycap.rr.com](mailto:n2yca@nycap.rr.com)

Phone: (518) 273-1610

### RFI/TVI

Vacant—please consider volunteering for this position

### Public Service Events

Schenectady County ARES

James MacMurray - N2UZQ

Email: [n2uzq@arrl.net](mailto: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.