



ANTIQUE WIRELESS MUSEUM

"MUSEUM SPARKS"

A QUARTERLY MEMBERS' NEWSLETTER OF THE ANTIQUE WIRELESS MUSEUM

JULY 2021 VOLUME 5 NO. 2

"**MUSEUM SPARKS**" is a quarterly newsletter for the Friends of the Antique Wireless Museum and AWA Technology Explorers. Our welcome to our new members! We are very pleased to have you join AWA. Thanks for your support of the AWA Museum. Each quarter, "**MUSEUM SPARKS**" will provide general information, latest news, new exhibits and happenings at the Museum. "**MUSEUM SPARKS**" will be posted on the AWA web site at www.antiquewireless.org for convenient referral.

Hi Everyone,

WE ARE RESUMING REGULAR MUSEUM HOURS – JULY 10th

We have missed you at the Museum. Regular hours are Tuesdays 10 am to 3 pm and Saturdays 1 pm to 5 pm with the last tour starting at 4 pm. PLEASE COME VISIT US! We miss you.

WHAT IS NEW AT THE MUSEUM?:

MUSEUM EXHIBITS:

There are several new exhibits added, or in progress, in the Museum. In 1961, Radio Corporation of America received an Emmy for their development of the image orthicon tube used in television. Felicia and Jim Kreuzer purchased that RCA Emmy and have graciously loaned it to AWA for an exhibit. It is your chance to see a real Emmy and an image orthicon tube up close.

Ralph Williams was a collector and leading authority on antique radios; having written and published numerous articles, a book, and Volume 12 of the *AWA Review*. Ralph and his wife Elinor were longtime AWA members and frequent attendees of the annual AWA Conferences. His collection of Atwater Kent radios and other items was considered world class. When Ralph passed away, Elinor continued to curate their Voice of The Twenties Museum in their home in Orient, NY.

Upon Elinor's passing, the family has generously donated major pieces of their collection to AWA for an exhibit in honor of Ralph and Elinor. That unique exhibit is under development in the Museum. AWA is very proud to be recipient of this outstanding display.

In February, long time and beloved Director of AWA, Thomas Peterson Jr passed away. In his honor, his family has donated many artifacts and books from his collection. An exhibit in his honor is under development in the Museum.

MUSEUM HAM SHACK ADDITION:

One of the items on the drawing board is an addition to the eastside of the Museum building to house a working amateur radio station or as amateur radio operators or “hams” call it, a ham shack. To date, we have received over 250 donations to the Ham Shack Development Fund totaling \$159,566 toward our goal of \$165,000 (97% of goal). We are so very close to our goal!

Now is the perfect time for us all to make the ham shack a reality. Join me in making a 2021 donation.

Please send your donation or your 2021 pledge to AWA, Attn: Robert Hobday, PO Box 421, Bloomfield, NY 14469 or you may make a donation online at <https://www.antiquewireless.org/homepage/donate-on-line/>. Thanks.

ANNUAL AWA CONFERENCE:

The dates for the in-person 2021 AWA Annual Conference are scheduled for Tuesday October 5 through Saturday October 9 at the RIT Inn and Conference Center in Rochester, NY. Please mark those dates in your calendar. The Conference planning has already begun by Joe Fell, Conference Chairman, and his team.

AWA MONTHLY MEETINGS ON ZOOM:

NEW!!! AWA will present monthly Zoom meetings/presentations on the third Wednesday of the month at 8 pm Eastern time on a wide variety of topics. The one hour meetings will be open to all and are FREE! The first Zoom meeting will be Wednesday, August 18, beginning at 8 pm EDT with a presentation “The History of Single Sideband” by Edward Gable K2MP, AWA Curator Emeritus. Details will be made available on the AWA Website.

EDUCATIONAL CLASSES:

LEARN IT, BUILD IT, FIX IT CLASSES:

The Learn It, Build It, Fix it Class (“LIBIFI”) is a multiple series of classes for adults on various electronic subjects. These class are be taught by Dave Minchella, KE2GE, a local expert in electronic design and repair.

The LIBIFI series Basic Radio Repair 101 concluded in June with a full class in attendance.



The next series of LIBIFI classes “Build a Tube Guitar Amplifier” will begin July 31st. The class size is limited, so register early.

LEARN IT, BUILD IT, FIX IT CLASSES

LEARN HOW A TUBE GUITAR AMP WORKS

BUILD A TUBE GUITAR AMP KIT

FIX YOUR AMP – LEARN TO TEST

7/31/21 – 8/21/21– FUNDAMENTALS



- Safety
- Introduction: sound & waveforms
- Audio amplification & music
- Basic electricity & electronics
- Passive & active circuit elements
- Active circuit elements: the vacuum tube
- Vacuum tubes in guitar amplifiers; class of operation
- Test & measurement equipment
- How to solder & soldering equipment
- Basic construction tools and techniques

8/21/2021 – 9/4/21 – BEGIN TO BUILD YOUR AMPLIFIER KIT

- Soldering review
- In-class building of your kit with help & guidance
- Final testing

Cost: The cost for the six classes is \$180 and includes a one year, on-line membership in AWA; plus the student must purchase and have available the tube guitar amplifier kit of their choice by 8/21/21, supply soldering equipment and tools. Sessions will be held on Saturdays 9 am to 1pm at the Antique Wireless Museum, 6925 Route 5, [Bloomfield, NY](http://www.antiquewireless.org).

For more information and registration form, visit:

<https://antiquewireless.org/homepage/learn-build-fix-classes/>

Send questions to EducationCoordinator@AntiqueWireless.org



Registration Form for Learn It, Build It, Fix It At the AWA Museum

Please Print or Type

Date: _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: () _____ Email: _____

Tube guitar amplifier kit purchased: _____

The classes will be held on Saturdays July 31, August 7, 14, 21, 28 and September 4, 2021 from 9 am to 1 pm at the Antique Wireless Museum, 6925 Route 5, Bloomfield, NY. The cost for the six classes is \$180 payable in advance. Registration includes a one-year, on-line membership in AWA (a \$20 value). Payments are non-refundable. Masks will be required.

The registrant is also required to obtain a tube guitar amplifier kit of their choice and in hand before August 21st (be aware of potentially long lead times). Suggested kits include:

MODkitsdiy.com
Mojotone.com
Reverb.com
Stewmac.com

TedWeber.com
Triodestore.com
Tubedepot.com

Registration is limited to the first 8 registrants. To reserve a spot, please make payment and mail registration form to arrive no later than July 15, 2021 to:

Robert Hobday
780 Cheese Factory Rd
Honeoye Falls, NY 14472

Payment can be made by Paypal (preferred) to WM3D@arrl.net. This Paypal address belongs to AWA and its Treasurer, Mr. Stan Avery. 6925 Rt 5/20 in Bloomfield. Checks are also accepted, payable to ANTIQUE WIRELESS ASSOCIATION.

Please email Bob with any questions:
EducationCoordinator@AntiqueWireless.org

RADIO FAB LAB CLASSES:

Due to the restrictions on schools caused by COVID-19, students have had to make many adjustments in their studies and schedules. This has been a very difficult time for students. As a result, Museum has decided to postpone the 2021 Radio Fab Lab classes until this fall.

AWA ON EBAY:

With the constant generous influx of donations of equipment to the Museum, there are sometimes duplicates to what we have or surplus to what we have or need. These gifted items are not part of the Museum's permanent collection. As deemed duplicates or surplus, AWA lists these items on eBay to relieve storage requirements and to make them available to members and collectors who can use them. These items are listed on eBay at https://www.ebay.com/usr/awa_surplus_sales.

LET'S GROW AWA MEMBERSHIPS:

Let's Grow AWA Together! And, Have Some Fun!

If You Believe in AWA... Accept the Challenge!

The challenge is to help introduce 200 new members to AWA.

- 🎁 Thoughtful gift for a friend, that's heard about AWA from you.
- 🎁 Encouraging gift for your friend to share the fun, fellowship and learning offered by AWA.
- 🎁 A fun gift to spark their interest in communication history.
- 🎁 A meaningful gift for a young person to spark their interest in electronics and technology.

If you believe in AWA.....Give a gift...or two...or more! As a current AWA member, you may purchase as many gift memberships as you like. Gift recipients must not have held AWA membership during the past three years. Gift rates are good for their first year of membership only. Offer expires December 31, 2021.

You may choose from two different types of gifts, both good for the new member's first year of membership (you may order as many of each type as you would like):

- 🎁 \$30 – new member receives four quarterly AWA Journals and one annual AWA Review mailed to their home
- 🎁 \$20 – new member has read only, on-line access to the four quarterly AWA Journals and annual AWA Review

Please enter my order for _____ gifts at \$30 each and for _____ gifts at \$20 each. My check or payment information for a total of \$_____ is enclosed

To order: You may order online at <https://antiquewireless.org/homepage/gift-memberships/> or you can email this form when complete to Dean@AntiqueWireless.org. AWA accepts PayPal at

WM3D@ARRL.net. For mail-in orders, please complete this form, enclose your check or credit card information and send to: AWA Gift Memberships, PO Box 421, Bloomfield, New York 14469.

Be sure to include your name and address. AWA will send a gift card, welcoming letter and new member information to each gift recipient. Questions? Email Dean@AntiqueWireless.org

YOUR Name: _____

YOUR Address: _____

YOUR Phone Number: _____

YOUR Email: _____

Payment by:

_____ PayPal to WM3D@ARRL.net

_____ Check enclosed payable to Antique Wireless Association

_____ Credit Card Number: _____

Expiration Date: _____ Security Code: _____

Signature: _____

RECIPIENTS Name: _____

RECIPIENTS Address: _____

RECIPIENTS Phone Number (if known): _____

RECIPIENTS Email Address (if known): _____

Type of Gift Membership: \$30 _____ or \$20 _____ to be applied to a one-year membership for this recipient.

Please list additional recipient's gifts on a separate sheet. THANK YOU!

AWA PROJECT PRINTED CIRCUIT BOARDS AVAILABLE:

AWA Museum Technical Staff ("AKA The Skunk Works") has produced some very high quality Printed Circuit Boards ("PCBs") and the bare PCBs are for sale. These are bare PCBs only and no other components are included. They come with a suggested parts list to allow you to complete the project.

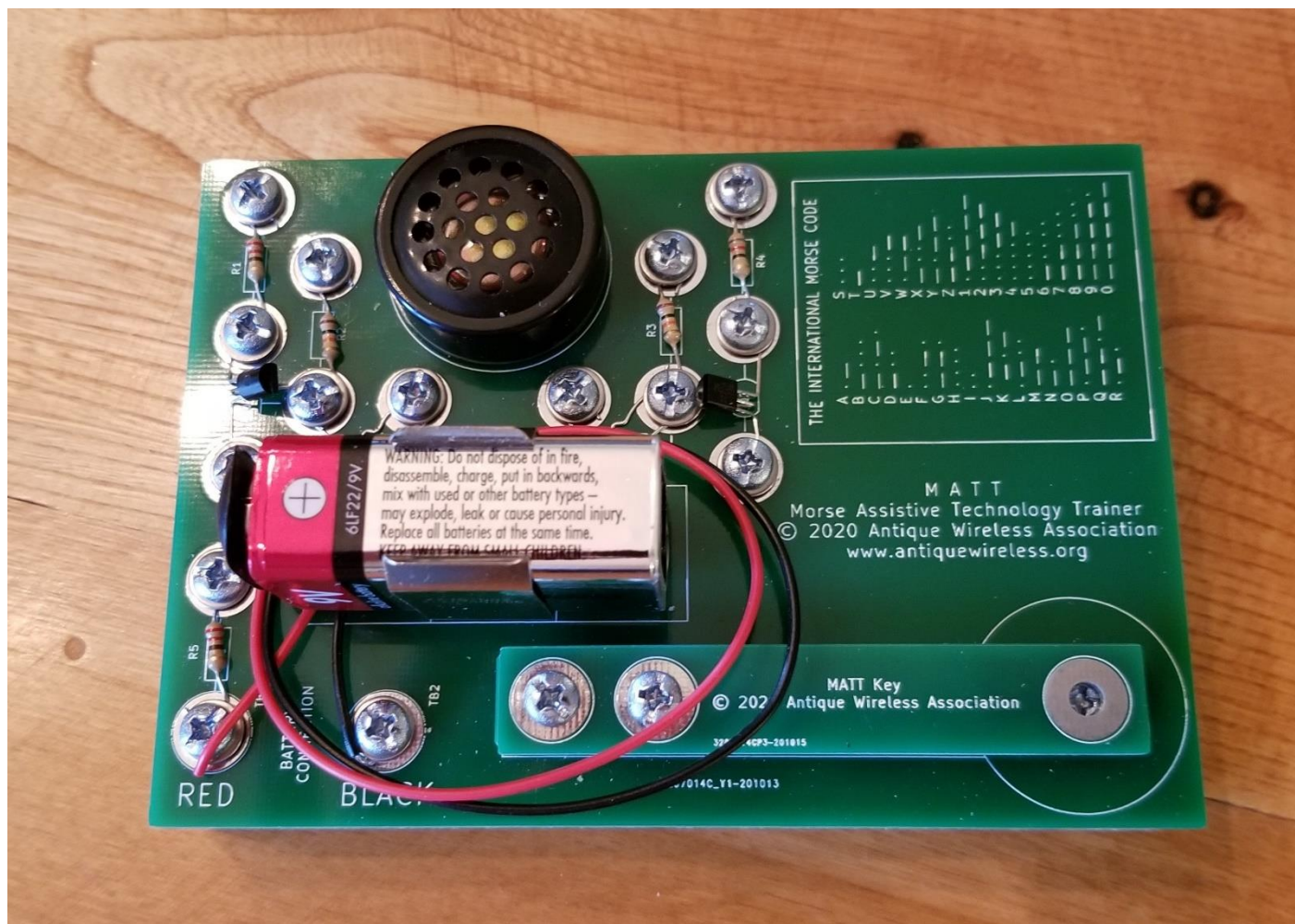
These PCB's are now available at <https://www.antiquewireless.org/homepage/purchase-pcb-items/>:

- PCB 1: Regulated Variable Power Supply High Voltage @ \$16.50 postpaid US
- PCB 2: AM Broadcast Transmitter @ \$20 postpaid US
- PCB 3: "Signal Sniffer", AF & RF Signal Tracer @ \$16 postpaid US
- PCB 4: Capacitor DC Leakage Tester @ \$25 postpaid US

- PCB 5: Universal Battery Eliminator (to provide power to operate battery set radios) @ \$38 postpaid US
- PCB 6: The “AM Slider” is a low cost, synthesized signal source designed specifically for AWA’s Low Power AM Transmitter @ \$18 postpaid US

In addition to the six PCBs available, AWA also offers a Morse Adaptive Technology Trainer or “MATT” which is a complete kit to build a code practice oscillator to learn and practice Morse Code. This kid-friendly kit can be completed without soldering (a 9 volt battery is not included). Kids love it! It would make a great gift for a youngster 8 to 14. It is available for \$16 postpaid US at

<https://www.antiquewireless.org/homepage/purchase-kit-items/>



THE ANTIQUE WIRELESS ASSOCIATION MEMBER'S FORUM:

This member’s forum is open to AWA members only. Members may apply to join the group by emailing Mark Erdle at Mark@AntiqueWireless.org. You can also register on line at <https://groups.io/g/Wireless-History>.

AWA WEB SITE and SOCIAL MEDIA:

For ongoing contact information, membership applications, news, announcements, program schedules, AWA history, and lots of useful links to other radio sites, please visit

Web Site: www.antiquewireless.org

AWA Facebook page at www.facebook.com/antiquewirelessmuseum

AWA Staff is working to enlarge our reach on social media thanks to efforts of Mark Erdle and Criss Onan.

AWA Twitter handle is @antiquewireless

AWA Instagram name is @antiquewirelessmuseum

VOLUNTEER OPPORTUNITIES AT AWA:

Did you know that the AWA and AWA Museum are operated by a 100% volunteer staff? We are always looking for volunteers at AWA and especially historians to conduct Museum tours. You do not need to be an engineer or a historian. We will train you and what a great way to learn all about the history of 200 years of communications technology. In addition, the Museum Staff works at the Museum on Tuesdays doing a wide variety of work. If you would like to come out and volunteer at AWA, we can always use your help.

Specifically, we looking for a volunteer to do grant writing. If you have experience in grant writing and would like to help AWA, please call me. My cell phone number is 585-314-7310 or call the Museum at 585-257-5119 and leave a voice mail message. Volunteering at AWA is fun and very rewarding.

Keep safe my friends.

Bob Hobday

President

585-314-7310

President@AntiqueWireless.org