



Capers

March- 2019



The Monthly Newsletter of The Candlewood Amateur Radio Association
P.O. Box 741 – Hawleyville, CT 06440-0741
Visit us on the Web at <http://www.CaraRadioClub.org>

Next CARA Meeting:
Friday, March 8 - Stony Hill Fire Station, Rte. 6. Bethel, CT



Doors open at 7:30 for socializing and conversation. Meeting begins at 8:00 p.m.

Agenda:

- *Pledge of Allegiance*
- *Reading of Minutes from last meeting – N1GSA*
- *Treasurer's report – WX1T*
- *Repeater Committee Report – WZ1R*
- *Old Business*
- *CARA Go-Kit Project update – W1QH*
- *ARRL June Field Day Preparations*
- *Proposed 2019 Events Calendar*
- *New Business*
- *Presentation via Skype: WRTC 2018 by Tim Duffy - K3LR*
- *Adjourn*

President's Message - de AB1WV



Hello all,

I received a special gift from my Dad - N0KYB, this month. About a week and a half ago, a large box from HRO arrived at my QTH. Since then, I've been working through the learning curve of my new IC-7300. I have been getting QSO's with CW, SSB, RTTY and FT-8. The digital setup was very easy, since all you need is a USB cable; the sound card is in the radio. I'm having great fun.

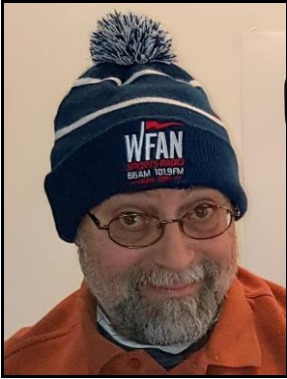
This month we have a special treat. Tim Duffy- K3LR, of DX Engineering, will be presenting on the 2018 WRTC via Skype. It promises to be a very informative and fun time. DX Engineering has also supplied some swag to give away, so come one and all.

Lastly, is a final reminder to get your dues in. We need everyone's support to make our club successful. We have quite a few great events coming up and I'm sure you all want to continue getting updates and Capers via the reflector. Please get those dues in by March 31. It's easy with the PayPal link on our website.

See you all this Friday!

Marcus
AB1WV

Vice-President's Message de N1NRP



Greetings CARA Members and Friends of CARA:

I'm pleased to hear about the progress with the CARA 6M Repeater. Thank you Gregory - WR1Z CARA Repeater Chairman for travelling to Lancaster, PA to meet with Kevin Magloughlin - KA0JQO, on February 23. Gregory picked up the reconditioned replacement CARA 6m GE MASTR II Repeater Station with brand new Arcom 210 Link Controller.

Kevin also donated several hours to investigate with Greg and resolve some issues with our Motorola MSF-5000 2M repeater, restoring it to working condition. Thank you, Kevin.

Thank you, Gregory, for your efforts and detailed report, which is included in this month's Capers.

I'd also like to acknowledge the contributions of other members with respect to the repeaters: John - W1JGM, Marcus - AB1WV, Hugh - W1HBR, and Charlie - KC1IBR.

Please renew your CARA 2019 dues, since our membership roster will be updated soon. Remember, membership includes the use of the CARA Reflector, and your

subscription to the CARA Capers Newsletter too.

I'm home from the hospital now, and resting as comfortably as possible and I'm accepting text messages at my email address.

I'm hoping for an early Spring - too much snow in March.

73, Jay - N1NRP

February 8 CARA Meeting Minutes de N1GSA



Meeting called to order at 8:00 pm by Pres. Marcus Swearingen.

Pledge of Allegiance was recited.

Round Robin Introductions followed.

Secretary read the minutes of the last meeting which were approved.

Hamfest is set for Aug 25, 2019. This has been submitted to the ARRL for inclusion in their calendar. The VE Session has been set up. The Flyers are being formatted and will be ready for distribution shortly.

There is some club equipment that needs to be picked up at Jay's home. This includes at least one antenna and other misc. items.

The treasurer reported an opening balance of \$5213.07. The balance as of this meeting is \$5380.26.

A Winter Field Day wrap up followed. All stated that it was a fun event. There were no 80-meter contacts. There was tremendous noise on some bands which made them unusable. The antennas and radios worked properly until the noise level started around 4 pm. Sunday morning started good and then the noise returned.

Harlan reported that the Go-Kit is still in process. He is planning to donate a Signalink to install in this kit.

There was another request for someone to step up to be Field Day Chairman. If no one is able to take this on, we may not have a Field Day this year.

There has been a letter received for a WACC award from Russia. This will be taken care of shortly with the certificate printing.

Roger brought up about our participation in the NEQP. We have for many years operated W1AW station in Newington. This is always a fun day of operating. There is much interest so Roger will make our reservation at W1AW. This was made a motion, seconded and approved as an official club event.

Marcus has spoken with Jay about the 501c3 status and proper ways to access the Secretary of State website to keep our status current.

Contact will be made to possibly participate in the JOTA with the Boy Scouts.

Dan had a presentation about possible programs for upcoming meetings. This included many ideas.

Marcus gave a talk about his trials and tribulations with construction of a stealthy antenna for 2 meter that was presented in a recent QST issue. There were pipes missing from the parts list along with some dimensions that were wrong. Total cost should be under \$20 for construction. We will have a report in the future as to how this antenna actually performs.

Respectfully Submitted: Gary S. Adams,
N1GSA - Secretary

CARA February 22 Planning Meeting Minutes

de N1GSA

Meeting called to order at 7:30 by Pres.
Marcus Swearingen.

First order of business was finding a Field
Day Chairman.

Also, we need more of a committee
participation. Ex: Setup, Antenna, Station 1,
Station 2, Public Information, etc. This
should take some of the pressure off the
Chairman.

Proposed Programs for upcoming meetings:
Eric – KB1ZIR, and his Go-Bag, Rosty-
W2ROS, with Red Cross Radio operations,
Dana – N1OFZ, with a Raspberry Pi
presentation, John-W1JGM, giving a primer
on WSJT 2.0, Tom – WX1T, with NTS and
what it does.

John – W1JGM, brought up about Icom
America registration for Swag etc. that they
give out weekly as well as Icom Booth at the
Hamfest. They also have Skype
presentations available.

Harlan – W1QH will buy 3 batteries and 3 cases for the computers. 2 Batteries were approved for purchase in Dec.

An inquiry was made with W1QJ concerning his presentation about Crozet Island and his experience with obtaining a QSL Card.

John – W1JGM has Hamfest preparations underway. He reminded us that it is only 6 months away. Comcast and Charter could be possible places to advertise. Bill needs to be contacted about the permits and Town Hall Reservation.

Gregory is taking a trip to PA to retrieve the 6 meter repeater as well as a few other things.

This should make Jay very happy as he was looking forward to using our 6 meter capability. The 2 meter antenna has been retrieved from Jay's home. It needs some TLC along with probably a new Phasing Line. This is being investigated.

Dan, John, and Gregory had a Repeater meeting prior to this Planning Meeting. They spoke about upcoming needs as well as the work party to transfer equipment up the hill to be reinstalled.

Dan spoke about the beginnings of W1QI as the official Club Callsign. 1969 was the first usage of W1QI. Should we have a Special Event? Possibly something special at Field Day acknowledging this event.

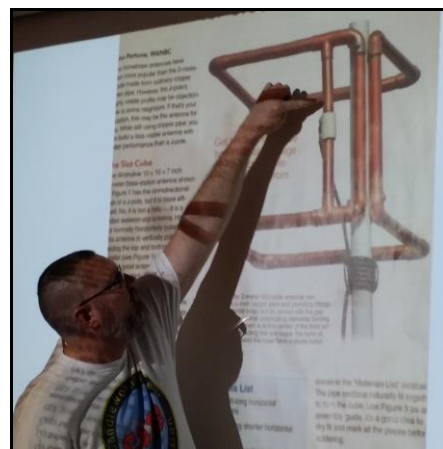
The CARA banner design has finally been completed. The cost is \$137.00 for 2 banners.

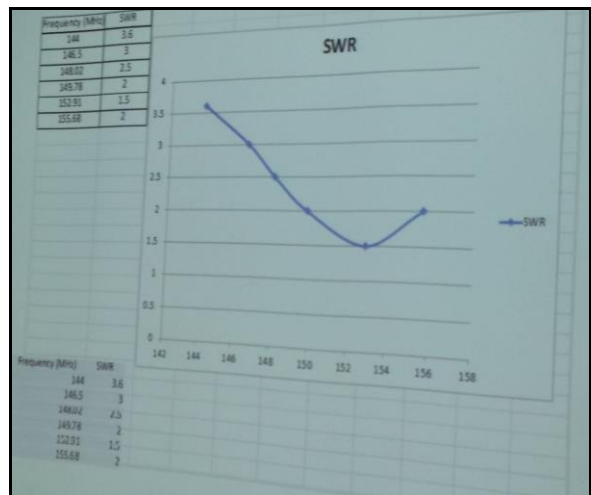
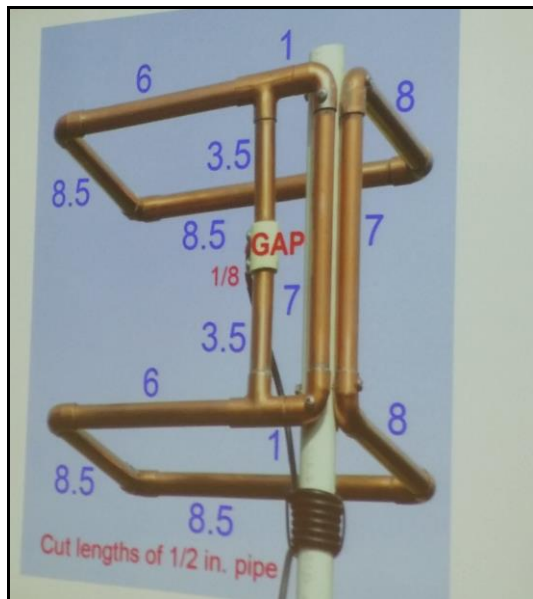
Respectfully Submitted:
Gary S. Adams, N1GSA - Secretary



**Last month's meeting:
AB1WV and his Homebrew 2M FM Antenna**

Photo Credits: W1QK





CARA 2019 Dues are Due

It's that time of year, so members – please take care of your CARA dues renewal soon.

\$30.00 Full Member \$45.00 Family (2 Members)

\$15.00 Senior (65+)/Student (Under 18)

\$60.00 Family (3 Members)

\$30.00 Associate Member (Non-Ham)

\$75.00 Family (4 Members)

If anyone wishes to become a CARA member but cannot afford the Membership Rate, please speak with the President or Treasurer, and special arrangements can easily be made.

There are now three ways to handle this:

1. Bring a check to the January meeting, payable to "CARA"
2. Mail a check to the CARA post office.
Candlewood Amateur Radio Association
P.O. Box 741
Hawleyville, CT 06440-0741
3. Log onto the CARA website and click on the PayPal option. (Friends & Family). Ensure your name and callsign are entered on the transaction.

<http://www.cararadioclub.org/>

Thank you for your prompt attention to this request.



CARA is an ARRL- designated
Special Service Club



Connecticut Phone Net – CPN

Meets daily: M-F 6:00 p.m. 3.973 MHz.

Sunday: 10:00 a.m. 3.965 MHz.

CARA Contributions:

Wednesday Net control: Harlan, W1QH

Net Manager: Tom, WX1T



Weekly CARA NETS:

CARA 10M "Rag Chew Net":

28.490 MHz. 7:00 pm Sunday

CARA 2M NET:

W1QI 2M Repeater – 7:30 pm Sunday

Worked All Connecticut Counties Award, WACC – Sponsored by CARA:

<http://www.cararadioclub.org/activities>

Upcoming Contests, Hamfests & Meetings:

Mar. 8: March Monthly CARA Meeting

Mar. 9-10: ID QSO Party, WI QSO Party, OK
QSO Party, RSGB Commonwealth
Contest, Stew Perry 160M contest

Mar. 11: ARES Region 5 South meeting –
Danbury EOC

Mar. 16: BARTG RTTY Contest, VA QSO Party,
Russian DX Contest

Mar. 22: CARA Monthly Planning meeting

Mar. 24: Southington Hamfest and Annual
Spring Statewide CT ARES Meeting

Mar. 25: ARES Region 5 meeting – Litchfield

Mar. 29-31: CQ WW WPX SSB Contest

Mar. 6, 13, 20, 27: CWOps CWT Minitest
1300Z, 1900Z, 0300Z

Southington Hamfest – March 24
Annual Statewide Spring CT ARES Meeting –
11:00 am

<http://www.arrl.org/hamfests/southington-amateur-radio-hamfest>

New England and other local hamfests:
<http://web.mit.edu/w1gsl/Public/ne-fleas>

Complete Contest calendar at:
<http://www.hornucopia.com/contestcal/contestcal.html>

Upcoming CARA Calendar:

Mar. 8: CARA February Monthly meeting
Mar. 22: Monthly planning meeting – SHFD
Apr. 3: April Capers input deadline



YCCC News

Club members stay in touch through the club newsletter called the [Scuttlebutt](#), and through the Internet.

The value of YCCC membership is the opportunity to work side by side with the best. Cooperation and team work spiced with the strong spirit of competition is at the heart of YCCC accomplishments and contest victories.

The YCCC is an [ARRL](#)-affiliated club.

Next Meeting: April 14, 2019

From the YCCC Reflector:

From: [Dennis Egan](#)

Date: Sun, 06 Jan 2019 11:24:53 EST

The April YCCC Meeting will be 1-4pm on Sunday, April 14, at the Sturbridge Host Hotel. This is our annual election meeting.

Speaking of elections, after much deliberation I've decided not to run for YCCC President this year. I've been pres. for the last two years, and Vice Pres for 5 years or so prior to that, so I feel its time to pass the mantle on to someone else.

Charlie N1RR is not available to be the Pres. next year, so the club will need someone else to be pres. If you are interested in the job, please contact me and I can tell you what's involved.

I'd like to thank everyone for a good two years as your president, but it's time for me to explore other aspects of amateur radio.

Dennis W1UE

More information on the YCCC website:

www.yccc.org

Reminder:

*CARA is registered for ARRL Affiliated Club Competition. Use: **Candlewood ARA** when submitting your **Cabrillo Log**.*

In order to make sure the club results are accurate and fair to all, the ARRL Contest Branch is renewing its effort to help clubs comply with the rules. ([See section 8 of the General Rules for All Contests at www.arrl.org/general-rules-for-all-arrl-contests.](#))

Here are the three changes:

- Online uploading of club "Eligibility Lists",
 - Use of six-character grid locators as locations, and
 - Deadline for submitting eligibility is now the contest start time
-



CT ARES News:

Connecticut ARES Region 5 conducts a weekly net each Wednesday at 7:30 p.m.

New Milford: 146.730 MHz -600 kHz PL 192.8 Hz

NARA analog repeaters for this net:

Washington: 441.850 MHz +5 MHz **PL 203.5 Hz**

Woodbury: 444.800 +5 MHz PL 192.8 Hz

Warren: 53.970 MHz -1 MHz PL 110.9 Hz

Please check in – All are welcome.

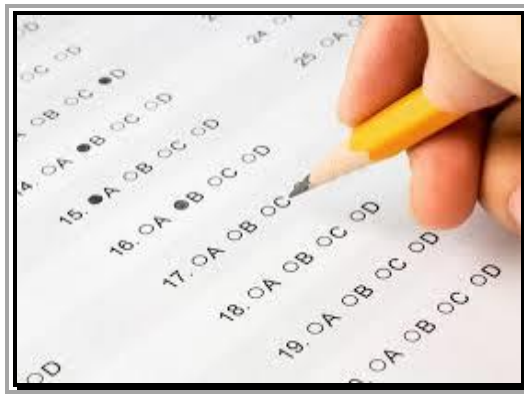


<http://www.ctares.org/>

CT Annual Statewide Spring Meeting: Southington
Hamfest – March 24, 11:00 am

Plan to attend the presentation by:
Mike Walters, W8ZY
CT Section Emergency Coordinator

2019 CARA Ham Exam Schedule:



2019 Amateur radio exam sponsored by CARA at the Stony Hill FD. Bethel:

Starting at 11:30 a.m.

Walk-ins are welcome, but it's helpful if candidates e-mail Jonathan Bernon, AJ1U, to AJ1U@arrl.net

The following dates (Saturdays) for 2019 have been coordinated with the Stony Hill Firehouse Meeting Room scheduler:

- June 8
- September 14
- December 7

Thanks & 73,
Jon, AJ1U
CARA VE Team Coordinator

Other upcoming VE exam sessions: Stamford CT 06901-2902

03/09/2019

Sponsor: Stamford ARA

Date: Mar 09 2019

Time: 9:30 AM (Walk-ins allowed)

Contact: Terrence S. Martin

(203) 357-9293

Email: ranceiii@aol.com

VEC: ARRL/VEC

Location: Stamford Government Center (4th Floor Cafeteria)

888 Washington Blvd

Go to ctsara.org for more info

Stamford CT 06901-2902

Litchfield CT 06759-3404

03/12/2019
Sponsor: Northwest Amt
Date: Mar 12 2019
Time: 7:00 PM (Walk-ins allowed)
Contact: Lawrence S. Polowy
(860) 283-4089
Email: lspolowy@snet.net
VEC: [ARRL/VEC](#)
Location: Litchfield Firehouse
258 West St
Park in Rear
Litchfield CT 06759-3404

Milford CT 06460-5065

03/13/2019
Sponsor: Milford Amt Radio Repeater
Date: Mar 13 2019
Time: 7:30 PM (No Walk-ins / Call ahead)
Contact:
(203) 506-9609
VEC: [W5YI VEC](#)
Location: Margaret Egan Center
35 Matthews St
Milford CT 06460-5065

Trumbull CT 06611-1944

03/14/2019
Sponsor: CT Regional Test Center
Date: Mar 14 2019
Time: 6:30 PM (Walk-ins allowed)
Contact: Kevin W. Cellini
(203) 209-6495
Email: kevin.cellini@gmail.com
VEC: [ARRL/VEC](#)
Location: <http://441700.org/CRTC/crtc.htm>
VE's Residence
49 Sunrise Ave
Trumbull CT 06611-1944

Wallingford CT 06492-2327

03/16/2019
Sponsor: Meriden Amateur Radio Club
Date: Mar 16 2019
Time: 9:00 AM (No Walk-ins / Call ahead)
Contact: Donald G. Mitchell
(203) 239-2077
Email: dmitchell1273@sbcglobal.net
VEC: [ARRL/VEC](#)
Location: Hope Hill Firehouse
143 Hope Hill Rd
Pre-Registration Preferred
Wallingford CT 06492-2327

Southington CT 06489-9999

03/24/2019
Sponsor: SARA
Date: Mar 24 2019
Time: 10:00 AM (Walk-ins allowed)
Contact: Michael D. Johnson
(860) 877-6625
VEC: [ARRL/VEC](#)
Location: Southington High School
720 Pleasant St
Southington CT 06489-9999



CARA used N1MM+ Contest Logger during the ARRL 2018 Field Day, and 2019 Winter Field Day.

For a free download, visit:

<https://n1mm.hamdocs.com/tiki-index.php>

Thank you, Tom Wagner – N1MM, and the
entire N1MM+ Logger Team

The following is **not** a paid advertisement. CARA is an ARRL Affiliated Club, and an ARRL Special Service Club, and we encourage you to consider joining the ARRL to support the programs that the organization sponsors – Editor.



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- [QEX -- A Forum for Communications Experimenters](#). Published bimonthly, features technical articles, construction projects, columns, and other items of interest to radio amateurs and communications professionals.

Free of charge to ARRL members...

- [Subscribe](#) to the [ARES E-Letter](#) (monthly public service and emergency communications news), the [ARRL Contest Update](#) (bi-weekly contest newsletter), Division and Section news alerts -- and much more!
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ARRL offers a wide array of [products](#) to enhance your enjoyment of Amateur Radio. Visit the site often for new publications, specials and sales.

[Donate](#) to the fund of your choice -- support programs not funded by member dues!

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About ARRL:

Founded in 1914 by Hiram Percy Maxim, ARRL (American Radio Relay League) is the national association for Amateur Radio in the US. Today, with more than 161,000 members, ARRL is the largest organization of radio amateurs in the world. ARRL's mission is based on five pillars: Public Service, Advocacy, Education, Technology, and Membership.



**The Doctor Will See You
Now!**

"Meet the Raspberry Pi" is the topic of the new (February 28) episode of the "[ARRL The Doctor is In](#)" podcast. Listen...and learn!

**ARRL The Doctor is In
Podcast**

Available on iTunes & Stitcher



www.DXEngineering.com



Sponsored by [DX Engineering](#), "ARRL The Doctor is In" is an informative discussion of all things technical. Listen on your computer, tablet, or smartphone -- whenever and wherever you like!

Every 2 weeks, your host, QST Editor-in-Chief Steve Ford, WB8IMY, and the Doctor himself, Joel Hallas, W1ZR, will discuss a broad range of technical topics. You can also email your questions to doctor@arrl.org, and the Doctor may answer them in a future podcast.

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In Brief...

W6RO aboard the *Queen Mary* to Celebrate 40th Anniversary in April

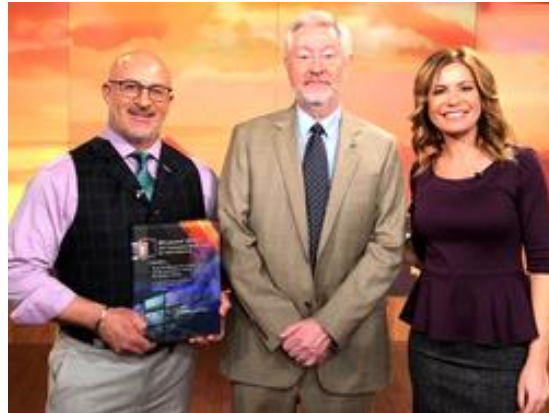


The 50-member volunteer crew of the *Queen Mary* W6RO Nate Brightman Wireless Room will mount a month-long special event in April to mark the 40th anniversary of the station's opening on the museum ship in Long Beach, California. Launched April 22, W6RO was the first of what has grown to more than 100 Amateur Radio stations based on museum ships around the world. Crew members work tirelessly to keep W6RO on the air and make as many contacts as possible during April. Station manager David Akins, N6HHR, has set a goal of 1,000 logged contacts during the 30-day event. A commemorative QSL card [will be available](#) with an SASE. Founded by Nate Brightman, K6OSC (SK), W6RO is the club station of the Associated Radio Amateurs of Long Beach.

ARRL Leonard Award Presented Live on The Weather Channel

ARRL Southeastern Division Director Greg Sarratt, W4OZK, traveled to Atlanta on February 15 to make a live, on-air presentation of the 2017 ARRL Bill Leonard W2SKE Professional Media Award for Video

Reporting to The Weather Channel's Jim Cantore and Jen Carfagno. Cantore and Carfagno co-host The Weather Channel's morning *AMHQ: America's Morning Headquarters* program.



(L - R) Jim Cantore, Greg Sarratt, W4OZK, and Jen Carfagno. [Photo courtesy of The Weather Channel]

The 2017 Leonard award [recognized](#) the *AMHQ* co-hosts' September 2017 interview of then-ARRL Emergency Preparedness Manager Mike Corey, K11U. Corey discussed ARRL's efforts to assist the American Red Cross in the response to the devastation caused by Hurricane Maria in Puerto Rico. The February 15 presentation included a clip of the Corey interview as well as an interview with Sarratt. He presented *AMHQ* co-hosts with a \$250 check as part of the award, which The Weather Channel has donated to the American Red Cross.

"I enjoyed my visit to The Weather Channel, making the presentation, and meeting many friendly people there," Sarratt said. "Before the presentation, I was given a quick tour of the studio and, after the presentation, I was given a detailed tour of the control room and learned how the shows are put together and produced."

It's estimated that nearly 250,000 people were watching The Weather Channel at the time of the presentation.



CW Ops CW Academy:
Interested in learning CW or improving your skills?

Check out www.cwops.org

CW Ops “CWT” Every Wednesday Regular Tests. Full Speed Start: 13Z, 19Z, 03Z (+1), 1-hour each session Exchange: name/number (members) name/SPC (non-members) Avoid DX pileups!

CW Ops CW Practice Sessions:
For: On-air practice at 13+ wpm for CWA students, graduates, others wishing to have real-time CW practice with others similarly afflicted with a love of CW and a need to improve proficiency, with a goal of 25+ wpm.

Purpose: To improve CW through on-air practice at a time and place when others are likely available.

Time and place: 7035-7045 kHz every Tuesday, Friday and Sunday around 6-8 pm local time.

CW training is available and details can be found at www.cwops.org/cwacademy.



CARA is an ARRL – Affiliated Club

Member and Station News:

Your news or story could be included here in the next issue of CARA Capers. Contact W1QK, Capers editor.

Just snap a pix of your station, antennas, mobile installation, etc. and send it in!

Submitted by Vinny, N2OHH:



A basic setup is just having some means of getting the audio from a radio tuned to 145.800 FM into a computer or phone.

Installing one of the free SSTV apps for your phone and just putting the mic up to the speaker of the radio will allow you to decode the signal.

As for knowing WHEN to listen - I use Gpredict for Windows. You can also use Orbitron or check any websites that tell you when the ISS will be overhead and check a few minutes before that. Though, when I got that picture, I just had a radio tuned to the ISS frequency and was surprised to hear it.

I did get some partial from the first pass I heard. I would have gotten a bit more if I was expecting it and had been properly setup.

The picture was from the second pass that day.

My setup is a dual-band mobile attached to

a Signalink USB connected to computer running MMSSTV. I can easily do the same from the car and a laptop.

It would make a great project for a Raspberry-Pi and just set it up to continually look for SSTV, Packet, or other signals that they may be sending.



Visit us on the Web at
<http://www.cararadioclub.org>

Executive Board:

President – Marcus Swearingen, AB1WV
ab1wv@silverswear.net
Vice President – Jay Albano, N1NRP
jjalbano@aol.com
Secretary – Gary Adams, N1GSA
mrclipper69@yahoo.com
Treasurer – Tom Coury – WX1T couryt1@gmail.com

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Roger Mitchell, NG1R roger.mitchell@snet.net
Dan Fegley, W1QK w1qk@snet.net

*CAPERS is the monthly newsletter of the
Candlewood Amateur Radio Association
Editor: Dan Fegley, W1QK*



A brief word from our editor...

CARA CAPERS is the monthly publication of the Candlewood Amateur Radio Association, Inc. (CARA) and is intended to present news, issues, and opinions of

interest to CARA members and the Amateur Radio Community.

We encourage contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world. Permission is granted to reprint material contained herein as long as proper credit is given to this newsletter and the author.

Ideas for and contributions to the CAPERS should be submitted to: w1qk@snet.net.

Submissions must be received no later than the last Friday of the month preceding month of issue, *unless otherwise specified*.

Submissions should be in MS Word format or ASCII text. Photos should be in .jpg format.

Material received after the deadline will be used in the next month's CAPERS if it's still current and /or newsworthy.

The CAPERS is published by CARA Capers Editor. All material contained herein is considered the opinion of the author and not necessarily that of CARA.

Announcements of events are for informational purposes and do not necessarily constitute an endorsement by CARA. No responsibility for accuracy is assumed by the CARA Capers editor or newsletter staff.

Courtesy of: The Mahoning Valley Amateur Radio Association's Award-Winning monthly newsletter: "Voice Coil"

<http://www.mvara.org/News/Current.pdf>

On Tue, Feb 12, 2019 at 12:52 PM Dan Fegley
<w1qk@snet.net> wrote:
Hello:

Congratulations on your outstanding Voice Coil newsletter.

The VOICE COIL is the monthly publication of the Mahoning Valley Amateur Radio Association, Inc. (MVARA) and is intended to present news, issues and opinions of interest to MVARA members and the Amateur Radio Community. We encourage

contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world. Permission is granted to reprint material contained herein as long as proper credit is given to this newsletter and the author. Ideas for and contributions to the VOICE COIL should be submitted to: MVARAVoiceCoil@gmail.com

I've "borrowed" the **Last Word** with attribution, of course.

I've also attached the Candlewood Amateur Radio Association's (CARA) February Capers monthly newsletter in .pdf format, since the MSWord file is too large to attach.

I've been the editor for several years now. Back issues are posted on our club's website: www.cararadioclub.org.

There's a mention that the Voice Coil is an "award winning" publication. Would you please advise me of the competition sponsor and details for submission for consideration of this recognition?

Thanks in advance for your assistance.

73 - Dan Fegley, W1QK
CARA Capers Editor

Voice Coil <mvaravoiccoil@gmail.com>

To:Dan Fegley

Feb 15 at 3:10 PM

Hi Dan:

We will add you to our exchange list.
The award is an annual one; given to newsletters in the ARRL Ohio Section. We placed twice in the last four years.

Mark Haverstock – K8MSH, Voice Coil Editor

CARA Capers: Swap and Shop Policies

(Courtesy: MVARA Voice Coil)

CARA assumes no responsibility for transactions made or inaccuracies in ads. You are responsible for checking your ad and notifying us of any corrections. Swap and Shop listings are open to licensed CARA hams, based on space available. Please submit your list to w1qk@snet.net for placement in the CARA Capers.

Yes – Free advertising for CARA Members !

NOTICE TO CAPERS READERS **CAPERS is an important aspect of our club.**

It's time for **more participation** with this publication.

CAPERS is looking for ANY and ALL input. Don't be shy, just send a few words, a picture, link, or short message to Dan Fegley, your Editor. If possible, text should be submitted in Microsoft Word format, and images in .jpg format. Please use picture files that are sized for publication.

w1qk@snet.net

CAPERS deadline for input:
LAST Friday of the Month preceding the meeting.

CAPERS will be released:
Monday before the scheduled Friday monthly meeting – or earlier if possible.

Candlewood Amateur Radio Association, Inc.

--- W 1 Q I ---

www.CARARADIOCLUB.ORG

**Analog FM Repeaters: 147.300 MHz /+600 kHz PL100Hz,
447.775 MHz /-5 MHz PL100; 53.130 MHz /-1 MHz PL100Hz; 223.960 MHz / -1.6MHz PL
91.5**

PO BOX 741 Hawleyville, CT 06440-0741

CARA REPEATER COMMITTEE

Gregory G. Davis, WR1Z Chairman

23-25 Feb 2019 Meeting: WR1Z & KA0JQO

Field Trip Report: 23-25 Feb 2019 WR1Z 580 mi r/t travel to KA0JQO

Kevin Magloughlin (717) 342-9031 krmjqo@earthlink.net

Base Station Supply, 3648 Keen Avenue, Mountville PA. 17554

Purpose: CARA 6m Repeater Station System Acceptance testing

Pictured: CARA 6m Rack Mount Chassis sent to KA0JQO for repair in 2015, sits atop the Newly Reconditioned replacement CARA 6m GE MASTR II Repeater Station with brand new Arcom 210 Link Controller, prepared for acceptance testing by KA0JQO.



All Photo Credits: WR1Z

Left side image: Replacement 6m Repeater Radio Housing Rack.

Right side image: The remains of the original CARA rack containing a 10V regulator module at the far right of the control shelf, and the exciter assembly in the radio tray. Both assemblies are serviceable spare parts.

The receiver assembly from the original CARA radio tray is now installed in the new CARA 6m repeater. All other component parts were entirely replaced, including the Station Power supply, an upgrade to a continuous duty 100W High Power Amp, repeater station rack chassis, AUDIO IO control shelf module, Radio tray chassis, Radio Tray IF/audio and squelch module, PL tone encode and decode assemblies, loudspeaker assembly, Chassis Rack and Cabinet Doors, and local station microphone.



Never to be used Control Shelf modules - TX Control & 2175Hz "Secure-It" Dectector were removed and donated back to the KA0JQO system support inventory.

80W TX, Arcom interface, RX and Level Calibrations were confirmed in the Final acceptance testing of this absolutely incredible GE Master II CARA 6m Repeater station.

Documentation Review, Repeater Support Training

The original CARA tech manual was entirely reviewed for content and accuracy. Missing sections and essential content to be found were identified.

The correct Master II complete maintenance manual is an ESSENTIAL Document to be found/obtained... along with the correct sections covering the Low Band station RF receiver/PA, Exciter sections.

If a copy does not become available on eBay, KA0JQO will consider making a copy of his one and only master set for CARA purchase.

The Master II maintenance manual system alignment procedures were reviewed using the GE Master II test set. KA0JQO had several of these test sets available, and one was purchased.



The Deep immersion technical repeater training and hosting hospitality provided by Kevin & Marie at their home was a joyous experience. A MASSIVE THANK YOU.

CARA 2m MSF5000 Repeater Station Service

KA0MJQ made the offer to provide a complimentary look/see of the CARA 2m MSF5000 repeater station. After the wrapup and loadout of the 6m Repeater station, the CARA 2m MSF5k was brought into the lab.

After connecting test equipment and powering up the repeater, malfunctions were clearly obvious... intermittent noise and repeater audio operation; error codes reported on the SSCB. Further investigation revealed a faulty SSCB/TTRC control card, in addition to the some invalid settings in the operating code plug.



The CARA spare set of SSCB/TTRC control assemblies were installed and tested. Code plug errors were corrected. The Thermistor controlled fan control tray was re-wired, configured and tested. The CARA MSF MRSS Laptop computer code plug was updated. The TX harmonic filter was replaced and wired for proper repeater operation. The repeater was put into live TX operation with dummy load and demonstrated full power/full modulation continuously for 3 hours. An overnight burn in with followup TX fire up 9 hours later, full power/full modulation. Receive sensitivity was then checked. The antenna input cable between the rear panel jumper and RF RX 'N' had low level intermittent noise. The cable was replaced. CARA now has a mighty fine Motorola MSF5000 2m repeater station ready for deployment.

KA0MJQ donated two antennas to CARA: a used Yagi UHF and NIB Cushcraft LoBand VHF ringo.

25 Feb 2019; 1pm, prepare for final load out and return drive to CT.

Field Trip Report: 23-25 Feb 2019 WR1Z 580 mi r/t travel to KA0JQO

**Preliminary CARA 2019 Calendar –
From Planning meeting on February 22:**

CARA Program and Activities Committee: Marcus – AB1WV, Dan – W1QK, Bud – W1NSK

March

8 - Monthly meeting with Skype presentation on WRTC 2018 by Tim Duffy – K3LR
22 – March planning meeting

April

12 – Monthly meeting with presentation by Dana- N1OFZ and his Raspberry Pi packet station. Proposed: Eric - KB1ZIR and his Go-Bag demo.
26 – April planning meeting
Spring Fox Hunt?

May

4 – NEQP, CARA proposed operation at W1AW
10 - Monthly meeting - Nominations Open for Elections
Presentation: Rosty – W2ROS and American Red Cross Radio communications
24 – May planning meeting

June

8– Annual Elections, Finalize FD Preparations?
Proposed Presentation: Dan – W1QK and N1MM+ Logger FD commands
21 – June planning meeting
22-23 – ARRL Field Day?

July

12 – Monthly Meeting
Proposed Presentation: Lou – W1QJ and his Crozet Island QSO & QSL Story
New Fairfield Benefit Car Show – W1QI Special Event Station?
16 – Proposed CARA Annual Tuesday Pasta Night at the Italian American Club, Danbury?
26 – July planning meeting

August

9 – Monthly meeting – Final Hamfest Preparation – Presentation: open
23 – August planning meeting
24 - W/VE Islands QSO Party – W1QI Candlewood Isle, New Fairfield?
25 – CARA Hamfest in Newtown

September

13 – Monthly meeting – Presentation: open
27 – September planning meeting
New Fairfield Day Special Event Station – N1F?

October

11 – Monthly meeting - Presentation: CARA/YCCC WCT Area joint meeting?
25 – October planning meeting
Fall Fox Hunt?

November

- 8 – Monthly meeting – Presentation: Open
- 22 – November planning meeting

December

- 13 – Monthly meeting – Presentation: Open
CARA Annual Holiday Gathering?
- 27 – December planning meeting



Final scores

Published: July 17, 2018

| # | Call | log | Cabrillo | SH5 Stats | TL | TM | Final Score | QSO | CW | SSB | DXCC | HQ |
|-----|------|----------|----------|-----------|--------|--------|-------------|------|-------|------|------|-----|
| 1 | Y81N | y81n.txt | y81n.log | Y81N | LY9A | LY4L | 5690685 | 5139 | 3,617 | 1522 | 274 | 155 |
| 2 | Y81A | y81a.txt | y81a.log | Y81A | DJ5MW | DL1IAO | 5273488 | 4936 | 3591 | 1345 | 257 | 161 |
| 3 | Y82V | y82v.txt | y82v.log | Y82V | N6MJ | KL9A | 4891710 | 4766 | 3721 | 1045 | 258 | 152 |
| 4 | Y81M | y81m.txt | y81m.log | Y81M | F8DBF | F1AKK | 4832968 | 4808 | 3385 | 1423 | 243 | 149 |
| 5 | Y86Q | y86q.txt | y86q.log | Y86Q | LZ4AX | LZ3FN | 4814454 | 4616 | 3305 | 1311 | 251 | 160 |
| 6 | Y84Z | y84z.txt | y84z.log | Y84Z | OM3BH | OM3GI | 4671216 | 4573 | 3533 | 1040 | 252 | 144 |
| 7 | Y89A | y89a.txt | y89a.log | Y89A | S50A | S57AW | 4631679 | 4585 | 3425 | 1160 | 250 | 153 |
| 8th | Y89R | y89r.txt | y89r.log | Y89R | US2YW | UW7LL | 4626450 | 4475 | 3358 | 1117 | 264 | 150 |
| 9 | Y84W | y84w.txt | y84w.log | Y84W | 9A7DX | 9A3LG | 4614338 | 4452 | 3312 | 1140 | 246 | 163 |
| 10 | Y82G | y82g.txt | y82g.log | Y82G | IZ3EYZ | IK4VET | 4568432 | 4449 | 3770 | 679 | 249 | 155 |
| 11 | Y87O | y87o.txt | y87o.log | Y87O | N2NL | W2SC | 4548429 | 4475 | 3787 | 688 | 253 | 144 |
| 12 | Y83O | y83o.txt | y83o.log | Y83O | ES5TV | ES2RR | 4544880 | 4182 | 2633 | 1549 | 266 | 169 |
| 13 | Y81D | y81d.txt | y81d.log | Y81D | UR0MC | VE3DZ | 4532990 | 4496 | 3406 | 1090 | 249 | 157 |
| 14 | Y87W | y87w.txt | y87w.log | Y87W | YO8TTT | UT5GW | 4489658 | 4232 | 3279 | 953 | 260 | 162 |
| 15 | Y87M | y87m.txt | y87m.log | Y87M | N4YDU | N3KS | 4488614 | 4474 | 3335 | 1139 | 243 | 160 |
| 16 | Y81U | y81u.txt | y81u.log | Y81U | 9A1UN | 9A6XX | 4473155 | 4367 | 3024 | 1343 | 249 | 152 |
| 17 | Y87C | y87c.txt | y87c.log | Y87C | K1LZ | YO9GZU | 4444235 | 4272 | 3108 | 1164 | 257 | 158 |
| 18 | Y84X | y84x.txt | y84x.log | Y84X | K6XX | WA6O | 4403958 | 4341 | 3442 | 899 | 243 | 150 |
| 19 | Y82F | y82f.txt | y82f.log | Y82F | E77DX | 9A5K | 4337298 | 4315 | 2813 | 1502 | 252 | 154 |
| 20 | Y82K | y82k.txt | y82k.log | Y82K | W2GD | AA3B | 4322976 | 4271 | 3497 | 774 | 247 | 145 |
| 21 | Y83V | y83v.txt | y83v.log | Y83V | N9RV | N6TR | 4296964 | 4133 | 3497 | 636 | 243 | 151 |
| 22 | Y84O | y84o.txt | y84o.log | Y84O | R8CT | UA4FER | 4267613 | 4586 | 3310 | 1276 | 230 | 141 |
| 23 | Y82D | y82d.txt | y82d.log | Y82D | HA8RT | DK6SP | 4247544 | 4206 | 2772 | 1434 | 248 | 145 |
| 24 | Y84P | y84p.txt | y84p.log | Y84P | OH6KZP | OH6UM | 4235070 | 4295 | 3332 | 963 | 244 | 158 |
| 25 | Y86C | y86c.txt | y86c.log | Y86C | RW1A | Ra1a | 4200074 | 4135 | 3299 | 836 | 255 | 146 |
| 26 | Y84Q | y84q.txt | y84q.log | Y84Q | K3LR | DL1QQ | 4141683 | 4273 | 2939 | 1334 | 242 | 147 |
| 27 | Y81R | y81r.txt | y81r.log | Y81R | RW7K | UB7K | 4136340 | 4183 | 3220 | 963 | 243 | 147 |
| 28 | Y87U | y87u.txt | y87u.log | Y87U | SM5AJV | SM3SGP | 4119753 | 4253 | 3370 | 883 | 234 | 147 |

| # | Call | log | Cabrillo | SH5 Stats | TL | TM | Final Score | QSO | CW | SSB | DXCC | HQ |
|----|------|----------|----------|-----------|--------|--------|-------------|------|------|------|------|-----|
| 29 | Y83L | y83l.txt | y83l.log | Y83L | K1DG | N2NT | 4092830 | 3828 | 3122 | 706 | 245 | 168 |
| 30 | Y89U | y89u.txt | y89u.log | Y89U | K9VV | VE3EJ | 4064017 | 4346 | 3302 | 1044 | 240 | 139 |
| 31 | Y87G | y87g.txt | y87g.log | Y87G | DL2CC | DK9IP | 4049892 | 4169 | 3505 | 664 | 230 | 148 |
| 32 | Y82A | y82a.txt | y82a.log | Y82A | YO8SCA | S55M | 4021620 | 4024 | 3379 | 645 | 245 | 143 |
| 33 | Y86Y | y86y.txt | y86y.log | Y86Y | VA2EW | DL1CW | 3983640 | 4111 | 3744 | 367 | 237 | 136 |
| 34 | Y83P | y83p.txt | y83p.log | Y83P | N5AW | K5WA | 3981201 | 4247 | 3543 | 704 | 233 | 138 |
| 35 | Y81K | y81k.txt | y81k.log | Y81K | UA2FB | RA2FA | 3977838 | 4082 | 3401 | 681 | 245 | 138 |
| 36 | Y89D | y89d.txt | y89d.log | Y89D | DL4NAC | DL8DYL | 3971744 | 4109 | 2909 | 1200 | 243 | 149 |
| 37 | Y84B | y84b.txt | y84b.log | Y84B | EA2OT | EA8RM | 3931888 | 4025 | 2992 | 1033 | 244 | 153 |
| 38 | Y84Y | y84y.txt | y84y.log | Y84Y | K2PO | KU1CW | 3877452 | 4119 | 3485 | 634 | 237 | 132 |
| 39 | Y83C | y83c.txt | y83c.log | Y83C | LU1FAM | YO9WF | 3855000 | 4155 | 3292 | 863 | 241 | 134 |
| 40 | Y86O | y86o.txt | y86o.log | Y86O | OM2VL | OM3RM | 3851052 | 4080 | 3393 | 687 | 233 | 133 |
| 41 | Y84C | y84c.txt | y84c.log | Y84C | JH5GHM | WA1Z | 3848640 | 3955 | 3346 | 609 | 245 | 135 |
| 42 | Y87K | y87k.txt | y87k.log | Y87K | OK2ZI | OK2ZC | 3823709 | 4127 | 3490 | 637 | 226 | 133 |
| 43 | Y87L | y87l.txt | y87l.log | Y87L | PY1NX | PY2SEX | 3819445 | 4172 | 3012 | 1160 | 238 | 133 |
| 44 | Y83B | y83b.txt | y83b.log | Y83B | LZ5VK | RW4WR | 3798081 | 3812 | 3053 | 759 | 245 | 154 |
| 45 | Y83U | y83u.txt | y83u.log | Y83U | N4TZ | N1UR | 3761956 | 3971 | 2982 | 989 | 229 | 157 |
| 46 | Y82L | y82l.txt | y82l.log | Y82L | N6XI | AE6Y | 3761259 | 4050 | 3417 | 633 | 225 | 136 |
| 47 | Y82N | y82n.txt | y82n.log | Y82N | YV1DIG | RA9USU | 3747966 | 3626 | 3189 | 437 | 251 | 147 |
| 48 | Y83X | y83x.txt | y83x.log | Y83X | 4X6FR | 4X1DX | 3719929 | 3981 | 2459 | 1522 | 235 | 138 |
| 49 | Y83K | y83k.txt | y83k.log | Y83K | KE3X | KD4D | 3692583 | 4092 | 3114 | 978 | 223 | 146 |
| 50 | Y82M | y82m.txt | y82m.log | Y82M | F4DXW | F8CMF | 3636000 | 3738 | 2693 | 1045 | 234 | 141 |
| 51 | Y86J | y86j.txt | y86j.log | Y86J | EC2DX | EA5KA | 3625041 | 4000 | 3090 | 910 | 229 | 142 |
| 52 | Y89M | y89m.txt | y89m.log | Y89M | ZL3CW | F6BEE | 3617435 | 3466 | 3069 | 397 | 235 | 148 |
| 53 | Y84J | y84j.txt | y84j.log | Y84J | RC9O | UA9PM | 3607477 | 3675 | 3163 | 512 | 242 | 141 |
| 54 | Y82B | y82b.txt | y82b.log | Y82B | AD4Z | NP4Z | 3492360 | 3972 | 3039 | 933 | 222 | 134 |
| 55 | Y87V | y87v.txt | y87v.log | Y87V | VE7CC | VE7SV | 3399630 | 3909 | 3450 | 459 | 222 | 123 |
| 56 | Y83Z | y83z.txt | y83z.log | Y83Z | CE2LR | KG5HVO | 3340344 | 3696 | 2944 | 752 | 213 | 141 |
| 57 | Y84G | y84g.txt | y84g.log | Y84G | UN9LW | UN9L | 3141225 | 3729 | 3007 | 722 | 219 | 126 |
| 58 | Y89N | y89n.txt | y89n.log | Y89N | ZL3IO | ZL4YL | 3091791 | 3536 | 2863 | 673 | 221 | 128 |
| 59 | Y86W | y86w.txt | y86w.log | Y86W | K3PA | N3AD | 3055407 | 3596 | 3009 | 587 | 209 | 130 |
| 60 | Y82W | y82w.txt | y82w.log | Y82W | E73A | 4O3A | 2888640 | 3213 | 2750 | 463 | 224 | 136 |
| 61 | Y86P | y86p.txt | y86p.log | Y86P | E21EIC | 9M2ZAK | 2573120 | 2941 | 2788 | 153 | 214 | 130 |
| 62 | Y86V | y86v.txt | y86v.log | Y86V | OR2F | ON5RA | 2532816 | 3035 | 1869 | 1166 | 210 | 141 |
| 63 | Y87B | y87b.txt | y87b.log | Y87B | VY2ZM | KK6ZM | 2319247 | 3625 | 1358 | 2267 | 187 | 100 |

Software and Radios

| | | | | | |
|------|--------|------|-------|---------|-----------|
| Y84Q | ST # 3 | K3LR | DL1QQ | WinTest | 2x IC7610 |
|------|--------|------|-------|---------|-----------|

WRTC Competitors

There have 444 different competitors at WRTC events. This page lists all of them and their place in the standings for the events in which they competed. The Other Calls column shows the callsign they had at the time of the event.

| Call | 1990 | 1996 | 2000 | 2002 | 2006 | 2010 | 2014 | 2018 | Other Calls |
|-------|------|------|------|------|------|------|------|------|-------------|
| K3LR | 18 | | 22 | 34 | 13 | | 26 | | |
| DL1QQ | | | | | | | 21 | 26 | |

Source: <https://wrtc.info/>

Meet the Team

At DX Engineering, we're active Amateur Operators just like you, enthusiastic and passionate about our hobby. Amateur Radio is what we know, and each of us takes pride in making sure that as a customer, you're completely satisfied.



K3LR
Tim Duffy

Tim is our Chief Operating Officer. He is very active on the HF bands. K3LR enjoys hosting multi multi DX radio contest events. Tim likes to help bring new people into the hobby by mentoring them in the fun of amateur radio. Tim is President of his local ham club, the Mercer County Amateur Radio Club. He is active in RACES, ACS and ARES. Tim is a member of the CQ Contest Hall of Fame and was on Team USA for the World Radio Team Championship (WRTC) four times. Tim is the founder and chairman of Contest University (CTU). He is President of the Radio Club of America – the oldest wireless club in the world. K3LR is a past ARRL Section Manager for Western Pennsylvania. He is a graduate of the Pennsylvania State University.

Tim is the recipient of the 2015 Amateur of the Year Award presented by the Dayton Hamvention® Awards Committee and the 2016 YASME Excellence Award.

<https://www.dxengineering.com/techarticles/videolibrary/dxevideolibrary?ibanner=DXEHPB1502002>

Tour the DX Engineering Salesroom:

<https://www.youtube.com/watch?v=Rk5FH1aUFzw&msw=1>