



KEYCLICKS

April
2021

SOLAR CYCLE 25 HAS BEGUN

Watts Up With
That?

"The 100% Wireless Newsletter"

President's Report

Announcements

For Sale @ W2SO

For Sale by Members

What Can Ham's Expect
From Solar 25?

The History of the Electric
Telegraph and Telegraphy

Morse code generator circuit
simple code learning



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Editor KD4HLV

FROM THE W2SO PRESIDENT

Greetings Everyone,

I hope this finds everyone doing well and staying healthy !

Well, spring has sprung!

Tim Allen's Last Man Standing went QRT last week, hope you made some contacts.

April started out with a joke and fooled us once again with some snow !

Sal [formally AE2SZ] got a year older and a new call sign [W2SAL].

The Easter Bunny left us some un-needed chocolates.

So, now it's time to get serious and finish up your radio and antenna projects. Maybe even put that new radio or antenna inline and get it on the air. We also have a few club projects on the list to complete before the weather heats up. Finally, we have some annual club events that will be here before you know it !

(=====)

John KW2JR – has been selling a lot of items out of the clubhouse that were donated over the last year. If you are looking for something specific or special, contact John at KW2JR – [jprusso@buffalo.edu]. If you want to sell something contact John KW2JR with your item and info. We will ONLY accept amateur radio related items from members in good standing.

(=====)

Mark these dates:

W2SO Upcoming Events

Field Day - June 26/27 at Steve's (AG2AA) set up 25th.

13 Colonies Special Event – Dates not posted yet, typically first week in July. Visit <http://www.13colonies.us/> for more info.

Alexander FireGrounds – July 17th., set up friday eve July 16th . Date is on calendar in pencil, pending “COVID” Regs !

W2SO HamFest – Sept 11. - more info will be coming soon. Date is on calendar in pencil, pending “COVID” Regs !

International Lighthouse Lightship Weekend – ILLW - Normally held on the 3rd full weekend in August

- 00.01 UTC 21st August to 24.00 UTC 22nd August 2021 (48 hours)

Who knows we may even hold some other events thru the years.

(=====)

Amateur Extra Class: This course is open to the general public, but seats will be given to LARC members first ! The "Extra Course Student" class size is limited to 6 people. Contact John Maxwell at 404-W2JM [(716) 404-9256] or email John at w2jm_at_arrl.net ! The dates for the course are as follows: Session 1: Monday, 19 April, Session 10: Wednesday, 19 May, 2021!

The exam is scheduled for Monday, 24 May, 2021, 7pm at the LARC clubhouse (Walk-ins allowed) !

(=====)

Operation Kerchunk – Roundtable - will be held this Wednesday eve at 7:00pm /1900 on the W2SO repeater 147.255 PL 107.2 ! Sal [W2SAL] will be hosting, you will need to tune in for the topic.

(=====)

Stay safe everyone, keep pushing that PTT

73

Sal / W2SAL sal_zarbo@yahoo.com



FOR SALE at the W2SO Clubhouse:

At this time prices on items below are firm.

Heathkit Mohawk receiver , very clean
New transformer needs to be wired in. \$65

Warrior linear amp, very clean, Needs a HV Transformer, \$100

Speedex hand key, \$14

Large homebrew Am,Fm signal generator , \$30

HeathKit HD-1426 Field Strength meter, good \$7

HeathKit HR-10 Receiver needs restoration \$50

HeathKit SB-303 Receiver, will receive but needs LMO repair
Comes with manual and optional CW filter \$140

HeathKit HW-104 Transceiver, with power supply and external speaker
Comes with 2 manuals. Receives fine but no Transmit. \$190

Very clean Swan 250 6 meter SSB / CW / AM transceiver,
Receive sensitivity is low.
Comes with power supply/speaker and manual. needs repair \$190

Hammarlund HQ-120 vintage receiver, working, needs new filter capacitor
Also needs power cord, a very attractive receiver from the late 1930's \$80

Some homebrew test equipment, at very low prices.



Contact me if interested.

John Russo, KW2JR jprusso@buffalo.edu

For Sale by our Club Members:

Ft-1000D ---200W ----OPERATING MANUAL, BOX , MIC, POWER CORD. (EXTRAS)---TWO TECHNICAL MANUALS(SCHEMATICS, ALIGMENTS, AND PARTS), POWER SUPPLY PARTS, TWO PA OUTPUT TRANSISTORS, SP-5 EXTERNAL SPEAKER WITH A TIMEWAVE DSP-59Y AUDIO NOISE REDUCTION FILTER. A RARE OPTION FOR THE RADIO---FIF-232C CAT INTER FACE DEVICE (CONNECT A COMPUTER TOO THE RADIO) This radio works on 120VAC. \$1150

Contact DENE' HELWIG N5XDM with any questiona at SENIORCITIZEN54@YAHOO.COM PN 716-639-0207

Radio for sale Kenwood 590s asking \$600.00

Get hold of George Kaczmarek's KD2LLM

MFJ Pocket Size Morse Code Tutor [MFJ-418](#) Like new-GC \$40

TYT TH-7800 50W VHF/UHF Dual Band w/Programming software and cables, no box. G.W.C. \$120

Alinco Hand Mic EMS-57.NEW \$20

Dimond Antenna NR72BNMO (approximately 13.8 inches high) NEW. \$15

[Comet CK-5M](#) Trunk Base mount TM6 GC
NMO Mount \$25

2 [HobbyPCB RS-UV3 Rev.C TriBand](#) (144,220,440) radio \$60ea
More info here: <https://www.hobbypcb.com/index.php/products/uhf-vhf-radio/rs-uv3>

1 [RS-UV3 Enclosure](#) \$20
<https://www.hobbypcb.com/index.php/products/uhf-vhf-radio/rs-uv3-enclosure>



ARiUSB Radio Interface for AllStar Network More information at www.usham.net
Contact me for the local price \$20!

MFJ MODEL MFJ-1224 Mfj Rtty / Cw Computer Interface no box or cables. \$20

SARCTRAC MK1 Automatic Satellite Tracker It is fully assembled working, But requiring a Tripod, antenna and Calibrating. There is full documentation available on there site. they are selling them for £450(pounds), I am asking \$300

<https://www.sarcnet.org/sarctrac.html>

2 [Raspberry Pi 3 B+,Pi 3, Pi 2,B+ Metal Case with Cooling Fan Silver](#), \$5ea

Contact me if interested. Marty KD4HLV

kd4hlv@arrl.net

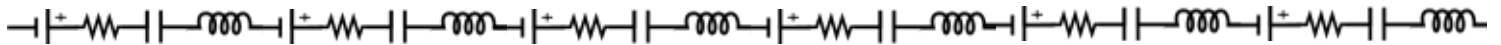
For Sale by our Club Members:

Sigma Euro-Com SE HF X-80. 80 to 6 meter HF vertical.
Does not need radials but requires tuner. \$100

Dr. Ed Fong 220 Mhz (1.25m) vertical built complete. Brand new, never used. \$30

Nelson Antenna Roll up J Pole. 2m and 70cm with SMA male and extra 10' of coax.
Like New \$25

Dennis N2DJS
Cell: 716-385-3029



Interesting Links: Click Links Below

Ham Study Website
Popular Electronic Back Issues
AmericanRadioHistory.Com
Old Fulton New York Post Card searches
Turn on Win-10 God Mode
RF Cafe Science Crossword Puzzle
All About Curcuits
Space WX
Oldschematic.com
National Silent Key Archive
Signal Identification Guide
worldradiohistory.com

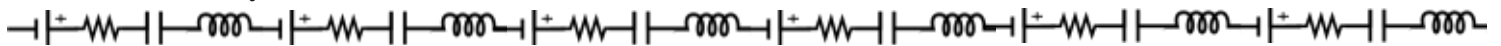
FROM THE EDITOR

If you have something of interest you would like to see in the Key Clicks. An article, your home-brew project, For Sale or would like to share your experience as an Dxer, FT8 only to mention a few. Thank you for your articles.

And Remember:

this is your (you the Members) Newsletter!!
Thank you for allowing me to assemble it for you! -Marty

Send to: kd4hl(at)arrl(dot)net



Announcements

Special Announcement

The club wishes to thank Glenn Kolpack for recent donations to the Clubhouse. Those include a vintage receiver, a working oscilloscope and a set of coax cable adapters.

John P Russo

Dues is still being collected – So for now please use our PayPal link on the W2SO.ORG home web page and at the bottom click on “Pay my Membership Dues” and submit your (\$25.00) membership fee.

A generic Make a Payment link to the clubs website. It is located on the top menu of the homepage. This can be used for any type of payments.

-Luke

We will be holding our regular VE Session at the clubhouse on the last Monday (26-Apr-21) at 19h00. Covid restrictions are still in place. Please bring CASH or Check, Copy of your Amateur License if your upgrading.

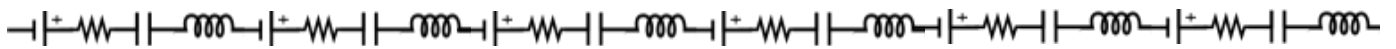
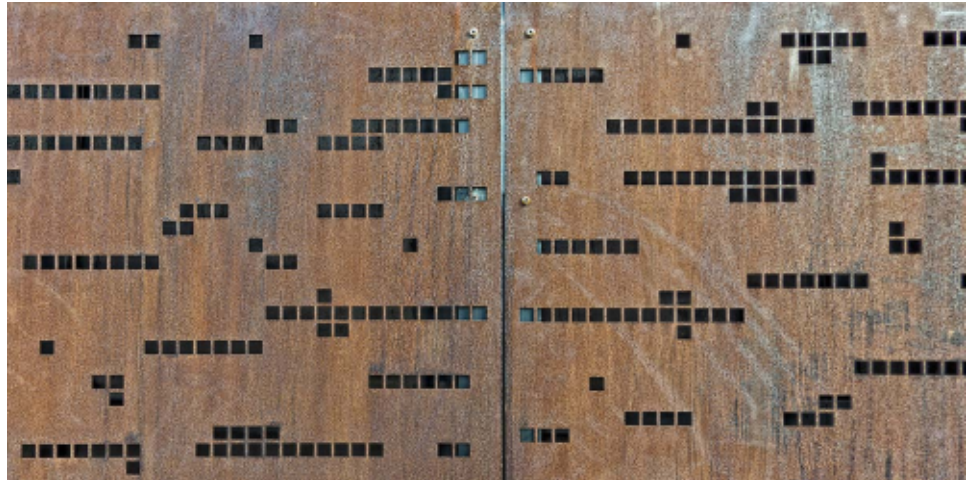
-John W2JM

Reprint/FWD:
Thanks to ----->

Can't Keyboard? Use Morse Code Instead

Click on the
image to read
the article

----->



CLUB DIRECTORY

LARC CLUBHOUSE ADDRESS

LANCASTER AMATEUR RADIO CLUB
LANCASTER TOWN CENTER
525 PAVEMENT ROAD
LANCASTER NY 14086

EXECUTIVE OFFICERS

PRESIDENT

Sal Zarbo AE2SZ

VICE PRESIDENT

Chuck Curtin W2EM

SECRETARY

Jen Griesbaum KD2OHD

TREASURER

Steve Piotrowski AG2AA

INTERNET ADDRESS

<http://w2so.org/>
Email Reflector:
larc@lists.w2so.org

DUES INFORMATION - YEARLY

\$25 regular Membership includes all family members
Dues run from Jan. to Dec.

BOARD of DIRECTORS

Chuck Lawson KC2BLH

Dennis Schultz N2DJS

Dave Sepulveda KD2PMU

John Russo KW2JR

Joseph Gearhart WV2NY

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NEWLETTER EDITOR

Marty Ernst KD4HLV

MONDAY NITE INFO NET

Sal Zarbo AE2SZ

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REPEATERS

Lancaster, NY



Batavia, NY



AllStar Link Node 459200 -- Echolink 754795 / W2SO-R

DMR 441.025 color code 1 on Brandmaister Network

NEWSLETTER OF THE LANCASTER AMATEUR RADIO CLUB 1987-2021