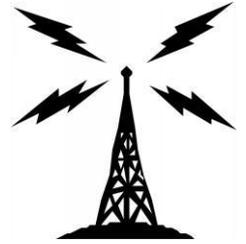




SLATS

St. Louis Amateur Television Society



May 2022 | ISSUE NO.5

SLATS Wednesday Nite Net

Time: Every Wednesday at 19:00 hours
Frequency: 146.730 WOKE Repeater

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The Skyline from the SLATS Repeater Station



Sun Spot Report

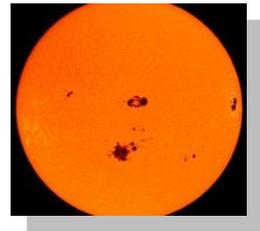
For daily sunspot watch link to:

Sunspot Watch

<https://sunspotwatch.com/>

SpaceWeather.com

<https://spaceweather.com/>



Hamvention ATV Forum Saturday

May 20, 2022

Time	Presenter	Call	Topics
10:40 – 10:45	Art Towslee	WA8RMC	Welcome statement and general comments (Forum Moderator).
10:50 – 10:55	Gordon West	WB6NOA	Warm up. ATV Forum with fun audio sounds, couple of one liners and preview of all excitement.
11:00 – 11:20	Mel Whitten	KOPFX	Introduction to Amateur Digital Television (DATV). Mel will describe how easy it is to add Digital ATV into your ham station. Hardware, software and PC integration will be described. Come and see how it works!
11:25 – 11:35	Mike Collis	WA6SVT	Mike will describe the new features of the California ATN network and DATV repeater system.
11:40 – 11:50	Art Towslee	WA8RMC	Wrap up and introduction of the new DATV standalone scanning receiver.

ATV Friday Night dinner.

The ATV Friday Night Dinner will be at China Garden Buffet restaurant starting at 6:30PM on 112 Woodman Drive in Dayton, Ohio 45431 (Airway Shopping Center) on May 20. Buffet Dinner \$15.99 (937-781-9999). We have dinner then presentations about various ATV topics and door prizes concluding about 9:30PM. All are invited.

Ham Radio Quick Links:

Southgate amateur news

<http://www.southgatearc.org>

Amateur Television Network

<https://www.atn-tv.com/>

ATN Repeater video streaming

<https://www.atn-tv.com/events/streaming>

ATN on YouTube

<https://www.youtube.com/AmateurTelevisionNetwork>

ATN on Whereby.com

<https://whereby.com/atn1>

TAPR - Tomorrow's Ham Radio

<https://tapr.org>

DIGITAL ATV

Digital Amateur Television D-ATV

https://www.dxzone.com/catalog/Operating_Modes/Digital_ATV/

YouTube Videos

Dave Casler KEØOG - YouTube Videos

<https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ>

Solar Index & Propagation Made Easy

<https://www.youtube.com/watch?v=SyXLARX1dns>

<http://www.wb0hsi.org>

ITEMS FOR SALE or GIVE AWAY:

Find items for sale is on our website here:

Click: https://slatsatn.net/?page_id=713

Example:

Free VHF/UHF Sweeping Oscillator

Give an item away for free

Name
Earle Young

Call Sign
wd0fch

Phone (optional)
+13143066646

Email
wd0fch@yahoo.com

Brief Description of item
VHF/UHFSweeping Oscillator 1.1-1360 MHz with 200-1050 MHz(P121) and 900-1360 MHz (P122FA-1) plug-in.

Details, price, condition, etc.

This item has been sitting on shelf for a couple years now and is free for pickup in St Louis. Operation and maintenance manual included.



AMATEUR RADIO LICENSE MAP

Use this map to find amateur radio license holders in the USA. [Click here](#) for more info.

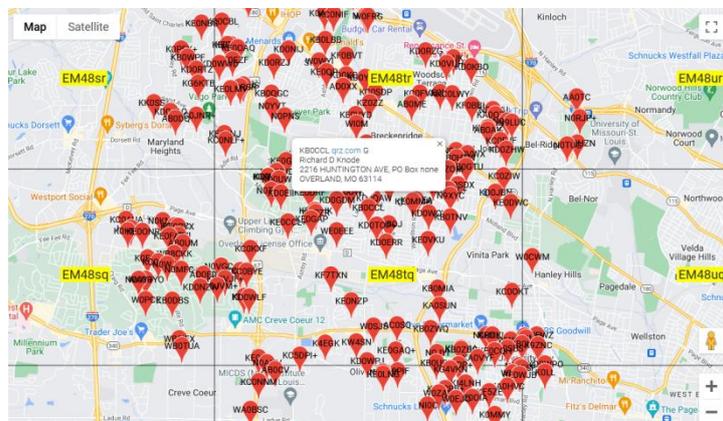
- Select the type of input (callsign, grid square, zip code or street address) on the left.
- Enter an appropriate search value on the right.
- Hit the button.
- Scroll down see the map.

The selection determines the center of the map.

When the map appears, you can adjust the zoom level and drag the map around. If you're looking at a sparsely populated area, you'll probably need to zoom out.

After two seconds of not moving, it will reload with stations for the new area. You can also click on the grid square labels to center the map on that square. Use the "Show grid labels" checkbox to temporarily remove the grid square lines and labels if they get in the way.

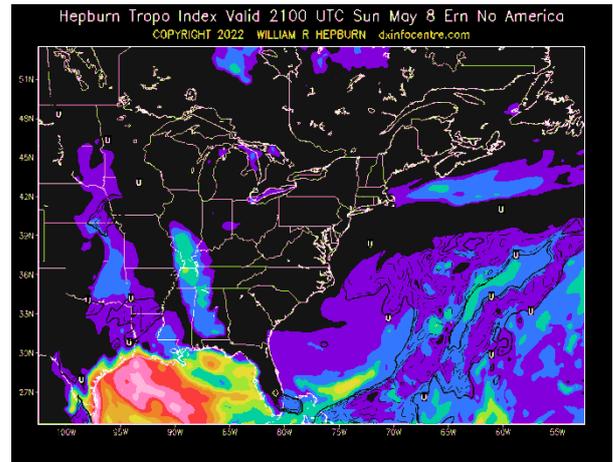
Click on a marker to see name and address info.



VHF and UHF conditions – Hepburn’s Forecast

Example:

Late evenings can be a good time to listen around the 2m band FM. Listen on simplex 146.52 and 58 also. 2M SSB could be good also. Take a look at Hepburn’s Forecast here. Click on the map to show forecasts. <https://www.dxinfocentre.com/tropo.html>



Brandmesiter Network now has a Talkgroup #3196 for ATV.

Roland Hoffman, KC6JPG announced to the Amateur Television Network (ATN) community the Brandmeister team has assigned the TalkGroup #3196 to its powerful Network. Roland is quoted as saying, “This Talkgroup will be well utilized and will be used as a vital link with our national and international television operators to communicate within one another during our live video transmissions within the amateur radio service, especially with the many emergency operation centers and agencies we serve during a time of crisis. Our ATV operators will now be in constant communications with each other while manning their cameras, especially during emergency operations, thanks to YOU, your US Coordinator, and your entire team in establishing TG 3196 for ATN.” Roland further commented to Brandmeister liason, Anthony Marcin, “On behalf of the hundreds of ATV operators within our Amateur Television Network team, THANK YOU and the entire Brandmeister team for your service and support towards establishing TG 3196 for the Amateur Television Network.

Roland Hoffman – KC6JPG
Digital Systems Director
Amateur Television Network
kc6jpg@charter.net

If anyone would like more information on the [Brandmeister Network](#) or [Talkgroups](#) please use the links here. Some of you may be very familiar with using Talkgroups and have some helpful information for the rest of us, please contact the [webmaster](#) for inclusion in this article. I’m sure more nuggets will be shared on the WØATN repeater in the coming weeks. Check into the Wednesday evening net @ 7pm 146.73 repeater to hear/see the latest.

Vince's Corner - KEØVYE

HiDes DC-05

Camera Part 3

Setting Parameters in ITE__Serial Tool

Connect to a Windows PC the usb-uart dongle to it. A small red LED light will come on. Make sure the RF output of the camera is connected to a dummy load the first time used. Open the ITE__Serial Tool and then select baud rate of 115200 and the proper. Next turn the power to the camera on. A small blue LED will flash. Make sure the proper Com port is selected. Click the Open button in the upper middle of the window. A message in the upper top caption bar will say *COMxx open successfully*. Next select the Get button to receive the current configuration, which will also cause the terminal to display the current operations and the Modulation and Video Settings to be populated. The configuration should be saved to file using the Save config to file button.

Next enter the desired Modulation Settings. For the W0ATN repeater enter as follows. TV Standard: DVB-T, Frequency: 440000 KHZ, Constellation" 16QAM, Code Rate 1/2, Guard Interval 1/4, Transmission Mode: 8K. Gain: Range: -25 ~ +5 for the software adjustable RF output gain. For the Video Settings set Frame Width and Height to 1920 by 1080, frame rate of 30 fps. See the screen shot of the ITE-Serial Tool with parameters set as I used them below. The Modulation data rate is calculated and shown (4976.5 in this case) after the other parameters are entered. The Video Bit Rate is suggested by the QIG to be at most 80% of the Modulation data rate. If the modulation data rate is too low, it may cause video glitch / latency. I have tried several values for video bit rate and had low latency (< 1 s) with 3600 kbps in a simplex test. With a 3800 Kbs video bit rate and found the latency to increase over time such that it was 7 seconds after a 10 minute test. To load settings into the camera click on set. If the camera needs to be reset a message will appear. The camera should be ready to use once connected to proper antenna.

