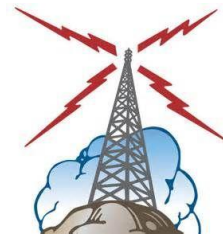




SLATS



St. Louis Amateur Television Society

December 2022 | ISSUE NO.II

SLATS Wednesday Nite Net

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

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ON THE NEWS FRONT



WES SCHUM, W9DYV
W9DYV SYMPOSIUM
SLSRC Winterfest, 2023



ARRL MIDWEST DIVISION CONVENTION
Saint Louis & Suburban Radio Club Winterfest 2023

SLSRC Winterfest – January 28, 2023 – 8am – 1pm

May your Christmas be a joyous one with your family and friends and have a very

Merry Christmas



SLATS now have reserved four tables and chairs. Let me know if you can help with setup and help man the tables

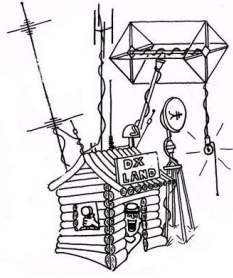
For an hour or two allowing all members to enjoy the hamfest and buy, buy, buy... A couple tables are reserved for member's for-sale items or your DATV demo.

I have requested the same floor location we have had in past years but I probably won't have it confirmed until the "last minute." Look for our SLATS club sign. Gary, NØGL will have it displaying behind our tables.

Contact me if you have any questions/requests. Don't forget to wear your SLATS badge and member shirt!

Mel, KØPFX

MEMBERS HAM SHACK



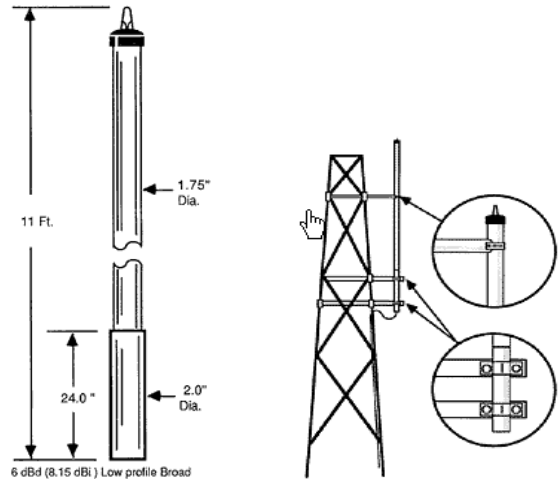
KBØCCL - RICH



REPEATER Antenna Received!



The New-Tronics, LTD Hustler "Spirit" model HS6-40630 and it's SMK-450 "Side Mount Kit" has finally been delivered after a 16+ week backorder (July 15th). The antenna will be used for the



6 dBd (8.15 dBi) Low profile Broad Bandwidth Omnidirectional Antenna for Receive and/or Transmit Systems

Side Mount with top support

SPiRiT VERTICAL

transmitter and ordered for 426.00MHz. It should have very low SWR with much higher gain/ better pattern than the current small Diamond. The delivery was made by Averitt Express with no signs of rough handling which was experienced from other freight handlers. The driver allowed me to remove the antenna from the tube and inspect it even though New-Tronics said it must be refused/returned if *any* signs of damage! The driver said that *was not their policy* and invited me to remove it for inspection. The next step is delivery to Earle's for assembly of the side mount kit. SGR company (Rick and Gary) have been contacted for installing on Earle's tower when the weather and their schedule permits. Later, I'll send out an email inviting club members of the installation date.

To better evaluate how well the new transmit antenna is working; please take an average of at least three SNR and Signal Strength readings before the new antenna is installed. Since we have found the signal can vary over time, take the readings a day or more apart. Next, take the readings again after the new antenna is installed. Any comments will be welcomed. Please send your readings to me by email.

Mel, KØPFX (30Nov22)



earthcam.com

With webcams all over the world and on every subject you can think of, EarthCam can be educational and entertaining. Many of the cams are PTZ with mouse control. One way to get started viewing cams is from this site in Florida https://www.earthcam.com/usa/florida/lauderdalebythesea/town/?cam=lbts_beach Use the controls at the bottom for “full screen,” audio on/off and the “arrows” (< >). Other options in tools for showing time, temperature etc are available.

Oh, and one more... Aurora in real time. This webcam is in Abisko, Sweden not far from the Arctic circle and frequently shows the fascinating sky colors produced by the Aurora. <https://lightoverlapland.com/aurora-webcam/>

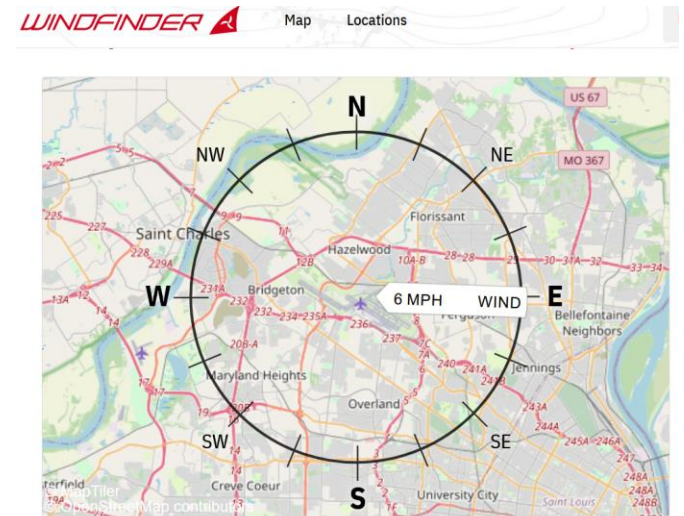
Mel, KØPFX (30Nov22)



Anglins Pier Cam
Lauderdale-By-The-Sea, FL



windfinder.com



WINDFINDER provides real time and forecasts for wind speed, direction and wind gusts for airports and cities around the world. I find it useful when determining when I should lower my tower/antennas. In addition to wind, the current temperature, air pressure and precipitation is shown. The web site shows data tables plus a “birds eye view” with a compass on a map of the local area. A lot of weather related information on the site, so click away to see more. A good place to start on the web site (it is extensive!) is here: https://www.windfinder.com/forecast/st_louis_ambert_airport

Mel, KOPFX (30Nov22)



https://www.youtube.com/@zoom_earth

<https://zoom.earth/maps/base/#view=38.9,-92.2,4z/date=2022-12-04,13:40,-6/overlays=crosshair>



See Live weather as it happens and other neat stuff

Repeater's Receiver Firmware Updated



The Hides receiver was updated from .151 to the latest .166 firmware. In one of the REV updates, the revision notes indicate a change was made in the HDMI signal level. This may resolve the occasional “loss of video” requiring toggling the power for the receiver and/or the HDMI switch. Time will tell. Procedure for updating your -110/120/122 receiver to .166 is available in the “Download” section of the SLATS web site found here

<https://slatsatn.net/downloads/> While at Earle's I took the opportunity to update his HV-120 also.

Mel, KØPFX

Introduction to Digital Amateur Television

DATV

<https://slatsatn.net/wp-content/uploads/2022/09/DCC-2022-Charlotte-Intro-to-Amateur-Digital-Television.pdf>



Mel Whitten, KØPFX

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High Definition Multimedia Interface

One would think that after 20 years, HDMI interface issues would have been resolved already. Well, they probably are, however it is the many hardware “things” that use HDMI which may fail to transfer the video and/or audio.

Recently, one of my HDMI switches failed after a year in service. Normally, when we can't transmit audio, the problem is the PC. It fails to recognize (link to..) the Hides transmitter and will not be listed in the Windows Settings Sound Output. This list is where the Hides HDMI sound device will be identified as “ITE E220HD” or similar descriptor. ITE is the name of the company that makes the modulator chip for Hides. Typically, this is the DVB-T **9510** IC and it may be part of the audio device description also.

<https://www.ite.com.tw/en/product/category?cid=2>

If you don't find the “ITE” device in the Windows output device sound settings, then no sound can be transmitted. In my case, I tried the usual cable disconnect/wait 'sec/reconnect and toggling the switch's DC power with no success. Finally, I connected the output of the Hides transmitter directly to the PC and bang, “ITE 9510” was listed and sound was working again. The HDMI switch would transfer video but not audio. So, if you have performed the usual sound troubleshooting steps (troubleshooting info may be found in this video:

https://www.youtube.com/watch?v=b9B_0R5MIuQ)

then the HDMI switch's one or more ports could be failing. Try connecting the HDMI cable directly from the transmitter to the PC eliminating the switch. Of course the HDMI cable itself could fail, not likely but it can happen.

And speaking of HDMI switches...

One of the best (if not the best) HDMI fast live streaming switches is from BlackMagic Design called the ATEM Mini. This switch eliminates any sync “delay” when switching from port to port. It's two channel audio mixer may be used with any of the 4 HDMI ports. Ethernet PC control and transition effects available also. For more specs, take a look here at B&H Photo's site:

https://www.bhphotovideo.com/c/product/1507214-REG/blackmagic_design_swatemmini_atem_mini_switcher_control.html

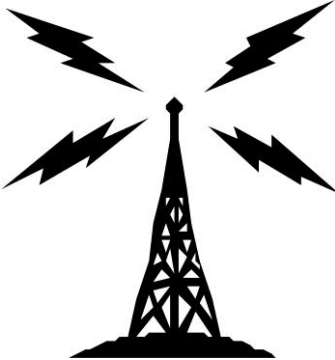
Mel, KØPFX (30Nov22)

Listing of Items for Sale, etc.

ICOM 910H

For Sale:
By
Mel Whitten
Call Sign
K0PFX
Phone (optional)
+13147391108
Email
slats@melwhitten.com
Brief Description of item
Icom 910H
Details, price, condition, etc.
Tri-band Icom 910H with all options. In good working order. Never mobile but includes mounting bracket and case handle. Excellent cosmetic shape. Service manual included. Reason for sale is purchase of the later model Icom 9700.
\$850 including US shipping

3219 Haas Ave
Bridgeton, MO
63044
US



Ham Radio Quick Links:

- Southgate amateur news**
<http://www.southgearc.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>

