



SLATS



St. Louis Amateur Television Society

JULY 2025

IN THIS ISSUE

On the News Front

From the Presidents Desk.....Pg-2
Estate Sale Items.....Pg-3-6
Items for Sale or Give-away...Pg-7
Scams / Computers Tips.....Pg-8
Ham Radio Quick LinksPg-9

SLATS newsletter is published monthly on the 15th as the official newsletter for the St Louis Amateur Television Society.

Rich, KBØCCL
Publisher
rnode12@gmail.com

Gary, NØGL
Webmaster slatsatn.net
n0gl@slatsatn.net

Weekly Nets
7pm Fall/Winter
8pm Spring/Summer
WØATN 440 in 426out 4Mhz BW
Talk-back radio: 144.34 MHz

July 2025

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
29	30	1	2 SLATS NET 7:00 p.m.	3	4	5
6	7	8	9 SLATS NET 7:00 p.m.	10	11	12
13	14	15	16 SLATS NET 7:00 p.m.	17	18	19
20	21	22	23 SLATS NET 7:00 p.m.	24	25	26
27	28	29	30 SLATS NET 7:00 p.m.	31	1	2

-ON THE NEWS FRONT-

SLATS offer to loan gear for prospective STL area ATV hams

SLATS has ATV equipment for loaning out to prospective hams expressing an interest in getting on ATV. If this is you, then click (<https://slatsatn.net/want-to-try-atv/>) .



Typical Digital ATV Station. Just add a TV, camera and antenna.

WØATN NET CONTROLLER FOR JULY



**VINCE
KEØVYE**

FROM THE PRESIDENTS DESK



Transmitting a DTMF codes to the ATV Repeater

de Mel, KØPFX

The WØATN ATV repeater uses DTMF tones to control many functions. One simple DTMF sequence (11) turns off or on the HiDes receiver's overlays. These are the overlays that you see locally on your receiver when you push the remote's "Green" button. For the repeater, this can be done by sending 3 DTMF (TouchTones) into the repeater's 2 meter control receiver on the talk-back frequency. These tones are converted at the repeater to the binary IR codes that correlate to the Green button's code. The receiver then responds with its overlay on the repeater's output 426MHz frequency.

One way to send the DTMF sequence is carefully entering them with your TouchTone mic while holding down the PTT button. The repeater will respond within a second when entered correctly. The DTMF "encoder" is pretty tolerant with the DTMF TouchTone "level received" so it should work with your radio.

So, you are probably asking, "Why do I wanna do this?" Well, like in your shack, there are times when you would like to know if you are receiving any errors (Bit Error Rate) and/or the signal strength SNR (Signal-to-Noise-Ratio). By just pushing the Green button on your remote you have the information. Normally, you don't like to keep the overlay on because it gets in the way of the picture being received so you push the button again and it goes away. The same can be done for the repeater.

When a user is transmitting into the repeater there are times when you want to check the user's input signal for strength, SNR or bit error rate and pass the info on using the talk back frequency. This can be handy for the NCS when users are checking-in to let them know how their signal is being received. And during net, the NCS wants to get this check done quickly so it does not continue to interfere with the video being watched. Entering it manually, there is a chance of not entering the right buttons on the mic correctly. A better way is to let your radio do it for you. Every modern 2 meter rig will have an option to transmit DTMF code sequences. All you have to do is "program it" with the code sequence for each function you want the repeater to perform. Let us first get started with an easy one, the #11 TouchTone sequence. Later, when you feel confident you are programming the memory correctly, then you can move to longer sequences for other functions. Additional codes require entry within a couple seconds or they will be ignored. This can be frustrating and add a chance of "messing up a function" is possible if entry mistakes are made.

So, if you are still reading... go to your radio's manual and look up the section on "DTMF Memory ENCODER." There it will show you where to store the DTMF code and on what frequency (use our talk back frequency). Just begin with entering one memory with #11. Once you have one memory set and turned on, then look for the instruction on how to Transmit the DTMF code. Once it is set to transmit, then the sequence of TouchTones #11 will be sent with a push of the PTT button. The sequence will continue to be sent with each PTT push until it is deactivated. Usually a "clear" or similar button will do this. The default speed of the TouchTones being sent should work fine. If not, try a longer interval.

Give it a try and let me know if you were successful in controlling the repeater's HiDes receiver. Later, I will give some instructions on using the other longer codes.

YouTube video on DTMF: https://www.youtube.com/watch?v=LiPG_USp0yQ

ESTATE SALES

A service to our families of Amateur Radio Operators in their time of need.

If you are interested in purchasing any of the items on this list please contact us (use the form below) to make arrangements for payment (Cash Only) and pick up times. Also, if you have any questions, you may use the form and we will get back to you as soon as we can.

We will also let you know if the item is still available, although, our hope is keep the list updated and remove or label sold items. Of course, everything is on a "first come – first served" basis. Thank you for your cooperation. This is not an easy task. The handlers are not compensated and are merely trying to help the families of the silent key.

Nr.	ITEM	MFR	CONDITION	PHOTO	Est. Value
1	PK232MBX Multimode Packet Radio Controller SOLD	AEA	not tested	photo photo	\$75
2	ST3 Teletype Demodulator (W6FFC Irv Hoff design)	Mainline/Home Brew	not tested	photo	\$30
3	Model 28 KSR Teletype Machine PENDING	Teletype Corp	used/good	photo photo	Make Offer
4	AFSK Oscillator w/ Power supply	Homebrew	not tested	photo	\$10
5	Model FSC-250 Frequency Shift Converter	Electrocom	not tested	photo	\$35
6	Telegraph Sounder	Western Electric	not tested	photo photo photo	\$60
7	CR1 Crystal Receiver w/ headphones SOLD	Heathkit	not tested	photo	\$15
8	IB-1102 Frequency Counter (120 MHz NIXIE Tube (readout)	Heathkit	not tested	photo photo	\$80
9	Antenna, Dummy Load (New, never used) SOLD	Heathkit	new	photo photo	\$20
10	HT-40 Transmitter (Sell only w/HAS VFO)	Hallicrafter	not tested	photo photo	\$80
11	HA-5 VFO (Sell only w/HT-40 Transmitter)	Hallicrafter	not tested	photo	\$50
12	HQ110A Receiver w/ Matching 5100 Speaker SOLD	Hammarlund	used/good	photo photo	\$150
13	MTPN1136A Base Station Power Supply (14.2 vDC, 2 Amp)	Motorola	not tested	photo	\$25
14	I95B Field Strength Meter	Bendix	not tested	photo photo photo	Make Offer
15	Model 441GG 420-450 MHz Amplifier w/Preamp	T.E. Systems	not tested	photo	\$350
16	R4C Receiver (S/N 24836) w/MS-4 Speaker	R.L. Drake Company	good	photo video	\$350
17	T4XC Transmitter (S/N 26137) w/AC4 Power Supply	R.L. Drake Company	good	photo	\$475
18	D104 Microphone	Astatic	good	photo	\$70

19	BC-939-B Antenna Tuning Unit PENDING	Halicrafter/US Signal Corp	unknown	photo	Make Offer
20	23-126 SWR Meter	Midland	not tested	photo	\$15
21	BC-652-A Radio Receiver (2-6 Mhz)	General Electric	unknown	photo	Make Offer
22	Master II Transmitter 29.6 MHz FM	General Electric	unknown	photo photo	Make Offer
23	N5663A SWR/Power Meter SOLD	Beiwa	good	photo photo	\$40
24	RT70/GRC w/AM-65/GRC Receiver/Transmitter Radio Amp	Govt. Surplus	unknown	photo photo	Make Offer
25	TS711A 144-148 MHz Multimode Transceiver (2-25 Watts) SOLD	Kenwood	good	photo	\$350
26	TS811A 430-459 MHz Multimode Transceiver (2-25 Watts) SOLD	Kenwood	good	photo	\$350
27	TS430S HF Transceiver	Kenwood	good	photo	\$325
28	35M 12 Volt 35 Amp. Power Supply (sell only w/TS430S)	Astron	good	photo	\$125
29	J38 Morse Code Hand Key	unknown	good	photo	\$15
30	IC2AT 2 meter FM Hand Held w/battery	Icom	not tested	photo	\$50
31	6 ft X 19 inch Rack Mount (on wheels with back door)	unknown	used/good	photo	\$80
32	HAM II Rotator w/Control Box	CDE	not tested	photo photo photo	\$150
33	Tail Twister Rotator w/Control Box	CDE	not tested	photo photo photo	\$300
34	HR2A 2 meter Xtal Controlled transceiver	Regency	not tested	photo photo	\$35
35	HR212 2 meter Xtal Controlled Transceiver	Regency	not tested	photo	\$45
36	4 Band Scanner Model 16S400 (crystal controlled VHF/UHF)	RCA	not tested	photo	\$45/2 ea
37	Realistic PRO 2006 400 Channel Programmable Scanner	Radio Shack	dim display	photo	\$25
38	13-857B CB Radio	Midland	not tested	photo photo	\$25
39	CB Radio Model KCB 4010	Kraco	not tested	photo photo	\$25
40	ESR1524 Satellite TV Receiver	Drake	not tested	photo	\$75
41	269 SWR Antenna Analyzer SOLD	MFJ	not tested	photo	\$125
42	0-6 Kilowatt Meter	Weston	unknown	photo	\$10

Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

PAGE 5

43	AC Ammeter 5 Amp	Weston	unknown	photo	\$10
44	AC Voltmeter 15 – 30	Weston	unknown	photo	\$10
45	DC Voltmeter 10 – 500	Weston	unknown	photo	\$10
45B	DC Voltmeter 0 – 1	Weston	unknown	photo	\$10
46	Microammeter, DC (0-200)	Weston	unknown	photo	\$10
47	Meter, 10 Amp Amperes Plate Meter (BIG)	unknown	unknown	photo	\$15
48	Meter, Amperes, DC 0-200 (BIG)	unknown	unknown	photo	\$15
49	SP432VDG Preamp 432MHz specs	Advanced Receiver Research	unknown	photo	\$75
50	MASTR II Transmitter 29.6 MHz FM (duplicate)	General Electric			
51	TH6DXK 20-15-10 Yagi Antenna (Disassembled) SOLD	Hy-Gain	unknown	photo	\$100
52	432-MHz Stacked 5-Element antennas SOLD	Cushcraft	good	photo photo	\$80
53	2 Meter Ringo Ranger Antenna	Cushcraft	good	photo	\$45
54	2 Meter 7 Element Antenna SOLD	Cushcraft	good	photo	\$30
55	2 Meter 7 Element Antenna SOLD	Cushcraft	good	photo	\$30
56	2 Meter 11 Element Antenna SOLD	Cushcraft	good	photo	\$35
57	Video Tripod	Ambico	new/in box	photo	\$40
58	HF Amplifier PENDING	Homebrew	unknown	photo photo photo photo	Make Offer
59	RG-8-50 ohm coax cable (new on a reel) approx 100 feet SOLD	Belden	new/on reel	photo	\$80
60	ART-13 Transmitter w/ Antenna Tuner (Condition unknown)	Military Surplus	unknown	photo photo photo photo photo	Make Offer
61	NMO-MM 5/8 wave 2 meter Magnet Mount Antenna	Larsen	good	photo photo	\$20
62	Speaker (looks like vintage Collins?)	unknown	good	photo	\$50
63	ARRL Handbooks Various years 1953 – 1970	ARRL	used	photo	\$5/ea

Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

64	#EC5-BV Remote Antenna Switch (new in box) SOLD	#emeritron/MFJ	new/in box	photo photo photo photo	\$50
65	Model 375 6 Position Coax Switch	B&W	used/unknown	photo photo	\$30
66	Antenna Tuner (Capacitor & tapped coil)	Homebrew	unknown	photo photo photo	\$20
67	51M-8 VHF Receiver PENDING	Collins	unknown	photo photo photo	Make Offer
68	242F-5 RF Unit PENDING	Collins	unknown	photo photo	Make Offer
69	242F-5CLF Power Supply PENDING	Collins	unknown	photo photo	Make Offer
70	MEJ 901B Versa Tuner	MEJ	new	photo photo photo	\$65
71	ME-425 Hand Held Microphone SOLD	Hamwood	used	photo	\$35
72	ME-425 Hand Held Microphone SOLD	Hamwood	used	photo	\$35
73	Type PA-5 Portable Alternating Current Voltmeter	Westinghouse	unknown	photo photo	\$50
74	CW Keyer PENDING	Homebrew	unknown	photo photo photo photo	\$5
75	MS-4 Speaker	R.L. Drake	Good	photo	\$80
76	23-136 SWR Meter	Midland	not tested	photo photo photo	\$25
77	Push-up-mist- (SWEET) SOLD	unknown	Good	photo	\$30
78	121-1 Variable air Capacitor 46-575 pF 7.5KV	LaPoint	Good	photo photo photo	Make Offer
79	4BTV Antenna with low power 75/80' meter resonator	Hustler	Good	photo photo photo	\$100
80	VHF Mobile Antennas (NO MOUNTS)	Hustler	Good	photo photo	3 @ \$20 ea
81	Vibrokeyer Deluxe Bug Paddle	Vibroplex	Good	photo photo	\$125
82	#FL-A Dual Lever Paddle SOLD	Brown Brothers	Good	photo photo	\$60
83	Model HH-1 Dual Lever Key SOLD	Ham Radio Center	Good	photo photo	\$60
84	JTSP7 8 ohm External Speaker	Jetstream	New in Box	photo	\$10
85	6' 19 inch Rack on wheels/w back door, outlets	unknown	Good	photo photo	\$75



Use QR code to go directly to website to see photos and other information. Refresh once you get there to update page.

ITEMS FOR SALE OR GIVE-AWAY

ALINCO DR06 6 METER FM MOBILE TRANSCEIVER

I want to:
 Sell an item
 Name
 Mel Whitten
 Call Sign
 K0PFX
 Phone (optional)
 +13147391108
 Email
mel@melwhitten.com
 Brief Description of item
 Alinco DR06 meter FM
 Details, price, condition, etc.
 Transceiver, Mobile, FM, 6 Meter, 50 W, 100 Memory Channels, 13.8 Vdc, LCD Display, Mobile bracket
 Includes Alinco EMS-57 DRMF mic, Data Cable (connects to rear Din conn), power cable/fuses
 Original box, Manual. Current Model.

Excellent condition.

SALE \$125 **\$100** plus UPS shipping or pick up at K0PFX QTH
 3219 Haas Avenue
 Bridgeton, MO
 63044
 US

SALE FLEX 6700 SDR RADIO SALE

I want to:
 Sell an item
 Name
 Mel Whitten
 Call Sign
 K0PFX
 Phone (optional)
 +13147391108
 Email
mel@melwhitten.com
 Brief Description of item
 Flex 6700 SDR Radio
 Details, price, condition, etc.
 Flex 6700 100w, 8 receiver slices, Auto tuner, compatible with Down East Microwave converters VHF/UHF
 Includes rack mount option (never used) and FHM-1-8P Flex mic (never used)
 All docs on line at Flex Radio website
 Runs latest Flex SmartSDR software
Excellent condition OVER 50% OFF ORIGINAL COST!
SALE! SALE! \$4900 **\$3500** Price Now Reduced to **\$3000** (with accessories). Pick up at my QTH (Prefer not to ship UPS unless buyer pays for insurance)
 3219 Haas Avenue
 Bridgeton, MO
 63044
 US



COMET CF-706 DUPLEXER

I want to:
 Sell an item
 Name
 Mel Whitten
 Call Sign
 K0PFX
 Phone (optional)
 +13147391108
 Email
mel@melwhitten.com
 Brief Description of item
 Comet CF-706 Duplexer
 Details, price, condition, etc.
 "Twin Cabin System Duplexer" 1.3-57 MHz and 75-550MHz (widely sold, Google for more specs)
 UHF SO-239 Common to dual-bandner Antenna. (2) UHF PL-259 to radio HF and VHF/IUHF (perfect for Icom 706)
 Like new (never used)

SALE \$56 **\$40** + USPS or UPS Shipping or pickup at K0PFX QTH

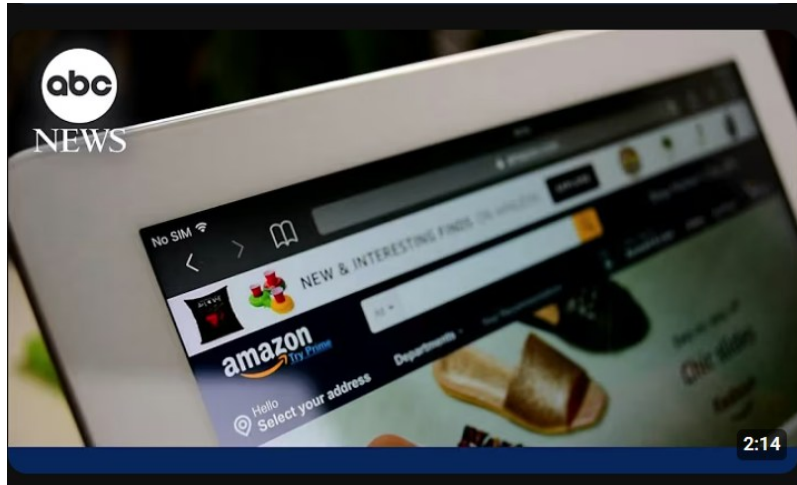


FREE

Armand, KDØPXF, has a free **42" monitor** for anyone to pickup. It is a Gaming or Computer Monitor, not a TV monitor. It has SVGA, composite, and component inputs up to 720P and 1080i and works fine! Any questions or to arrange a pick-up please contact
 Armand armandh@sbcglobal.net

PAGE 8 SCAMS / COMPUTER TIPS OF THE MONTH

Due to the times we are living in, we need to be more careful for our safety as well as for our family members. In an attempt to expose some of these scams and crimes that we are seeing and are going on all around us, I am trying to show how some of these scams and crimes are being done. Below are some of the things that might help everyone who is now living in this time and age.



Amazon issues scam warning ahead of July 4th sales

[Amazon issues scam warning ahead of July 4th sales](#)



Top scams that will be targeting you in 2025

[Top scams that will be targeting you in 2025](#)

LINKS:

SOLAR UPDATE



[The K7RA Solar Update \(arri.org\)](http://arri.org)

SLATS REPEATER DVB-T WØATN

Technical Summary

Coordinates: 38.72126N -90.46454W, Grid Square:

EM48sr What3Words

Elevation: 671 ft AMSL, 90 foot Rohn tower

Transmitter: HiDes HV-200Pro 426.000 MHz Vertical polarization, DVB-T 16QAM @ 4MHz Bandwidth, Video PID 641, Audio PID 642, DCI ATV BP RX/TX Filters

Output Power: 426.000 MHz: (DVB-T) 25w Average

Receiver: HV-110, 440.000 MHz, 4 MHz bandwidth, 16 QAM DVB-T

Antennas: (2) New-Tronics Hustler Spirits, 9db 426TX and 440RX

Talk-Back radio: 2 Mtr FM Diamond Antenna at 45 ft

Coordination: Missouri Repeater Council (MRC) 2016

Sponsor: SLATS – St. Louis Amateur Television Society (SLATS).

Popular off the shelf equipment for High Definition receiving and transmitting is available at the [HiDes Company](http://HiDesCompany) and on eBay



Ham Radio Quick Links:

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/](https://www.dxzone.com/catalog/Operating%20Modes/Digital%20ATV/)

YouTube Videos

Dave Casler KEØOG - YouTube

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

Solar Index & Propagation Made Easy

The SmokinApe

<https://www.youtube.com/user/TheSmokinApe>