



# SLATS



St. Louis Amateur Television Society

AUGUST 2025

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

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

## August 2025

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

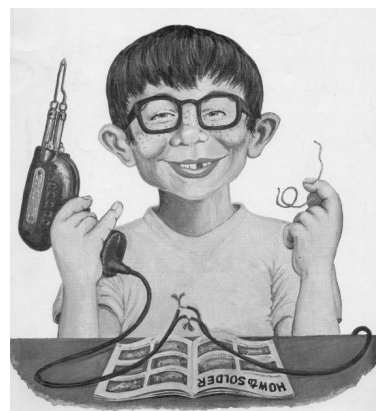
## -ON THE NEWS FRONT-

**WINTERFEST 2026**  
SAVE The DATE  
ST. LOUIS SUBURBAN RADIO CLUB  
**HAMFEST**  
ALL DAY FORUMS 200+ VENDOR TABLE  
[winterfest.slsrcl.org](http://winterfest.slsrcl.org)

**24**  
JANUARY  
DOORS 8AM  
  
RAFFLE PRIZES  
GRAND PRIZE \$500  
1ST \$300  
2ND \$200  
3RD \$100

[Mid-Central Premiere Hamfest for 2025](http://winterfest.slsrcl.org)

## WØATN NET CONTROLLER FOR AUGUST



GARY  
NØGL

## **FROM THE PRESIDENTS DESK**



Philo T. Farnsworth

## **Television's 100<sup>th</sup> Anniversary?**

de KØPFX

Yes, it has been about that long since Television was “invented.” There were earlier demonstrations but technically the first one was October 2, 1925. It was on this date that John Logie Baird (UK) saw the “recognizable features of the head of a ventriloquist dummy, Stooky Bill,’ at 22 Fifth St. in London’s Soho district.” But this was only a private demo of mechanical television system.

Two years earlier on June 14, 1923 in Washington DC, Charles Jenkins demonstrated live motion wireless images but they were only silhouettes. And before this, a name you may recognize, Reginald Fessenden (recall he claimed to make the first radio broadcast of speech and music in 1906) filed a patent describing “early workings” of TV in 1922. Fessenden may have actually been the first to invent TV because of his documented work on light valve’s construction, however he liked to “blow his own horn” so there has been some doubt about his claims.

Logie Baird’s first public demonstration of television was later given in 1926. A year later Philo T. Farnsworth here in the US introduced the electronic version of television by transmitting a straight white line. I would give the most credit to Farnsworth since he demonstrated more like what I would recognize as *real* TV.

Digital terrestrial TV in the US came many years later (June 2009) while DVB-T became popular in the early 2000s in the UK. I have written about ATSC 3.0 or “Next Gen TV” in earlier newsletters. It continues to gain popularity but it will probably be in the 2030s before ATSC1.0 is fully replaced.

## ESTATE SALES

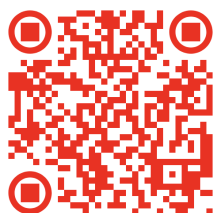
### A service to our families of Amateur Radio Operators in their time of need.

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 <b>SOLD</b>	AEA	not tested	<a href="#">photo</a> <a href="#">photo</a>	\$70
2	ST3 Teletype Demodulator (W6FFC Irv Hoff design)	Mainline/Home Brew	not tested	<a href="#">photo</a>	\$30
3	Model 28 KSR Teletype Machine <b>PENDING</b>	Teletype Corp	used/good	<a href="#">photo</a> <a href="#">photo</a>	Make Offer
4	AFSK Oscillator w/ Power supply	Homebrew	not tested	<a href="#">photo</a>	\$10
5	Model FSC-250 Frequency Shift Converter	Electrocom	not tested	<a href="#">photo</a>	\$35 <del>\$25</del>
6	Telegraph Sounder	Western Electric	not tested	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	\$60 <del>\$45</del>
7	CR1 Crystal Receiver w/ headphones <b>SOLD</b>	Heathkit	not tested	<a href="#">photo</a>	\$15
8	IB-1102 Frequency Counter (120 MHz NIXIE Tube (readout)	Heathkit	not tested	<a href="#">photo</a> <a href="#">photo</a>	\$80 <del>\$60</del>
9	Antenna, Dummy Load (New, never used) <b>SOLD</b>	Heathkit	new	<a href="#">photo</a> <a href="#">photo</a>	\$20
10	HT-40 Transmitter (Sell only w/HA5 VFO)	Halicrafter	not tested	<a href="#">photo</a> <a href="#">photo</a>	\$80 <del>\$50</del>
11	HA-5 VFO (Sell only w/HT-40 Transmitter)	Halicrafter	not tested	<a href="#">photo</a>	\$50 <del>\$25</del>
12	HQ110A Receiver w/ Matching 5100 Speaker <b>SOLD</b>	Hammarlund	used/good	<a href="#">photo</a> <a href="#">photo</a>	\$150
13	MTPN1136A Base Station Power Supply (14.2 vDC, 2 Amp)	Motorola	not tested	<a href="#">photo</a>	\$25 <del>\$10</del>
14	I95B Field Strength Meter <b>SOLD</b>	Bendix	not tested	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	Make Offer
15	Model 441GG 420-450 MHz Amplifier w/Preamp	T.E. Systems	not tested	<a href="#">photo</a>	\$350 <del>\$300</del>
16	R4C Receiver (S/N 24836) w/MS-4 Speaker	R.L. Drake Company	good	<a href="#">photo</a> <a href="#">video</a>	\$350 <del>\$300</del>
17	T4XC Transmitter (S/N 26137) w/AC4 Power Supply	R.L. Drake Company	good	<a href="#">photo</a>	\$475 <del>\$400</del>
18	D104 Microphone <b>SOLD</b>	Astatic	good	<a href="#">photo</a>	\$70 <del>\$40</del>

19	BC-939-B Antenna Tuning Unit <b>SOLD</b>	Helicopter/US Signal Corp	unknown	<a href="#">photo</a>	Make Offer
20	23-126 SWR Meter <b>SOLD</b>	Midland	not tested	<a href="#">photo</a>	<del>\$15</del> \$5
21	BC-652-A Radio Receiver (2-6 Mhz) <b>SOLD</b>	General Electric	unknown	<a href="#">photo</a>	Make Offer
22	Master II Transmitter 29.6 MHz FM	General Electric	unknown	<a href="#">photo</a> <a href="#">photo</a>	Make Offer
23	N5663A SWR/Power Meter <b>SOLD</b>	Daiwa	good	<a href="#">photo</a> <a href="#">photo</a>	\$40
24	RT70/GRC w/AM-65/GRC Receiver/Transmitter Radio Amp <b>SOLD</b>	Govt. Surplus	unknown	<a href="#">photo</a> <a href="#">photo</a>	Make Offer
25	T5711A 144-148 MHz Multimode Transceiver (2-25 Watts) <b>SOLD</b>	Kenwood	good	<a href="#">photo</a>	<del>\$350</del>
26	T5811A 430-459 MHz Multimode Transceiver (2-25 Watts) <b>SOLD</b>	Kenwood	good	<a href="#">photo</a>	<del>\$350</del>
27	TS430S HF Transceiver *	Kenwood	good	<a href="#">photo</a>	<del>\$325</del> \$300
28	* 35M 12 Volt 35 Amp. Power Supply (sell only w/TS430S)	Astron	good	<a href="#">photo</a>	<del>\$125</del> \$100
29	J38 Morse Code Hand Key <b>SOLD</b>	unknown	good	<a href="#">photo</a>	<del>\$15</del> <del>\$10</del>
30	IC2AT 2 meter FM Hand Held w/ 2 batteries, spkr/mic and earphone	Icom	not tested	<a href="#">photo</a>	<del>\$50</del> \$35
31	6 ft X 19 inch Rack Mount (on wheels with back door) multiple outlets inside <b>PENDING</b>	unknown	used/good	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	<del>\$80</del> <del>\$60</del>
32	HAM III CD-44 Rotator w/Control Box	CDE	not tested	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	<del>\$150</del> \$125
33	Tail Twister Control Box with Ham II Rotator	CDE	not tested	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	<del>\$300</del> \$250
34	HR2A 2 meter Xtal Controlled transceiver	Regency	not tested	<a href="#">photo</a> <a href="#">photo</a>	<del>\$35</del> \$20
35	HR212 2 meter Xtal Controlled Transceiver	Regency	not tested	<a href="#">photo</a>	<del>\$45</del> \$25
36	4 Band Scanner Model 16S400 (crystal controlled VHF/UHF)	RCA	not tested	<a href="#">photo</a>	\$30/2 ea
37	Realistic PRO-2006 400 Channel Programmable Scanner <b>SOLD</b>	Radio Shack	dim display	<a href="#">photo</a>	<del>\$25</del> <del>\$20</del>
38	13-857B CB Radio	Midland	not tested	<a href="#">photo</a> <a href="#">photo</a>	<del>\$25</del> \$20



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

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39	CB Radio Model KCB 4010	Kraco	not tested	<a href="#">photo</a> <a href="#">photo</a>	\$25 \$20
40	ESR1524 Satellite TV Receiver	Drake	not tested	<a href="#">photo</a>	\$75 \$50
41	269-SWR Antenna Analyzer <b>SOLD</b>	MFJ	not tested	<a href="#">photo</a>	\$125
42	0-6 Kilowatt Meter <b>SOLD</b>	Weston	unknown	<a href="#">photo</a>	\$10 \$5
43	AC Ammeter 5 Amp	Weston	unknown	<a href="#">photo</a>	\$10 \$5
44	AC Voltmeter 15 - 30	Weston	unknown	<a href="#">photo</a>	\$10 \$5
45	DC Voltmeter 10 - 500	Weston	unknown	<a href="#">photo</a>	\$10 \$5
45 B	DC Voltmeter 0 - 1	Weston	unknown	<a href="#">photo</a>	\$10 \$5
46	Microammeter, DC (0-200)	Weston	unknown	<a href="#">photo</a>	\$10 \$5
47	Meter, 10 Amp Amperes Plate Meter (BIG)	unknown	unknown	<a href="#">photo</a>	\$15 \$10
48	Meter, Amperes, DC 0-200 (BIG)	unknown	unknown	<a href="#">photo</a>	\$15 \$10
49	SP432VDG Preamp 432MHz <a href="#">specs</a>	Advanced Receiver Research	unknown	<a href="#">photo</a>	\$75 \$50
50	MASTR II Transmitter 29.6 MHz-FM (duplicate)	General Electric			
51	TH6DXK-20-15-10 Yagi Antenna (Disassembled) <b>SOLD</b>	Hy-Gain	unknown	<a href="#">photo</a>	\$100
52	432-MHz Stacked 5-Element antennas <b>SOLD</b>	Cushcraft	good	<a href="#">photo</a> <a href="#">photo</a>	\$80
53	2 Meter Ringo Ranger Antenna	Cushcraft	good	<a href="#">photo</a>	\$45 \$30
54	2-Meter 7-Element Antenna <b>SOLD</b>	Cushcraft	good	<a href="#">photo</a>	\$30
55	2-Meter 7-Element Antenna <b>SOLD</b>	Cushcraft	good	<a href="#">photo</a>	\$30
56	2-Meter 11-Element Antenna <b>SOLD</b>	Cushcraft	good	<a href="#">photo</a>	\$35
57	Video Tripod	Ambico	new/in box	<a href="#">photo</a>	\$40 \$25
58	HF Amplifier <b>SOLD</b>	Homebrew	unknown	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	Make Offer
59	RG-8 50-ohm coax cable (new on a reel) approx 100 feet <b>SOLD</b>	Belden	new/on reel	<a href="#">photo</a>	\$80
60	ART-13 Transmitter w/ Antenna Tuner (Condition unknown)	Military Surplus	unknown	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	Make Offer



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

61	NMO-MM 5/8 wave 2 meter Magnet Mount Antenna	Larsen	good	<a href="#">photo</a> <a href="#">photo</a>	<del>\$20</del> \$10
62	Speaker (looks like vintage Collins?) <b>SOLD</b>	unknown	good	<a href="#">photo</a>	\$50-\$25
63	ARRL Handbooks Various years 1953 - 1978	ARRL	used	<a href="#">photo</a>	\$2/ea
64	RC5-8V Remote Antenna Switch (new in box) <b>SOLD</b>	Ameritron/MFJ	new/in box	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	\$90
65	Model 375 6 Position Coax Switch <b>SOLD</b>	B&W	used/unknown	<a href="#">photo</a> <a href="#">photo</a>	<del>\$30</del> \$20
66	Antenna Tuner (Capacitor & tapped coil)	Homebrew	unknown	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	<del>\$20</del> \$10
67	51M-8 VHF Receiver <b>SOLD</b>	Collins	unknown	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	Make Offer
68	242F-5 RF Unit <b>SOLD</b>	Collins	unknown	<a href="#">photo</a> <a href="#">photo</a>	Make Offer
69	242F-5CLF Power Supply <b>SOLD</b>	Collins	unknown	<a href="#">photo</a> <a href="#">photo</a>	Make Offer
70	MFJ 901B Versa Tuner <b>SOLD</b>	MFJ	new	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	\$65
71	MC-425 Hand Held Microphone <b>SOLD</b>	Kenwood	used	<a href="#">photo</a>	\$35
72	MC-435 Hand Held Microphone <b>SOLD</b>	Kenwood	used	<a href="#">photo</a>	\$35
73	Type PA-5 Portable Alternating Current Voltmeter	Westinghouse	unknown	<a href="#">photo</a> <a href="#">photo</a>	<del>\$50</del> \$30
74	CW Keyer <b>SOLD</b>	Homebrew	unknown	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	\$5
75	MS-4 Speaker	R.L. Drake	Good	<a href="#">photo</a>	<del>\$80</del> \$70
76	23-136 SWR Meter <b>SOLD</b>	Midland	not tested	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	<del>\$25</del> \$5
77	Pushup mast ( <b>STEEL</b> ) <b>SOLD</b>	unknown	Good	<a href="#">photo</a>	\$30
78	121-1 Variable air Capacitor 46-575 pf 7.5KV	LaPoint	Good	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	Make Offer



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

## PAGE 7

79	4BTV Antenna with low power 75/80/ meter resonator	Hustler	Good	<a href="#">photo</a> <a href="#">photo</a> <a href="#">photo</a>	<del>\$100</del> \$75
80	VHF Mobile Antennas (NO MOUNTS)	Hustler	Good	<a href="#">photo</a> <a href="#">photo</a>	3 @\$10 ea
81	Vibrokeyer Deluxe Bug Paddie <b>SOLD</b>	Vibroplex	Good	<a href="#">photo</a> <a href="#">photo</a>	<del>\$125</del> <del>\$100</del>
82	BTL-A Dual Lever Paddie <b>SOLD</b>	Brown Brothers	Good	<a href="#">photo</a> <a href="#">photo</a>	\$60
83	Model HK-1 Dual Lever Key <b>SOLD</b>	Ham Radio Center	Good	<a href="#">photo</a> <a href="#">photo</a>	\$50
84	JTSP7 8 ohm External Speaker <b>SOLD</b>	Jetstream	New in Box	<a href="#">photo</a>	<del>\$10</del> -\$7



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

## ICOM IC-451 A/E ALL MODE TRANSCEIVER

I want to:

Sell an item

Name

Richard Knode

Call Sign

KB0CCL

Email

[rknode@charter.net](mailto:rknode@charter.net)

Brief Description of item

Icom IC-451 A/E 430 MHz All Mode Transceiver with mic and power cord

Details, price, condition, etc.

Needs Work. Used 430 MHz All mode transceiver. Provides FM, USB, LSB, CW coverage in the 430 - 440 MHz frequency range.

Multi-purpose scanning. Memory Scan allows you to monitor three different memory channels. Program Scan provides scanning between two programmed frequencies. Can be used for Mobile, DX, local calls and satellite work, \$50.00. Local pick-up or shipping extra.



## HiDes DVB-T UT-120 Dual Diversity Receiver

I want to:

Sell an item

Name

Mel Whitten

Call Sign

K0PFX

Phone (optional)

+13147391108

Email

[mel@melwhitten.com](mailto:mel@melwhitten.com)

Brief Description of item

HiDes DVB-T UT-120 Dual Diversity Receiver

Details, price, condition, etc.

A dual diversity 50-950 MHz USB based demodulator for DVB-T 5 thru 8MHz bandwidth.

Great for mobile work with its enhanced Doppler feature. PIP with its two independent receivers. Docs/software available free from HiDes's drop box found here:

[http://www.hides.com.tw/downloads\\_eng.html](http://www.hides.com.tw/downloads_eng.html) Current model being sold on HiDes's

ebay store found here: <https://www.ebay.com/str/hides168>

**SALE \$50 \$25 + shipping USPS**

[UT-120 Install Manual](#) and [UT-120 Specs/Features](#)

3219 Haas Avenue

Bridgeton, MO

63044

US



## "TALKING" VHF/UHF TW-2 WATTMETER

I want to:

Sell an item

Name

Mel Whitten

Call Sign

K0PFX

Phone

+13147391108

Email

[mel@melwhitten.com](mailto:mel@melwhitten.com)

Brief Description of item

LDG "Talking" VHF/UHF TW-2 Wattmeter

Details, price, condition, etc.

A ~.1 to 250 watt Talking watt meter (in 3 languages) for VHF and UHF (2m/70cm).

Measurements are made for Forward and Reverse Power with auto-ranging. Very simple to operate with the three buttons and volume control on the front panel. Automatically powers up on the press of either button and then powers down and turns itself off. Use your station 12v supply for TW-2 which only needs 200 ma. Has both a terse and a verbose mode. Can speak in full sentences. SNR is also measured. See the 5 page manual for more specs and operation. Used, good condition.

**SALE \$35 \$20** Pick up at my QTH or \$10 additional for shipping [MANUAL](#)

3219 Haas Avenue

Bridgeton, MO

63044

US



## VARIOUS HAM ANTENNAS

I want to:

Sell an item

Name

Mel Whitten

Call Sign

K0PFX

Phone (optional)

+13147391108

Email

[mel@melwhitten.com](mailto:mel@melwhitten.com)

Brief Description of item

Ham Antennas

Details, price, condition, etc.

Spring Antenna Sale!

Various Vertical and Yagi Antennas from HF to Microwave.

Description and price in [WORD file](#).

Pick up at my QTH only.

3219 Haas Avenue

Bridgeton, MO

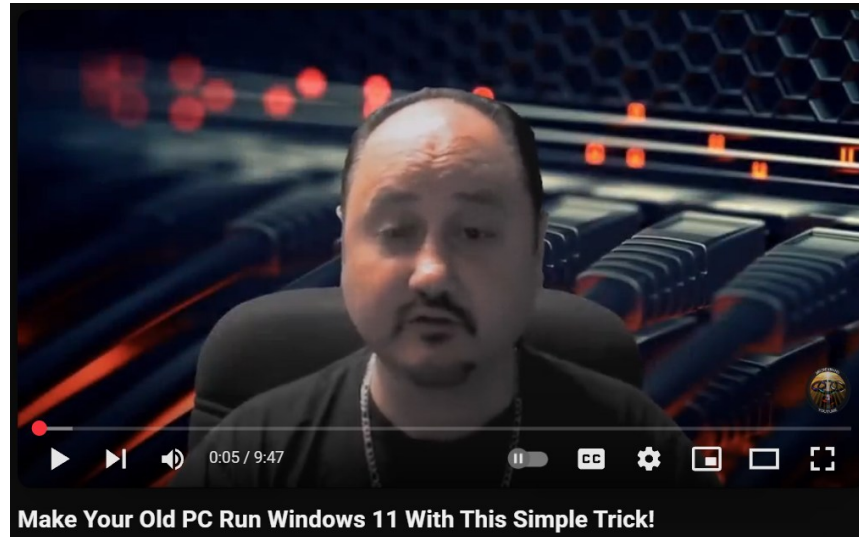
63044

US



## **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.



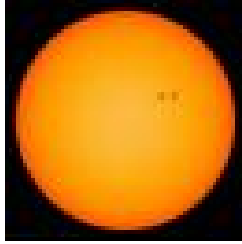
[Make Your Old PC Run Windows 11 With This Simple](#)



[Bing Videos](#)

**LINKS:**

**SOLAR UPDATE**



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

## SLATS REPEATER DVB-T WØATN

### Technical Summary

**Coordinates:** 38.72126N -90.46454W, Grid Square:

EM48sr [What3Words](http://www.what3words.com)

**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://www.hidescompany.com) and on [eBay](http://www.ebay.com)



## 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](https://www.youtube.com/channel/UCaBtYooQdmNzq63eID8RaLQ)

### 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>