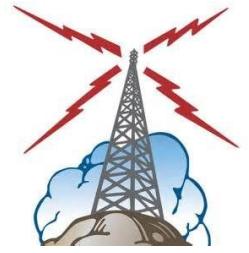




SLATS

St. Louis Amateur Television Society



IN THIS ISSUE

JUNE 2026

On the News Front

What's happening.....Pg-2
Articles of interest.....Pg-3-4
Items for Sale or Give-away.....Pg-5
Ham Radio Quick LinksPg-6

SLATS newsletter is published monthly on the 1st as the official newsletter for the St Louis Amateur Television Society.

Rich, KBØCCL
Publisher
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Webmaster slatsatn.net
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Weekly Nets
7pm Fall/Winter
8pm Spring/Summer
WØATN 440 in 426out 4Mhz BW
Talk-back radio: 144.34 MHz

-ON THE NEWS FRONT-

DAY CHANGE FOR THE NET

On May 27th it was voted that Wednesday night Net would be on two times a month for the summer. This will take affect in the start of the month of June.

WØATN NET CONTROLLER

FOR JUNE



MEL

KØPFX

JUNE

2026

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	SLATS NET 3 7:00 P.M.	4	5	6
7	8	9	10	11	12	13
14	15	16	SLATS NET 17 7:00 P.M.	18	19	20
21	22	23	24	25	26	27
28	29	30				

WHAT'S HAPPENING

Dear **SLATS** Member,

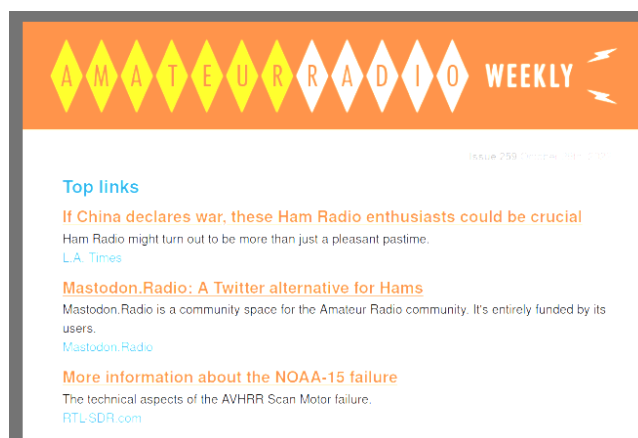
The deadline for **SLATS** newsletter articles is **30th^{of} each month**. You may send your article along with any photos to: rknode12@gmail.com

The preferred format is MS Word as a .docx file but a text file is acceptable. Pictures can be in .jpg or.png format and of medium to high resolution. Excel files are acceptable for tables etc.

Photos alone are also welcome. No story needed, just a few words for a caption.

The success of our **SLATS** newsletter depends on the input from the membership. Consider any type of article you feel would be of interest for the enjoyment of our readers.

73, **Rich, KBØCCL**



[Amateur Radio Weekly email newsletter of videos and news for Ham Radio operators](#)

SLATS Merchandise

On the TeePublic Website, Scroll down to “**More St. Louis Amateur Television Society Products**” “Adult Apparel, Kids Apparel, Accessories, and Home Goods”

Don't pay retail. Get 20% off for signing up for emails. Spin to Win for as much as another 20% off. Plus, periodically they mark everything down 35%! With email notifications you'll know when the sale is on!



[Proceeds go towards maintaining SLATS website](#)

ARTICLES OF INTEREST

HAMFEST, HAMVENTIONS AND RADIO CLUBS

Missouri Amateur Radio Clubs



[Click here](#) to go to operational Map

[Missouri Amateur Radio Clubs](#) | [Missouri ARRL Section](#)

Upcoming Area Hamfests, Conferences
& Conventions!

The Yagi Turns

Submitted by: Mel– K0PFX

<https://forums.qrz.com/index.php?threads/the-yagi-turns-100.992144/>

ARTICLE OF INTEREST

Submitted by: Gary - N0GL

AMATEUR RADIO ANTENNA LENGTH CHART					
	FREQUENCY (Mhz)	1/4λ (Feet)	1/2λ (Feet)	1λ (Feet)	1/2λ Inv Vee 90° (Feet)
160 METERS	1.800	130' 0"	260' 0"	558' 4"	257' 5"
	1.850	126' 6"	253' 0"	543' 3"	250' 5"
	1.900	123' 2"	246' 4"	528' 11"	243' 10"
	2.000	117' 0"	234' 0"	502' 6"	231' 8"
80 METERS	3.500	66' 10"	133' 9"	287' 2"	132' 5"
	3.750	62' 5"	124' 10"	268' 0"	123' 7"
	3.900	60' 0"	120' 0"	257' 8"	118' 10"
	4.000	58' 6"	117' 0"	251' 3"	115' 10"
40 METERS	7.000	33' 5"	66' 10"	143' 7"	66' 2"
	7.150	32' 9"	65' 5"	140' 7"	64' 10"
	7.300	32' 1"	64' 1"	137' 8"	63' 6"
30 METERS	10.100	23' 2"	46' 4"	99' 6"	45' 10"
	10.150	23' 1"	46' 1"	99' 0"	45' 8"
20 METERS	14.000	16' 9"	33' 5"	71' 9"	33' 1"
	14.150	16' 6"	33' 1"	71' 0"	32' 9"
	14.300	16' 4"	32' 9"	70' 3"	32' 5"
	14.350	16' 4"	32' 7"	70' 0"	32' 3"
17 METERS	18.068	12' 11"	25' 11"	55' 7"	25' 8"
	18.168	12' 11"	25' 9"	55' 4"	25' 6"
15 METERS	21.000	11' 2"	22' 3"	47' 10"	22' 1"
	21.200	11' 0"	22' 1"	47' 5"	21' 10"
	21.450	10' 11"	21' 10"	46' 10"	21' 7"
12 METERS	24.890	9' 5"	18' 10"	40' 5"	18' 7"
	24.990	9' 4"	18' 9"	40' 3"	18' 6"
10 METERS	28.000	8' 4"	16' 9"	35' 11"	16' 7"
	28.500	8' 3"	16' 5"	35' 3"	16' 3'
	29.700	7' 11"	15' 9"	33' 10"	15' 7"
6 METERS	50.000	4' 8"	9' 4"	20' 1'	9' 3"
	54.000	4' 4"	8' 8"	18' 7"	8' 7"
2 METERS	144.000	1' 8"	3' 3"	7' 0"	3' 3"
	148.000	1' 7"	3' 2"	6' 9"	3' 2"

Antenna length calculations are based on the following formulas:
1/2 wave dipole (feet) = 468/frequency in MHz
Full wave loop (feet) = 1065/frequency in MHz
Inverted Vee with 90 degree included angle is 95% the length of 1/2 wave dipole

Note:
Cut wire slightly longer to allow for connecting insulators and pinning.
Height above ground, nearby wires, trees, etc. will change tuning slightly.

MILLENNIA
ARTS

Submitted by: Rich - KB0CCL

Click-and-drag the web page icon

If your browser window is **maximized**, make it a **window**. Once done, **click-and-drag** the icon or lock next to the **URL** (Uniform Resource Locator) in the **address bar** and drag it to where you want the shortcut. For example, in the below address bar of Computer Hope you would drag the CH (Computer Hope) icon to your desktop or another location.



NOTE: These suggestions have been proven to work. Use at your own discretion.

ITEMS FOR SALE OR GIVE-AWAY

Yaesu FT-736R Transceiver

Multimode and multiband VHF/UHF base station transceiver. Four modules covering the 50 / 144 / 430 / 1240 MHz amateur bands. 25 Watts output power on the 144 and 430 MHz in SSB, CW, Packet and FM modes. 10 Watts output power on 50 and 1200 MHz, GaAs FET preamplifiers, high stability TCXO, IF-shift, notch filter, noise blanker, selectable AGC, complete memory system, multiple VFOs, full duplex satellite communications, CAT computer control. Optional FTS-8 CTCSS tone encoder/decoder. MH-1 Hand Held Microphone + Self Powered Desk Top Mic. Complete operator Manual and the original Box. In Perfect working condition and only two small surface blemishes on the front panel. (See photos) Too many other features to mention. This was the Cadillac rig from late 1987 thru 1990's and sold for \$1700 in 1993. Still a very valuable and reliable piece of gear today.

Now the best part. I'm only asking \$850 and prefer local pick up in the O'Fallon, MO area. Contact: 636 734 5914 or gary@slatsatn.net



VARIOUS HAM ANTENNAS

VARIOUS HAM ANTENNAS

I want to:

Sell an item

Name

Mel Whitten

Call Sign

K0PFX

Phone (optional)

+13147391108

Email

mel@melwhitten.com

Brief Description of item mel@melwhitten.com

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.

[WORD file](#)

3219 Haas Avenue

Bridgeton, MO

63044

US

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.

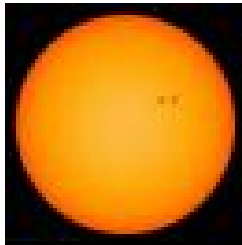


GO TO OUR WEBSITE

<https://slatsatn.net> for descriptions and pricing

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

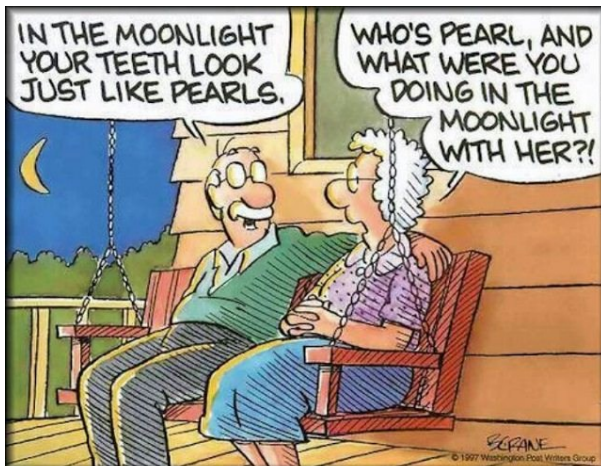
Antennas: (2) New-Tronics Hustler Spirits, 9db 426TX and 440RX

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.hides.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](http://www.AmateurTelevisionNetwork.com)

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>