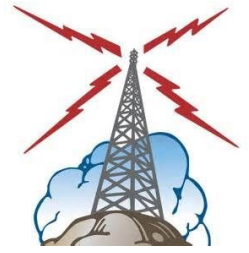




SLATS

St. Louis Amateur Television Society



IN THIS ISSUE

APRIL 2026

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On the News Front

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Hamvention 2026
Sponsored by Dayton Amateur Radio Association
May 15-17
[GET YOUR TICKETS NOW!](#)

SLATS newsletter is published monthly on the 1st 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

WØATN NET CONTROLLER FOR APRIL



**GARY
NØGL**

APRIL

2026

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

WHAT'S HAPPENING

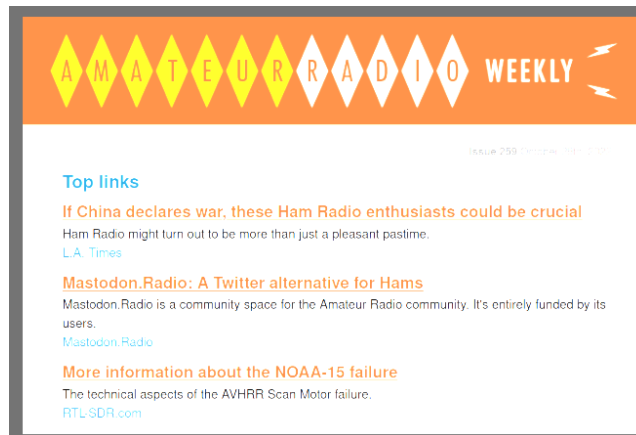
Dear **SLATS** Member,

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”

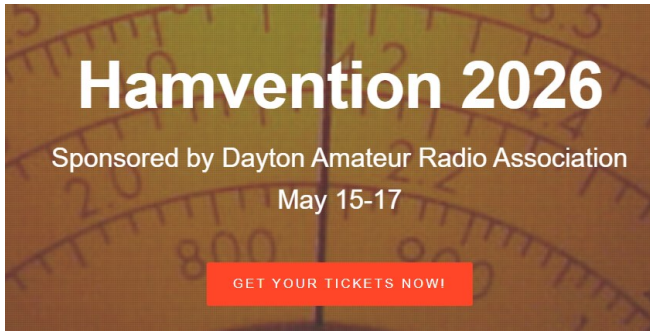
Don't pay retail. Get 20% off for signing up for emails. Spin to Win for as much as another 20% off. Plus, periodically they mark everything down 35%! With email notifications you'll know when the sale is on!



[Proceeds go towards maintaining SLATS website](#)

ARTICLES OF INTEREST

HAMFEST, HAMVENTIONS AND RADIO CLUBS



Dayton Hamvention®



Vendor Listings

When is the show?

Friday May 15th, 2026 9:00 AM – 5:00
Saturday PM
Sunday May 16th, 2026 9:00 AM – 5:00 PM
May 17th, 2026 9:00 AM – 1:00 PM

Where is the show?

Greene County Fair and Expo Center
210 Fairground Road, Xenia 45385
Coordinates are 39.702 N – 83.9420 W

Missouri Amateur Radio Clubs

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



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

Upcoming Area Hamfests, Conferences
& Conventions!

ARTICLE OF INTEREST

Article submitted by: Rich KBØCCL



via Hackaday: Accidental Climate Engineering With Disintegrating Satellites

For many decades humankind has entertained the notion that we can maybe tweak the Earth's atmosphere or biosphere in such a way that we can for example undo the harms of climate change, or otherwise affect the climate for our own benefit. This often involves spreading certain substances in parts of the atmosphere in order to reflect or retain thermal solar radiation or induce rain.

Yet despite how limited in scope these attempts at such intentional experiments have been so far – with most proposals dying somewhere before being implemented – we have already embarked on a potentially planet-wide atmospheric reconfiguration that could affect life on Earth for centuries to come. This accidental experiment comes in the form of rocket stages, discarded satellites, and other human-made space litter that burn up in the atmosphere at ever increasing rates.

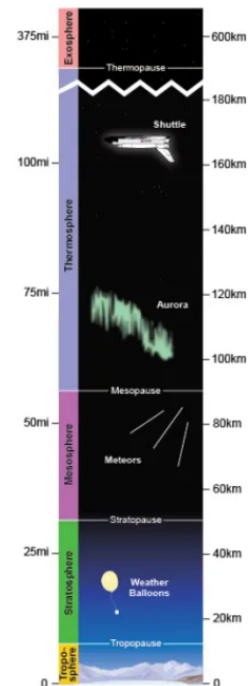
Rather than burning up cleanly into harmless components, this actually introduces metals and other compounds into the upper parts of the atmosphere. What the long-term effects of this will be is still uncertain, but with the most dire scenarios involving significant climate change and ozone layer degradation, we ought to figure this one out sooner rather than later.

Running The Numbers

When a human-made object disintegrates in the atmosphere, it's reduced to its base compounds, after interaction with the super-heated plasma that forms around said object. With the commonly used aluminium, for example, this means the production of aluminium oxide.

By far the largest amount of mass that will be burning up in the atmosphere over the coming years is formed by LEO internet constellations such as Starlink, which have a cumulative mass of over 10,000 tons. In addition, the second stage of the Falcon 9 rockets that are currently used to launch Starlink v1 and v1.5 satellites into LEO also burns up in the atmosphere. Recently, such a Falcon 9 stage suffered a mishap that caused it to disintegrate over Europe, rather than the typical trajectory over remote parts of Earth's oceans.

This provided the perfect natural experiment. Batteries onboard satellites contain lithium, and because it's relatively scarce in the atmosphere, it makes a great marker for the effects of satellites burning up on re-entry.



[Click Here](#) For the complete article - [Click Here](#)

ARTICLE OF INTEREST

Article submitted by: Mel KØPFX

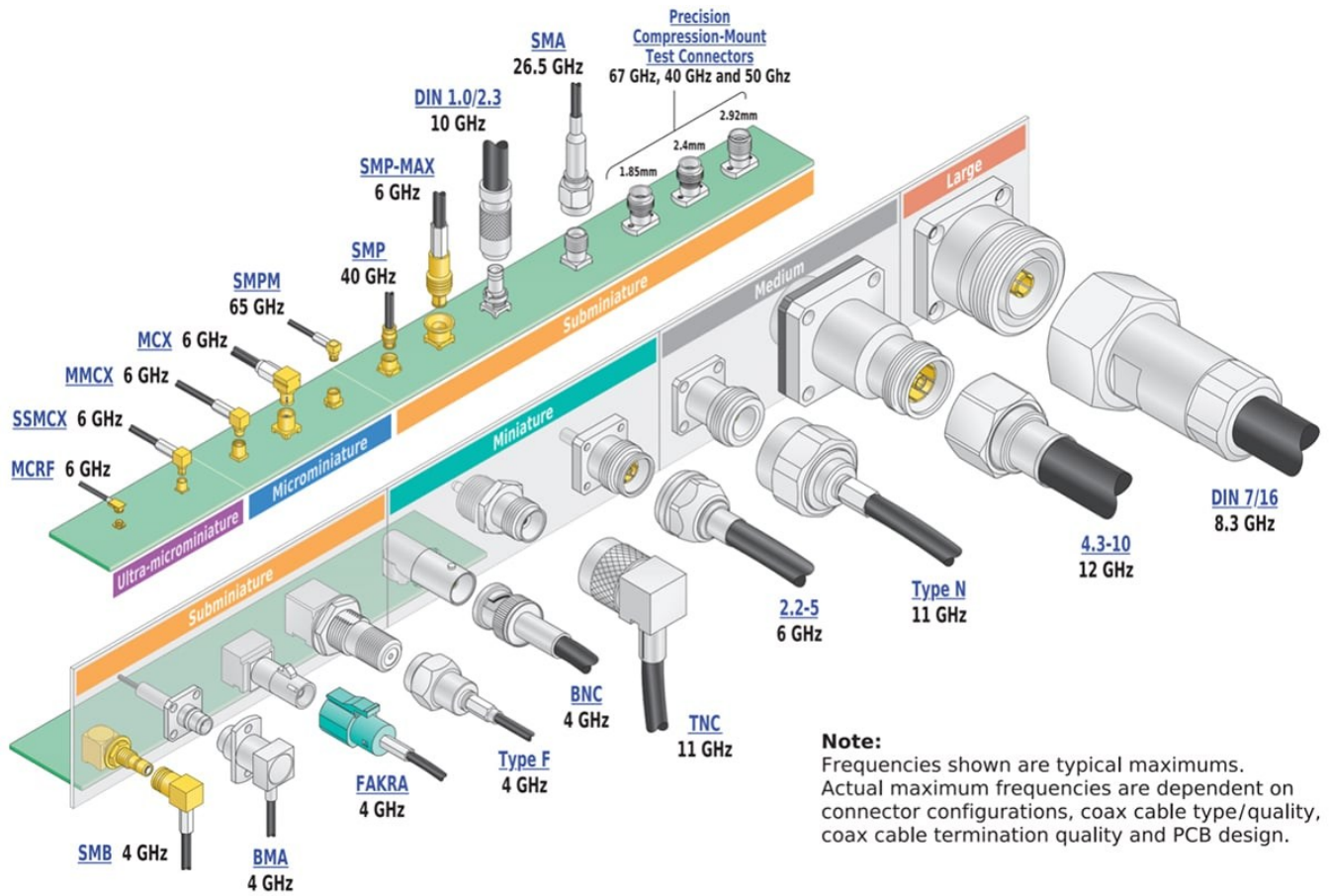
Another push for NextGen TV... this time by 91 members of Congress

I have written in the past about the “coming “of NextGen TV/ATSC 3.0. Well, there has been a number of complaints from OTA TV viewers that many of the sports events/games can’t be viewed using the current TV technology. As we know, “sports” has always led the way to “better television technology” (notably better color, sound and resolution) which NextGen TV will provide too. These complaints and support from the broadcasters have finally pushed Congress to start doing something more about it.

Recently, (like this past week!) a letter signed by 91 members of the House of Representatives was sent to the FCC “highlighting the need to set a firm date for the transition.” Led by the bipartisan co-chairs of the Congressional Broadcasters Caucus including our own Missouri Rep Mark Alford, the letter urged the FCC to take the “next steps” toward advancing the transition to NextGen TV. These members of Congress have finally understood “the immense consumer benefits that a modernized broadcast infrastructure will deliver to communities across the county.” Let us hope more in Washington will understand the benefits also and do what is necessary in bringing NextGen to many anxiously waiting viewers.

ARTICLE OF INTEREST

Article submitted by: Gary NØGL



ITEMS FOR SALE OR GIVE-AWAY



SM-1000 HF DIGITAL VOICE ADAPTER

SALE FLEX 6700 SDR RADIO SALE



MOTOROLA SU42 SPIRIT PRO TWO-WAY RADIOS



ICOM IC-451 A/E ALL MODE TRANSCEIVER



YAESU FT 847 ~ HF/50/144/430 Mhz



ICOM IC-7000 with LDG-7000 AUTO TUNER



Free VHF/UHF Sweeping Oscillator



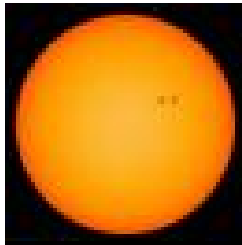
HALLCRAFTERS REMOTE ANTENNA TUNER

GO TO OUR WEBSITE

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

LINKS:

SOLAR UPDATE



The K7RA Solar Update (arrl.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](#) 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>