



Hamvention Preview



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Hamvention is nearly here and TAPR will be present in full-force! The biggest ham radio convention of the year runs from May 20 to May 22 at the Greene County Fairgrounds in Xenia, Ohio and TAPR has plans to fill your Hamvention weekend.

TAPR Booths

TAPR's booths will be in Building 5 where we will show what we have been up to lately. You can visit our booths 9 AM to 5 PM on Friday and Saturday and 9 AM to 1 PM on Sunday.

TAPR Forum

Friday at 9:15 AM, Scotty Cowling, WA2DFI, will moderate the TAPR Forum in Greene County Fairgrounds Forum Room 1. This year's speakers and their topics include:

- Scotty Cowling, WA2DFI, TAPR President, "TAPR Activities Update"
- John Ackermann, N8UR, "SynthDO GPS Disciplined Oscillator Project"
- John Hays, K7VE, "ARDC Grants"
- Jonathan Rizzo, KC3EEY, "The Whistler catcher, a VLF module for the TangerineSDR"

TAPR/AMSAT Dinner

The 14th annual AMSAT/TAPR Banquet will be held at the Kohler Presidential Banquet Center on Friday, May 20 at 18:30 EDT. This year's banquet will honor the life and accomplishments of amateur satellite and amateur packet pioneer Bob Bruninga, WB4APR, who passed away in February.

The Kohler Presidential Banquet Center is located at 4548 Presidential Way, Kettering, Ohio – about 20 minutes away from the Greene County Fairgrounds. You can register for the banquet online at www.amsat.org/product/amsat-tapr-joint-hamvention-banquet-registration/. (Banquet tickets must be purchased in advance and will not be sold at the AMSAT or TAPR booths.)

The Gang

The folks behind the scenes at TAPR will be at Hamvention, so you will have an opportunity to say "Hello" and have an eyeball QSO with the TAPR gang.



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TAPR Forum Details

On Friday, May 20 of Hamvention week, Scotty Cowling, WA2DFI, will moderate the TAPR Forum in Greene County Fairgrounds Forum Room 1. This year's speakers and their topics are as follows:

09:15 – 09:35 AM

Presenter: Scotty Cowling, WA2DFI, TAPR President
Title: "TAPR Activities Update"

09:35 – 09:55 AM

Presenter: John Ackermann, N8UR
Title: "SynthDO GPS Disciplined Oscillator Project"
Abstract: An update on the novel design of the TAPR "SynthDO" time and frequency reference used in the TangerineSDR and as a standalone device for hams and time-nuts. The SynthDO provides multiple frequency outputs locked to the atomic clocks in the GPS system, as well as highly accurate GPS time and location data.

09:55 – 10:15 AM

Presenter: John Hays, K7VE
Title: "ARDC Grants"



Abstract: Amateur Radio Digital Communications has been transformative with its grant making ability. A quick review and learn how to apply for grants for your next project.

10:15 – 10:35 AM

Speaker: Jonathan Rizzo, KC3EEY
Title: "Whistler Catcher VLF Module for the TangerineSDR"
Abstract: The Whistler Catcher is a data acquisition module for the Tangerine SDR that allows GPS timestamped capture of both the VLF and ULF spectrum. Using the right software, it's possible to automatically detect and record natural radio events such as whistlers and chorus as well as lightning (sferic) analysis and detect Sudden Ionospheric Disturbances (SIDs) using VLF transmitters. Lastly, it is also possible to receive amateur transmissions of GPS-locked carriers and coherent BPSK in the Dreamer's band, below 9 kHz.

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2022 ARRL / TAPR Digital Communications Conference



Make your reservations now for three days of learning and enjoyment at the Hilton Charlotte Airport Hotel. The Digital Communications Conference schedule includes technical and introductory forums, demonstrations, a Saturday evening banquet and an in-depth Sunday seminar. This conference is for everyone with an interest in digital communications— beginner to expert.

September 16-18
Charlotte, North Carolina

Contact Tucson Amateur Radio at:
www.tapr.org

ALL PLANS ARE SUBJECT TO CHANGE DUE TO THE CORONAVIRUS



Hilton Charlotte Airport Hotel

Write Here!

Your *PSR* editor is working on the next issue of *PSR* and hopes to find a few good writers, particularly ham radio operators working on the digital side of our hobby, who would like to write about their activities and have them published here in *PSR*.



You don't have to be Hiram Percy Maxim to contribute to *PSR* and you don't have to use *Microsoft Word* to compose your thoughts.

Your *PSR* editor can handle just about any text and graphic format, so don't be afraid to submit whatever you have to wallow@tapr.org --- she can handle it!

The deadline for the next issue of *PSR* is June 15, so write early and write often.

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On the Net

By Mark Thompson, WB9QZB

Facebook

As you may know, TAPR has a Facebook page, www.facebook.com/TAPRDigitalHam.



However, I also created a TAPR Facebook Group, www.facebook.com/groups/TAPRDigital/.

If you have a Facebook account, "Like" the TAPR Facebook page and join the TAPR Facebook Group.

If you join the group click on the Events link and indicate you're Going to the events.

On Twitter, Too

Access the TAPR Twitter account at www.twitter.com/taprdigital.



Also on YouTube

TAPR now has its own channel on YouTube: the TAPR Digital Videos Channel: www.youtube.com/user/TAPRDigitalVideo.



At this time, there are a slew of videos on our channel including many from the TAPR-ARRL Digital Communications Conference (DCC) that you may view at no cost, so have at it!

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PSR

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Phone +1 972 413 8277

E-mail: contact@tapr.org

URL www.tapr.org

Facebook www.facebook.com/TAPRDigitalHam

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TAPR Office Hours: Monday to Friday, 9 AM to 5 PM Eastern Time

Submission Guidelines

TAPR is always interested in receiving information and articles for publication. If you have an idea for an article you would like to see, or you or someone you know is doing something that would interest TAPR, please contact the editor (w11lou@tapr.org) so that your work can be shared with the Amateur Radio community. If you feel uncomfortable or otherwise unable to write an article yourself, please contact the editor for assistance. Preferred format for articles is plain ASCII text (OpenOffice or *Microsoft Word* is acceptable). Preferred graphic formats are PS/EPS/TIFF (diagrams, black and white photographs), or TIFF/JPEG/GIF (color photographs). Please submit graphics at a minimum of 300 DPI.

Production / Distribution

PSR is exported as Adobe Acrobat and distributed electronically at www.tapr.org

PSR Editor: Stana Horzepa, WA1LOU

E-mail w11lou@tapr.org

TAPR Officers

President: Scotty Cowling, WA2DFI, wa2dfi@tapr.org

Vice President: Steve Bible, N7HPR, n7hpr@tapr.org

Secretary: Stana Horzepa, WA1LOU, w11lou@tapr.org

Treasurer: Tom Holmes, N8ZM, n8zm@tapr.org

TAPR Board of Directors

Board Member, Call Sign, Term Expires, e-mail address

John Ackermann, N8UR, 2022, n8ur@tapr.org

Dan Babcock, N4XWE, 2024, n4xwe@tapr.org

Steve Bible, N7HPR, 2023, n7hpr@tapr.org

George Byrkit, K9TRV, 2024, k9trv@tapr.org

Scotty Cowling, WA2DFI, 2024, wa2dfi@tapr.org

Stana Horzepa, WA1LOU, 2023, w11lou@tapr.org

Dave Larsen, KV0S, 2022, kv0s.dave@gmail.com

Bruce Raymond, ND8I, 2022, bruce@raymondtech.net

Darryl Smith, VK2TDS, 2023, vk2tds@tapr.org

TAPR is a not-for-profit scientific research and development corporation [Section 501(c)(3) of the US tax code]. Contributions are deductible to the extent allowed by US tax laws. TAPR is chartered in the State of Arizona for the purpose of designing and developing new systems for digital radio communication in the Amateur Radio Service, and for disseminating information required, during, and obtained from such research.

PSR Advertising Rates

Full Page Ad for 1 issue: \$100, 4 issues: \$350

Half Page Ad for 1 issue: \$75, 4 issues: \$250

Quarter Page Ad for 1 issue: \$50, 4 issues: \$175



Membership Application

TAPR

1 Glen Ave., Wolcott, CT 06716-1442

Phone +1 972 413 8277, Monday-Friday, 9AM-5PM Eastern Time

E-mail contact@tapr.org URL www.tapr.org

Join or renew online at <https://tapr.org/logout/>

Benefits of a TAPR Membership:

- Subscription to the quarterly PSR
- 10% off most TAPR kits and publications
- Access to the TAPR digital library
- Latest information on TAPR R&D projects
- Co-sponsor of the annual TAPR-ARRL Digital Communications Conference (DCC)

Name _____ Call Sign _____

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New Renewal \$30 X _____ number of years = \$ _____ total

Payment Method: Check Credit Card Money Order Cash Don't send cash through the mail !

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TAPR is a community that provides leadership and resources to radio amateurs for the purpose of advancing the radio art.