

N.E.W.S. LETTER

The Official Publication of the North East Weak Signal Group – [N.E.W.S. - Home \(newsvhf.com\)](http://www.newsvhf.com)

January 2024

Volume 32

Issue 1

Next Meeting: January 6, 2024.

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GENERAL MEETING - STORRS LIBRARY -

1 PM to approximately 3:45 PM.

693 Longmeadow St, Longmeadow, MA 01106

<https://www.longmeadowlibrary.org/>

BOARD MEETING - 11:00 AM at Lulu's, 151 Hazard Ave. Enfield, CT

Phone: (860) 763-2377 I-91 Exit 47 Rt. 190E 1 Mile on Left <http://luluspizzeria.com>

DON'T FORGET

The North East Weak Signal Group 2 Meter Net

Every Thursday at 8:30 PM local 144.250 MHz

K1BXC Net Control

MEMBERSHIP in the N.E.W.S Group is \$10 per 2 years.

Apply to George Collins, KC1V. E-mail: news.kc1v@gmail.com.

You may download an application from our web page: <http://www.newsvhf.com>

The N.E.W.S. LETTER is the publication of the North East Weak Signal Group.

Articles may be reprinted with proper credit given to the author and the N.E.W.S. LETTER.

Send articles by e-mail to Don Twombly at donw1fkf-news@yahoo.com.

REMINDER: 222 MHz Activity Night Tuesdays 7 to 11 PM

NEWS Meeting 18 November 2023

at Storrs Library, Longmeadow, MA

and by ZOOM

Called to Order by President, W2AAU, at 1323

Correction to Minutes of 23 September meeting:

Correct call for new member is KA1PQK

TREASURERS REPORT

Balance \$2943

Members:

89 Regular

3 Life

12 Permanent

no New Members

7 Renewals



OLD BUSINESS

NEW BUSINESS

- K1MAP: Eastern VHF/UHF Conference date is 18-21 April 2024
Waiting for contract from hotel.

- W1LE: proposal for 10 GHz contest to allow additional hams
to use equipment (followed by discussion)

- KC1V (in response to question): Changes to ARRL insurance
program do not affect club coverage.

- W1FKF: suggests new NEWS hats and shirts. KC1V offered to
get cost estimates.



ADJOURN 1358

PROGRAM:

W1FKF - Cheap 10 GHz beacon: 10368.400 MHz, 2 Watts, sectoral
horn, locator FN44rc. Hosted by KV1J

WA1HCO - "A New Kind of Microwave Contest" - description of
mesh networking in New Hampshire

.....

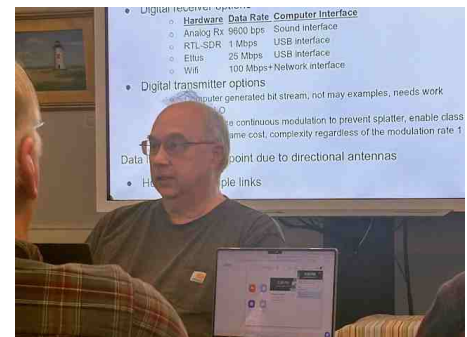
Those that missed the last meeting

Presentation on Microwave contests, incentives, and data link

[Updated Presentation slides from Nov. 18, 2023](#)

Jeff WA1HCO

wa1hco@gmail.com



Weekly Calendar

Mon. Packrats Nets start at 7:30pm on 6 meters, 8 pm on 144.150, etc. Philadelphia area.
Tues. Mud Toads Net FM 17, Virginia 8 pm 144.250
Tues. Activity Night 7:30pm 222.100 K1WHS +
Weds Activity Night 432 K1FMS (N1DPM) +
Thurs. NEWS net, 8:30pm 144.250
Sat. Chesapeake Net 144.205 W3BFC FM28 9 pm
144.205 Mornings 8:30-9:30 AM -- 144.205 , 144.190, ME, Canada to NC and out to OH, WV

Officers:

President Dick Frey, WA2AAU, Delanson, NY
Vice Pres. Eric Mazur, KA1SUN, Savoy, MA

Treasurer George Collins, KC1V, Somers, CT
Secretary Paul Wade, W1GHZ, Cabot, VT

Board Of Directors:

Tom Cefalo W1EX N Reading MA
Tom Williams WA1MBA Orleans, MA
Bob Bownes KI2L, Troy, NY
Mark Casey K1MAP, Hampden, MA

Microwave Update 2024 British Columbia, Canada October 3-5, 2024

https://archive.microwaveupdate.org/conf2023/Microwave_Update_2024.pdf

Looking for new Club Trustee

Must be control op for beacons (now on RR property). Is a younger person willing?

Renewal is next year.

[for more info](#)

Contact Ron WZ1V wz1v@arrrl.net

Club Commission Program

One of the benefits of being an ARRL Affiliated Club is having access to the Club Commission Program. Affiliated clubs can use this program to receive a commission for promoting membership in ARRL. When you sign a new member, the club gets \$15, and when a member renews through the club, you get \$5.

Members can renew anytime without losing any of their membership time. Details and forms are available on the ARRL web site, at www.arrrl.org/affiliated-club-benefits. FAQs are also available to help explain the program. It does take some effort and a bit of paperwork, but the club reaps the reward in cash. If your affiliated club is not participating in this program, ask them to investigate it.

WRC-23 Reaches Acceptable Conclusion on 23 cm

The International Telecommunication Union's World Radiocommunication Conference (WRC) began November 20 and continues through December 15, 2023 in Dubai, U.A.E, for the purpose of reviewing spectrum matters related to the International Radio Regulations. WRC's are held every three to four years and includes the Amateur and Amateur Satellite Service allocations.

The agenda of items to be reviewed for this WRC was established at the completion of the last conference in 2019. Of primary importance to the Amateur and Amateur Satellite Services is Agenda Item 9.1 topic b to address the amateur services use of the 23cm band and the co-frequency use by several radio navigation satellite service (RNSS) systems in the 1240 – 1300 MHz band.

International Amateur Radio Union

Working for the Future of Amateur Radio

IARU's work began four years ago with preparatory study in ITU-R to address this agenda item and has finally drawn to a close. Our concerted engagement in the ITU-R working parties, study groups and WRC preparatory meetings ensured that the amateur services were properly represented during the development of two published ITU-R reports, M.2513 and M.2532. These were followed by an ITU-R Recommendation, M.2164, that formed the basis for the discussions at WRC-23.

During the WRC-23 deliberations, strong positions were expressed by all the parties involved. The result is a well-supported compromise for a footnote in the Radio Regulations regarding amateur and amateur satellite service operation in the 1240–1300 MHz range. The footnote reminds administrations and amateurs of the need to protect the primary RNSS from interference and provides guidance to administrations to allow both services to continue to operate in this portion of the spectrum. The compromise was formally adopted by the Conference Plenary on December 8 and is not subject to further consideration during the final week of the WRC. The IARU team continues its work on other WRC issues including the development of agendas for future conferences.

IARU President Tim Ellam, VE6SH, noted “This is a very good result for the amateur services. The decision reached at WRC-23 on this agenda item makes no change to the table of allocations nor incorporates by reference M.2164 into the Radio Regulations. The addition of a footnote that provides guidance to administrations in the event of interference to the RNSS is a good regulatory outcome for amateurs and the primary users of this band.”

The WRC also agreed to suppress the Resolution 774 which closes the issue and satisfies the agenda item.

IARU President Tim Ellam, VE6SH, thanks Barry Lewis, G4SJH, for his success in leading IARU’s work on AI 9.1b. Looking on is (l-r) WRC23 SWG4B7 Chair Dale Hughes, VK1DSH, IARU Vice President Ole Garpestad, LA2RR, Tim Ellam, VE6SH, Barry Lewis, G4SJH, and IARU Secretary Joel Harrison, W5ZN

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<https://www.iaru.org/recommendation-on-ai-9-1b-approved-at-wrc-23/>

WRC-23 correction and revised update

“For the USA there will likely be no change. In IARU Region 1 we will have a power limit of 50W at 1296-1298MHz. At 1298-1300MHz the limit will be 150W. Also at 1298-1300MHz for EME, the power limit will be 500W (possibly still 400W in the UK) for EME for dish gains of 30dBi and only above 15 degrees elevation. It is envisaged that most terrestrial operation (dx and beacons) will move to 1298MHz. EME will almost certainly move to 1298-1300 to avoid a split band like on 13cm.

Not all EU or other Region 1 states will implement these changes. In particular the UK is still pretty p....d! At being thrown out of Galileo when we engineered most of it for the EU. For sure it will be some years before these changes take place in most of Europe. It might be in the best interests of Region 1 to suggest a date at which we change.”

So.....not as fine and dandy as it first seemed.

-Brian, WA1ZMS

QST Magazine

After September 1st 2023 and before July 1st 2024 existing ARRL Life Members need to let the ARRL know they wish to continue to get their mailed magazine, or the implied default action is that they will be converted to a “Life Digital Member” to save the ARRL printing and postage

<https://eme2024trenton.org/>



2024 EME Conference
August 9th to 11th, 2024

International EME 2024 Conference

August 9th to 11th, 2024

Don't miss the EME 2024 Conference, happening near Trenton, NJ (in Ewing). Hosted at The College of New Jersey campus, centrally located near Washington DC, Philadelphia and New York City, this conference is dedicated to exploring the fascinating world of Earth-Moon-Earth Communications (EME). Join us at the 20th EME Conference to learn from expert speakers in the field and discover the latest advancements in Moon-bounce.

More info Regarding (Click on Below)

Proposal for a Geostationary Microwave Amateur Radio Payload

Content:

Overview

Coverage Area - Geostationary Equatorial Position.

Baseline Microwave Communication Transponder

Transponder functionality and added features - Signal regeneration

24, 47 and 76 GHz+ Microwave Bands

Educational Outreach / Imaging / Laser Experiment

For Sale: From Henry KT1J

24 GHz system. 2' dish, 5w plus LNA. \$1500

5760 Transverter/amplifier (10W out) inc. FT817 IF and 3' dish. \$895

6M legal limit amplifier - two Harris CH3 amps combined. \$1500

Elecraft KPA-1500 - \$5700

Harris 2M amplifier (300W out) inc. 0.5 - 15W driver amp and sequencer. \$350

Yaesu FT1000MP MkV HF 200W transceiver and power supply, six crystal filters, one mech. filter. One owner non-smoking. \$995

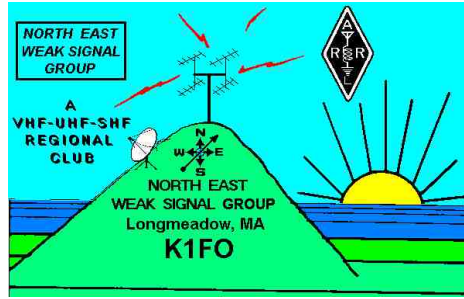
73,
Mike, N1JEZ n1jez73@gmail.com

Please inquire about a specific item for further details. All reasonable offers considered. More items will be available.



α ALPHA ANTENNA®





MEMBERSHIP APPLICATION

Date: _____

Name: _____

Call sign: _____ Grid: _____

Street: _____

City: _____ State: _____ Zip: ____ - _____

Phone (home) _____ Optional (work) _____ - _____

Email _____

ARRL member: Y N

Electronic Newsletter Delivery: Y N

Operational Bands (circle)	50 MHz	144 MHz	222 MHz	432 MHz	903 MHz	1.2 GHz	2.3 GHz	3.4 GHz
	5.6 GHz	10 GHz	24 GHz	47 GHz	76 GHz	Light		Other (list)

The North East Weak Signal [N.E.W.S.] Group was established in 1993 to form a camaraderie among fellow VHF-UHF-Microwave enthusiasts and support a convenient means to exchange technical information. We currently have six meetings per year, 4 are held on at the Storrs Library on Rt. 5 in Longmeadow, Mass., 1 at our annual Conference in April, and 1 at our Annual Picnic in July. We provide a "NEWSLETTER" that is distributed via email two weeks prior to each meeting. Any contributions to this publication are appreciated and can be sent to: Don Twombly, W1FKF by e-mail to donw1fkf-news@yahoo.com. Dues are \$10 for 2 years. Please contact or mail application to: NEWS Treasurer, George Collins, KC1V, 105 Ninth District Rd., Somers, CT 06071 or E-mail: news.kc1v@gmail.com

Mail to

Treasurer

North East Weak Signal Group

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NEWSLetter

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