



PEAKS & NULLS

MORRIS RADIO CLUB

Volume VII, Issue V

May 16, 2019

THIS MONTH IN 1949

This month there were three meetings plus an executive session. The extra meeting and session were to discuss the proposed FCC regulation that would get rid of the Class A license and replace it with the Amateur Extra along with adding Technician and Novice licenses.

TVI was still the major topic at the regular meetings. Ed Ladd W2IDZ was the speaker at the May 5th meeting. Ed was famous for his 6 Meter operations and later founded Whippany Labs that produced VHF ham gear. In this time frame he was working at Bell Labs in both Whippany and Holmdel. They're still pushing to get members to build 2 Meter mobile rigs. Mack Seebold W2RYI of RCA talked about TVI causes and cures at the May 18th meeting.

At the April 7th meeting it was stated that the club had never been unaffiliated with the ARRL and would go back on active status. This month that letter from the ARRL was referenced again and that Ed Ladd would rework the constitution from the old club. The only record of the club existing before 1949 is on the ARRL Club web page where it states that the Morris Radio Club Affiliation Date was April 8, 1931. So technically we've been an ARRL Affiliated Club for 88 years.

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CONGRADULATIONS NOEL

Noel scored 2nd in the country and 18th in the world out of 206 entries in the ARRL 2018 10 Meter contest Single OP Phone Only Low Power category. Although it has since been corrected, due to an ARRL error Noel was listed in the New York City Long Island Section instead of Northern New Jersey. Two other members also took part in the contest. Craig WR2G came in 95th out of 163 in the Single OP Unlimited High Power category and Bill WA2VQF came in 148th out of 315 in the Single Op CW Only Low Power Class. Our former member Fred NA2U in Phoenix was in the same category as Craig and came in 21st. Fred lives in a antenna restricted community and has a hidden antenna but, for this contest he used a remote station in the mountains outside of Phoenix, Below is a break down of the scores:

	Score	Q's	Multipliers	Hrs of Operation
NO2EL	5220	90	29	18
WR2G	10396	128	23	5.3
WA2VQF	880	20	11	1.8
NA2U	62504	306	52	7.4

FT8 DEMONSTRATION

Noel is planning on doing a live FT8 demonstration at the meeting on Monday night May 20th, with the equipment set up at the school.



UPCOMING MEETINGS

May 20, 2019 Regular Business Meeting - FT8 Demonstration
 June 17, 2019 Regular Business Meeting / Field Day Setup Talk
 June 22-23, 2019 Field Day
 July - No Meeting
 August 19, 2019—Annual Summer Get-together at 6 PM, location to be announced

SELECTED UPCOMING CONTESTS

His Maj. King of Spain Contest, CW	1200Z, May 18 to 1200Z, May 19
Baltic Contest	2100Z, May 18 to 0200Z, May 19
RSGB 80m Club Championship, Data	2000Z-2030Z, May 22
CQ WW WPX Contest, CW	0000Z, May 25 to 2400Z, May 26
RSGB 80m Club Championship, CW	1900Z-2030Z, May 30
10-10 Int. Open Season PSK Contest	0001Z, Jun 1 to 2359Z, Jun 2
Wake-Up! QRP Sprint	0600Z-0800Z, Jun 1
SEANET Contest	1200Z, Jun 1 to 1200Z, Jun 2
VK Shires Contest	0600Z, Jun 8 to 0600Z, Jun 9
Asia-Pacific Sprint, SSB	1100Z-1300Z, Jun 8
Portugal Day Contest	1200Z, Jun 8 to 1159Z, Jun 9
GACW WWSA CW DX Contest	1500Z, Jun 8 to 1500Z, Jun 9
REF DDFM 6m Contest	1600Z, Jun 8 to 1600Z, Jun 9
ARRL June VHF Contest	1800Z, Jun 8 to 0300Z, Jun 10
RSGB 80m Club Championship, Data	1900Z-2030Z, Jun 10



PREDICTED SUNSPOT NUMBER AND RADIO FLUX FOR JUNE 2018

SUNSPOT NUMBER

PREDICTED HIGH LOW

26.3 36.3 16.3

10.7 RADIO FLUX

PREDICTED HIGH LOW

82.8 91.8 73.8

APRIL MEETING MINUTES

Morris Radio Club – Meeting Minutes

April 29, 2019

Attendees (9)
K2EMG, K3YAK,
KA2HZP, KY2D,
N1MID, NO2EL,
WA2IMS, WA2VQF,
WR2G

A quorum was present.

Opening of Meeting

President Ed K2EMJ opened the meeting at 7:38 PM

Reports:

Secretary – Bill WA2VQF reported that the March Minutes were issued in the April Peaks and Nulls Newsletter. There were no corrections received.

Scott K5PBJ, moved that the Secretary report be accepted. Joe N1MID Seconded. The Secretary report was accepted.

Noel NO2EL presented the treasurers report for April.

The actual account numbers are available from Noel

JOE N1MID moved that the Treasurers report be accepted. JIM KY2D Seconded. The Treasurers report was accepted.

Old Business

Noel reported on the Ham-Cram class and testing. There were six in the class with multiple walk-ins for the test session. Everyone passed.

The Splitrock Hamfest was discussed. It was not well attended and there were weather problems with the wind. Only one person took advantage of the test session but did not pass the extra. Jim attended the Hudson Directors meeting. He reported that there were only about a dozen people attending. Most of the items covered have already been covered in publications.

New Business:

Dave K3YAK reported that the beta release of FT4 was posted today.

A discussion of the computer timing problems currently with FT8 and how it will be worse with FT4 started.

Noel is working on the Phone/Digital station for Field Day to better incorporate FT8

CRAIG WR2G moved that the meeting be closed. JIM KY2D Seconded.

President Ed closed the meeting at 8:19 PM.

After the meeting ED K2EMJ had videos of speakers at the ARRL 100th anniversary in 2014. The group watched the speech by Dr. Joe Taylor K1JT describing his WSTJ-X program suite for weak signal and EME operation. This was before the implantation of FT8.

WA2VQF
MRC Secretary



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MORRIS RADIO CLUBTHURSDAY, MAY 5, 1949 - 8:00 P.M.RED CROSS HEADQUARTERS
29 Elm Street, Morristown, N.J.

ED LADD - W2IDZ who is moderately famous around
these parts for his 15-10-11-6-2 Meter Converter,
will talk on

DESIGN AND CONSTRUCTION OF HIGH FREQUENCY CONVERTERS

Ed is tied for first place in the Second
District 6 Meter W.A.S. Competition.

NOTE THE DATE: THURSDAY, MAY 5th.

Door Prize

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ord, Friday, May 6, 1949

Morris Radio Clubs Tells Of Aid In Elimination Of Interference

At a meeting of the Morris Radio Club last evening, Tom McCann, president, announced that the club had proven of service to the public, as well as to amateur radio by aiding in the elimination of some television interference.

In January, one of the club's members, Guernsey Day of 11 Olyphant drive, Morristown, voluntarily ceased operating his amateur radio station, W2OYH, when he learned that his transmitter was thought to be the cause of television interference. Ten of his neighbors signed a petition which was forwarded to the Federal Communications Commission but it was later learned that the television troubles of more than half of the signers were caused by other sources of interference such as automobile ignition, diathermy equipment and even other television sets.

Mr. Day, with the aid of several engineers in the Morris Radio Club completely redesigned and rebuilt his transmitter with the

result that his neighbors can now enjoy their television programs with little or no interference. Tests by an inspector of the Federal Communications Commission showed that Day's transmitter now meets all present requirements.

Always Willing To Cooperate

Mr. McCann pointed out that the club is anxious to investigate complaints against amateur operators and will make every effort to help correct cases of improper operation, however, he stressed the fact that in most instances the amateur was blamed for interference radiated from some other source.

The guest speaker of the evening was Francis E. Ladd of Westfield, W2IDZ, who gave an interesting talk on the design and construction of high frequency converters.

The club will soon have in operation a number of radio-equipped cars to provide mobile communications to the Disaster Service units of the Red Cross.



Meeting of May 5, 1949

Attendance 20

W2AFB K2BI K2BO W2GAX W2OYM W2WLM W2WPL W2WZC W2IOZ Alex Serico

W2YTH W2YTI W3AUF W2ZWP W2HIE W2OEW W2ENU W2WIV W2SMC Morley Gilson

The meeting was called to order at 8:15 PM by Tom McCann W2AFB

The secretary reported two communications received from the ARRL.

1. The constitution of the old Morris Radio Club.
2. The proposed new amateur regulations.

Ed Weed was appointed as chairman of a committee to revise and streamline the old Morris Radio Club constitution to make it apply to the present organization.

Jim Troc and Tom Winternitz were also appointed as assistants.

The president mentioned a clipping concerning television interference from FM broadcast by WPAT-FM and its cure.

Business closed temporarily at 8:40 PM.

Ed Ladd W2IDZ spoke on the design and construction of High Frequency Converters.

Ed spoke of the need for occupancy of the amateur 6 meter band and pointed out that if it were not used more there was an excellent possibility of our losing it after the next conference if adequate use is not made of it.

He gave a detailed analysis of the principles of design of high frequency band switching converters as applied to his latest 15 - 11 - 10 - 6 - 2 meter unit.

Ed mentioned that a high R/C ratio series resonant trap across the input of a TV receiver will cure adjacent channel interference on 6 meters. (7T air supported #4 wire 1 3/4 x 1 3/4 with about 2 uuF capacity)



The technical talk was finished at 9:50 PM.

It was announced that Mack Seebold W2RYI would speak on The causes and cures of TVI at the next regular meeting.

It was moved, seconded and voted that a special meeting be held next Thursday May 12 for the purpose of airing the new FCC proposal of Amateur Regulations and drafting our recommendations to both FCC & ARRL concerning these.

A showing of hands showed 7 people with progress to report on emergency equipment.

The meeting adjourned at 10:30 PM

Frank Walters W2OEW won the door prize as a 3 inch speaker.

Refreshments were served by Ken Warren W2WZC and Ben Orchard W2WCM.

W2HIE had to leave early for homework.

Ben W2WCM passed out cigars - Baby Boy - Harry

Respectively submitted



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SPECIAL MEETING

MORRIS RADIO CLUB Thursday May 12, 8:00 PM
Red Cross Headquarters, 29 Elm St., Morristown, N.J.

A meeting will be held to discuss the proposed new FCC Amateur regulations and to draft communications to ARRL and FCC stating club opinion on these regulations.

All interested persons are welcome

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Thu. May 12 8:00 PM

OFFICIAL BULLETIN NR 187 FROM ARRL HEADQUARTERS
WEST HARTFORD CONN APRIL 25 1949 TO ALL RADIO AMATEURS BT
On April 21 FCC released extensive proposals for changes in amateur regulations. Highlights: Opening of 3800 to 3850 for phone with restriction 3 kc signal bandwidth also signal bandwidth present 75 and 20 meter phone bands restricted to 6 kc, no expansion other phone bands. Carrier shift telegraph 29 to 29.7 Mc. Signal bandwidth 6 kc for phone between 29.65 and 29.7 Mc and 10 kc in remaining phone band. An entirely new system of license classes is proposed. Class A licenses would not be reissued after 1950. Amateurs wishing operate phone 75 and 20 meters would then have to take new exam including 20 WPM code test. A technician class is proposed with 5 WPM code test and privileges only above 220 Mc. A novice class is proposed with 5 WPM code test and reduced technical requirements with privileges in small portions various bands and nonrenewable license good for one year. Details in June QST and mailed to Affiliated Club secretaries. These are not new regulations but only FCC proposals AR



Executive Meeting - Morris Radio Club

At the home of W2AFB Tow McCann Monday evening May 9, 1949 8:20 to 10:30 PM.

Meeting of executives for Morris Radio Club to discuss stand on new FCC proposals

Attendance (6)

W2AFB, K2BI, K2BO, W2OYH, W2YTH, W2DAE

Tom McCann read a resume of the regulations. All present read or had read the ARRL - FCC release in its entirety

The board noted:

That the proposed novice class would have privileges on amateur low frequency bands without an adequate theory or code examination, that the restrictions as to frequency and power could not be policed and that this would make for a class of poor operators contributing nothing to amateur radio.

The board agreed

that in general the club should be in agreement with the general objection of these regulations as put forwarded in the release BUT, that we felt that the new regulations did not fulfill these objectives in any part and in general that they would tend to worsen rather than to better amateur radio.

The board agreed:

That a 13 word per minute code requirement is desirable both for initial and renewal of license - but that 13 words / minute is a sufficient requirement.

that we are in favor of the bandwidth restrictions as stated in the proposal.

That we are not in favor of any technician or Novice class with reduced requirements and feel that the class B examination is sufficiently simple for all comers.



That the examination for class A privileges should be periodically revised to keep up to date with advances for the art.

That reexamination at expatriation of Class A tickets should be required but that Class B privileges should be available to holders of Class A licenses on expiration by application.

That the Class A license be renewable as Class A continuously indefinitely.

That we are in favor of the more stringent proof of use requirements for renewal of licenses as outlined in the proposal.

That we heartily endorse an amateur extra class license which should be open to Class A licenses and should require a 20 word / minute code exam and a stiff technical examination. This license should carry with it the assignment of a two letter call. Such assignment should not effect presently issued two letter calls requirements.

It was agreed that the ARRL needed some prompting with regard the scanty information the supplied concerning the causes of the unusual procedure of the FCC in the rule making which has been proposed.



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MORRIS RADIO CLUB

Wed. May 18, 1949--8:00 PM
Red Cross Headquarters, 29 Elm St., Morristown, N.J.

Mack Seebold, W2RYI, of R.C.A. will talk on

TELEVISION INTERFERENCE--ITS CAUSES AND ITS CURES

Mack has published extensively on this subject and studied it in great detail. He knows what he is talking about and gives a swell talk. Let's see all you troubled people there.

Door PrizeRefreshments

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Meeting of May 18 1949
at 29 Elm Street, Morristown

The meeting was called to order at 8:15PM

The roll was called

Attendance 28

W2AFB W2AQC W2DAE K2BI K2BO W2GAX W2OYH W2VJA W2WCM W2WPL
W2WZC

W2YTH W3AUF W2ZWP W2HIE W2OEW W2WLL K2AX - Bill Rawson Alex Senco Morley
Gilson

W2RYI - Mack Seebold Mort Aarsonson W2IQQ W2JRP Irving Pitman Jack Muller W2RRL
W2RXJ

The secretary read the minutes of the last regular meeting (May 5)

Ed Weed reported that the letters to the ARRL, FCC and section director had been drafted and
the secretary was instructed to have these typed and went out by May 23.

He also reported that he was working on the club constitution and that he hoped to have at least
a preliminary draft of this by the next meeting.

Pent Sumner K2BI announced that he had arranged to have Johnny Van Dune W2MLX speak
and demonstrate at the next meeting.

He said Johnny has a very interesting discussion and demonstration of 420 Mc equipment.

Ben Orchard W2WCM seconded Pents' remarks by saying that Johnnys talk at (unreadable)
club had been most interesting.

The business meeting was temporarily adjourned at 8:30

Mack Seebold (and Mort Aarsonson) gave an excellent talk on the causes and cures of televi-
sion interference with demonstrations of shielding and grounding effects. He also described fil-
ters for power leads which reduced radiation to negligible values and filters for the (unreadable)
transmission line to the antenna which removed harmonic radiation.



some of this equipment is to be described in the next issue of QST. Mack was swamped by questions from the unusually large attendance which he brought forth.

The discussion was temporarily halted at 9:55 for a short continued business session.

Tom McCann W2AFB President drummed the attendance for dues and the usual two bits for door prize & refreshments.

A showing of hands showed that 11 persons were still interested in getting emergency equipment going - preferably by June 1.

It was announced that W2OYH had offered an 829B to the first member who got his two meter mobile rig going and operated it in a QSO with Pent Sumner K2BI - Communications Manager from a mobile location.

W2OYH announced that W2BIF Hugh Metcalf could be induced to part with an S20R for a nominal figure

Also

W2RYD - Doc Hopping had a VHF-152-A for sale at a similar figure.

At 10:15 the floor was returned to Mack W2RYI who expounded at length to answer the questions of the crowd.

W2ZWP Jim Troe won the door prize - a high voltage capacitor donated by W2DAE Art Jinco

Refreshment were served by W2HIE & W2WZC in the form of ice cream & cookies.

The meeting was adjourned at 10:45.

The last person left the building at 11:15.

Respectfully submitted W2YTH



MORRIS RADIO CLUB

K2EMJ	ED PETERS	PRESIDENT
W2GM	MARK SUGARMAN	VP
WA2VQF	BILL LOFTUS	SECRETARY
NO2EL	NOEL SCHEFFEN	TREASURER

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WWW.MORRISRADIOCLUB.ORG



THE MORRIS RADIO CLUB IS AN ORGANIZATION OF AMATEUR RADIO OPERATORS WHICH HAS BEEN IN EXISTENCE FOR OVER SIXTY FIVE YEARS. AS A HOBBY, AMATEUR RADIO SERVES AS A PUBLIC RESOURCE FOR COMMUNICATIONS AS WELL AS AN EDUCATIONAL EXPERIENCE.

ALTHOUGH MANY WHO BECOME INTERESTED IN AMATEUR RADIO ARE INVOLVED IN AN ELECTRONICS RELATED FIELD, THE HOBBY APPEALS TO A WIDE VARIETY OF INDIVIDUALS.

THE MEMBERSHIP OF THE MORRIS RADIO CLUB IS A DIVERSE GROUP MADE UP OF MEDICAL, BUSINESS, EDUCATION, AND LAW ENFORCEMENT PROFESSIONALS, AMONG OTHERS, WHOSE COMMON INTERESTS ARE COMMUNICATION, EDUCATION, AND PUBLIC SERVICE.

HAMFEST CALENDAR

BARA Spring Hamfest

05/25/2019

Location: Westwood Regional Jr./Sr. High School

701 Ridgewood Road

Township of Washington, NJ 07676

Website: <http://bara.org>

OMARC Spring Hamfest

06/01/2019

Location: Spring Lake Heights Independent Fire Company No. 1

700 Sixth Avenue

Spring Lake Heights , NJ

Website: <http://www.n2mo.org>

W2QW Hamfest

06/15/2019

Location: Piscataway High School (Lots 11-12)

110 Behmer Road

Piscataway, NJ 08854

Website: <http://www.w2qw.org>