

Q-Match

WARREN AMATEUR RADIO ASSOCIATION

February

2009



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Radio History

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I found this interesting history information from the internet.

So, I want to share it with the WARA Club Members :



After much frustration, commercial FM radio was introduced in the USA in the late thirties at the frequencies of 42 - 50 MHz. In the early forties, RCA and other AM broadcasters realized that FM was going to accelerate. So, they petitioned the FCC to utilize another part of the RF band (82 - 108 MHz). The FCC eventually accepted this argument based on rather tenuous technical grounds. This made 400,000

radio FM sets obsolete. By 1946, the SECOND band launch of FM broadcast radio was established. Note – Edwin H. Armstrong (1890 – 1954) (who developed electronic RF 'wide-band' frequency modulation (FM)) had committed suicide at age 63, after the RCA President David Sarnoff destroyed his business and denied his patent income. Armstrong's surviving wife then continued to manage his ongoing business and patent legal proceedings, with some better success!

This is the first FM broadcast band (42 - 50 MHz) at the end of this band's existence:

- 42.1 WNYE
- 43.1 W2XMN/WFMN

- 43.9 WNYC-FM
- 44.7 W47NY (WGYN)
- 45.1 W2XWG (W51NY, WEA-FM)
- 45.5 W55NY (WFGG)
- 45.9 W2XQR (W59NY, WQXQ)
- 46.3 W63NY (WHNF)
- 46.7 W67NY (WABC-FM)
- 47.1 W71NY (WOR-FM, WBAM)
- 47.5 W75NY (WABF)
- 49.5 W95NJ (WAAW)

49.9 W99NY CP Frequency Broadcasting Co. (Thirteen available channels back then).

DETAIL: Armstrong conducted his first successful FM field test on June 9, 1934 - sending an organ recital, via both AM



Reminder

Warren Amateur Radio Association dues are due!

Please see our treasurer Betsy Williams KD8BIB at any club function or meeting

Or you can mail your payment of \$10.00 to

WARA

P.O. Box 809

Warren, Oh 44483

Desecheo DXpedition

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Six members of the February 2009 KP5 Desecheo DXpedition team met in Puerto Rico the week of December 17-21.

According to team co-leader Bob Allphin, K4UEE, the team visited US Fish and Wildlife Headquarters in Boqueron and met with the Chief Refuge Manager and law enforcement personnel in preparation for the DXpedition, set to start February 12.

Desecheo currently sits at number 7 on DX Magazine's Most Wanted list; the island is the second most-wanted DXCC entity in Asia and third most-wanted in Europe. Desecheo is a small uninhabited island in the Mona Passage, 14 miles off the western coast of Puerto Rico. It is part of the USFWS's national wildlife refuge system administered by the Caribbean National Wildlife Refuge Complex (CNWR).

"After an evening with local DXers and members of the Puerto Rico Amateur Radio League for din-

ner and a night of fellowship, DXpedition team members underwent U X O (unexploded ordnance) training," Allphin said. "On December 19, we accompanied US Fish and Wildlife law enforcement and UXO personnel to Desecheo Island. In the three hours we were there, the campsite and antenna fields were thoroughly swept for UXO and several areas were found suspicious. These areas were clearly marked, mapped by GPS and declared off limits for the DXpedition."

Allphin said that the USFWS will allow antennas on the ridge above the helicopter pad, providing a clear shot to Europe, North America and Japan. Other antennas will be located on the beach below the helicopter

pad. While on Desecheo, the team conducted a test for the 2 meter link to Puerto Rico.

"Logistics and staging of equipment is ongoing and will be complete before the team arrives in Puerto Rico on February 7," Allphin said. "The team will transit to Desecheo on February 12 to begin the two week operation. Eight HF stations, plus 6 meters, will be operational. We have planned an incredible array of antennas. Transportation and logistics have been arranged for a fast deployment and quick appearance on the air. As soon as we land on Desecheo, two stations will be immediately activated. Stations will continue to operate until the final mo-



Desecheo DXpedition

Continue from page 2

ments of departure on February 26."

Per USFWS rules, only 15 operators will be allowed on the island at one time. "We have arranged with USFWS to allow a shift change about half way through the DXpedition," Allphin told the ARRL. "This has allowed a number of hams on our waiting list an opportunity to participate in this DXpedition."

DXpedition co-leader Glenn Johnson, W0GJ, said the team will be running CW, SSB and RTTY on 160-6 meters. "We've had tremendous support from DX organizations all over the world and from

numerous equipment and antenna manufacturers," he told the ARRL. "We are diligently working on the propagation studies to reach our hard-to-work areas of Asia and Europe. This plus our planned antennas, we should knock Desecheo off of the Most Wanted List for a long time to come."

From ARRL Letter Jan. 9, 2009

Links for the above story:

<http://www.kp5.us/>

<http://www.fws.gov/caribbean/>

Article Headline

*Your Article Could
Have Been Here*

CLUB

Committees

Awards:

Christmas Party:

Field Day: K8OUA
and all WARA
Members

Net:

Program Director:
K8OUA

Property Custodians: KA8LCW historian, KC8PVB equipment

50/50: KD8BIB

Refreshments:

Sunshine (welfare):
KC8YHJ

VE exams:

Web Master:
KC8PVB

Public Information
Officer:: KC8VHC

Hamfest:

Repeater: KZ8T

Newsletter: Editor
KC8RAL

** KC8VHC,

** Jeannie

** Co-Chair

Net Coordinator

I never realized how many different types of area and local nets there are until I became WARA's net control coordinator. Just to name a few, there are trivia nets, training nets, good morning nets, traffic nets, ARES/ Skywarn nets, and of course club nets. Now to me one of the important reasons for these nets are to help show new amateurs how to handle check-ins and then

another is for members to show their support and interest in the various assets of the hobby. For instead, traffic nets are designed for amateurs to learn to send and receive ARRL formal traffic that is used when there is a disaster or emergency, such as Katrina in 2007 and the tornado that hit Newton Falls in 1985. Then there are the Skywarn nets that are activated by Nation Weather Service when bad weather moves into an area.

Now a local club net is one way for members and local hams get information about up-coming events. I know that WARA members check in to various nets and I am glad that they show their interest and support. But I am surprised that more of WARA's membership does not support their own clubs local net on the 146.970 repeater by checking in more often.

I as the clubs net coordinator; I have had the opportunity to work with some very interesting net operators over the last few years. I would like to thank those that have been WARA net control operators. Here us a list that have helped in the past;

Andy Shine N8YR, Roger Dean KC8VYS, Jackie Williams KD8DNE, Robert Meeker,



KC8QZR, Mark Cassidy KD8BIC, Lyle Rabbitts KB8OVA, Julie Morris KD8FVI, and Bob Maurer KC8PVB. Right now I have 3 operators who are doing a great job of keeping the net operational and

they are; Sherman Davidson KC8YHJ, Ed Shephard KC8URX and our newest operator still learning, Berry Fisher KD8EIT. And then we have a once a year net operator and that is Joe Wehner W8KNO and does the Santa Claus net .I would like to thank them all for the great job they have done while I was WARA's Net Control Coordinator. It has to say the least very interesting and a privilege to have worked with them. Thank you for your time and support.

Emily Wells KC8RAL

Net Control Coordinator

CLUB OFFICERS:

President: Dennis Carraher, N8IVE

V-President: Ray Solinger, N8HRZ

Treasurer: Betsy Williams, KD8BIB , treasurer@w8vtd.org

Secretary: Renee McCaman, KB8SVF

1st Yr. Trustee: Ed Shephard KC8URX

2nd Yr. Trustee Gary Grimes KB8GAB

3rd Yr. Trustee: Sherman Davidson, KC8YHJ

Radio History

Continued from page 1



Cranberry Meatballs

1 (16oz.) can jellied
cranberry sauce

1 (12oz.) bottle Heinz
chili sauce

1 (2 #) bag frozen, pre-
cooked, cocktail size
meatballs.

Combine sauces in a
large saucepan.

Cook over medium low
heat, stirring until
smooth.

Add meatballs. Cover
and cook for 15 min-
utes or until meatballs
are heated through,
stirring occasionally.

Makes 30 appetizer
servings.

NOTE: Can be done in
a slow cooker. Place
meatballs in the slow
cooker. Combine
sauces and pour over
meatballs. Cover and
cook 4 hours on high.

By Sue Wagner
KC8VHC

and FM, from an RCA tower on top of the Empire State Building.

Mr. Armstrong received and analyzed both the amplitude and frequency modulated signals of the recital broadcast. The AM signal contained a significant level of static; and the FM signal was virtually free of any noise! In 1938, Armstrong's FM station (W2XMN) was completed, and emitted around 40 KW from Alpine, New Jersey. He then commissioned the General Electric Company to make 25 FM radios for field-testing; and new commercial FM 'high fidelity' broadcasting rapidly became active! Over 76 different chassis by 24 manufacturers (of early FM model radio sets) existed. Radio manufacturers started 'jumping on the FM bandwagon' in 1940, including the General Electric Company, Stromberg Carlson, Meissner, and a few others. By 1942, almost all major radio manufacturers in the U.S. were making FM radios. Though, some, including Philco, were making them without an Armstrong license. RCA refused to make an FM radio until after the war; and they developed their own FM radio circuits to avoid being forced to obtain an Armstrong license.

Intentional covert plans:

During 1942, all consumer manufacturing came to a halt, as the U.S.A. 'geared-up' for the war. Both Armstrong and Sarnoff served within the U.S. war effort. Utilizing Armstrong's FM radio waves proved to be an advantage toward the American Armed-Forces, because our adversaries

were not technically able to 'jam' those particular RF waves. Around this time, Armstrong demonstrated that FM RF signals achieved moon bounce, which in turn, made evident that FM

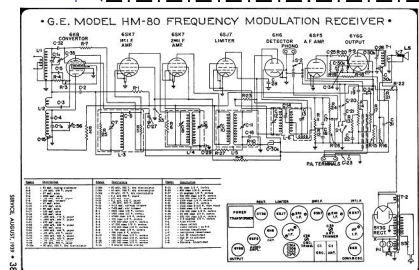
RF waves could penetrate through the Earth's ionosphere, and travel throughout outer-space.

FM broadcasting continued though the war ; though by 1944, RCA's General Sarnoff managed to convince the FCC to move the FM band from the 42-50 MHz band slot to 88-108 MHz, where it is located presently. This change made all FM radios created up to that point of time become obsolete! Captain Armstrong legally retaliated and managed to get the 42-50 MHz slot reinstated until 1949, so that there would be adequate developmental and manufacturing transition time for the new band to become established and functional. After the war, the manufacturing companies (who were licensed) produced new radios that included BOTH the old and new FM bands,

which included Zenith, Stromberg Carlson, Magnavox and General Electric. There were also several accessory frequency band converters manufactured, to enable the older 42-50 MHz single band FM radios to receive the new FM band : a few of these band converters operated rather satisfactory, but other ones were simply not satisfactory.

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Paper Chase

As you are or are not aware, the ARRL has declared 2009 the Year of the State QSO Party. In January, we had no State QSO Parties but it gets to a big bang in February with Vermont, Minnesota, Delaware, New Mexico, New Hampshire, Northern New York, Louisiana and the Mississippi QSO Parties. You might recall that the first HF contact made using the club call KD8CKP was to a station participating in the Mississippi QSO Party. This contact was made during the first FYAO event from Towner woods.

This year in addition of obtaining a certificate from the state QSO committee you also can obtain a special certificate from the ARRL. The ARRL has published the following information:

"Award Program Description

In recognition of the organizations that sponsor State QSO Parties and to encourage all hams to participate in these exciting on-the-air activities, The ARRL announces the Year Of the State QSO Party Award for 2009! This award is available to any amateur that makes a contact with stations participating in their own State or Regional QSO Party during 2009.

Similar to collecting US state quarters, the downloadable, 8-

1/2" x 11" certificate has blanks for state flag stickers from all fifty states. The stickers are available as a page of graphic images that can be printed on a sheet of standard labels, Avery label type 5160. As you make QSO's in each state, the appropriate flag is attached to the certificate, until all of the states have been worked.



You can download the Award Certificate as a PDF file. You type your Name and Call sign directly into the form. You can also download the Award Stricker Image sheet as a PDF file. Both of

these PDF files downloadable links can be found at <http://www.arrl.org/awards/ysqso>.

The page of state flag image stickers is designed to print correctly on a sheet of Avery 5160 labels. Each label is 1 inch by 2-5/8 inches. If you do not wish to purchase the sheet of labels, you can:

1. Print the page on white paper or
2. Print the page on a single sheet of adhesive backed paper.

Then cut the labels out manually and attach them to the certificate.

For a schedule of State and Regional QSO Parties, see WA7BNM's Contest Calendar Web site at www.hornucopia.com/contestcal/stateparties.html.

As of July 2008, no State or Re-

Paper Chase

gional QSO Parties are scheduled for Alaska, Iowa, Kansas, New York, North Dakota, or South Dakota. If your club would like to sponsor a QSO Party for any of these states, please contact contest@arrl.org for help with suggested rules and announcing the event.

After the final State QSO Party is held in November, a list of stations having worked all 50 states in either their state or regional QSO party will be posted here. No endorsements or recognition will be posted, only call signs in alphabetical order. To submit your call sign for the list, download the WAS application and fill it out, showing each QSO made during the year. Email the application to contest@arrl.org or mail it to Year Of the State QSO Party, ARRL, 225 Main St, Newington, CT 06111.

Year Of the State QSO Party Rules

1) A particular state flag sticker may be affixed to the certificate when a contact is made with that state during any of the following:

a) the State QSO Party for that state

b) a QSO Party for any region that includes the state

c) any contest sponsored by the ARRL or National Contest Journal after (a) and (b) has passed or if no such event is conducted during 2009

An SWL may claim credit for a state by logging a QSO by a station in that state during any of these events. It is preferred that contacts be made or logged during (a) or (b).

2) Following the contact, the applicant must submit a log containing the contact to the contest sponsor within the time limit specified by the sponsor. Any log format and submission method accepted by the sponsor will be satisfactory. Submitting a check log is acceptable for the purposes of this award.

3) All contacts must comply with the rules of the contest in which they are made.

4) Contacts can be made using any band, mode, or power level accepted by the contest sponsor. The applicant can self-endorse a particular style of operating as noted on the award's Web site.

5) Applicants that submit a written list showing that all QSO's for the award were made solely during state or regional QSO parties will be listed on the Year Of the State QSO Party Web site.

6) All contacts must be completed between 0000Z on 1 Jan 2009 and 2359Z on 31 Dec 2009."

Contesting will be fine in 2009!

Joe - W8KNO

Article Headline



**Your article could
have been here**

Incidentally, the old obsolete 42-50 MHz FM radio band was meant

to be allocated to television channel selection # 1. That is the reason why the TV channels start at selection number 2.

Submitted by Greg Novach ~73!

Schedule of Events

- February 2nd ...Brunch.. West. Farmington Senior Center 10:30 AM
- **February 3rd ...WARA Meeting**, First United Methodist Church ,7:30 PM
- February 9th ...Brunch.. West. Farmington Senior Center 10:30 AM
- February 12th... Lincoln's Birthday
- **February 14th... Valentine's Day**
- February 16...Brunch.. West. Farmington Senior Center 10:30 AM
- **February 16th... President's Day**
- **February 17th ... WARA Meeting** , First United Methodist Church, 7;30 PM
- February 21st ...Breakfast, Wayside Restaurant... 9 AM
- February 22nd... Washington's Birthday
- February 23rd... Brunch.. West. Farmington Senior Center 10:30 AM
- February 25th... Ash Wednesday

February 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 WARA Meeting	4	5	6	7 Breakfast
8	9	10	11	12	13	14 Valentine's Day
15	16	17 WARA Meeting	18	19	20	21 Breakfast
22	23	24	25	26	27	28

WARA's 2 M net every Wednesday night on 146.970 at 9pm

WARA Net Schedule

Not sure of net schedule,

Net schedule is subject to change without notice



www.kc8pvb.com
(mirror site)
www.w8vtd.org
(under construction)

WARREN AMATEUR RADIO
ASSOCIATION
P.O. BOX 809
WARREN, OHIO 44483

Club E-mail's ;
President:
Secretary/Editor:
Hamfest Chairperson:
Sunshine/Sick:
nooch5@aol.com
Activities:
PIO (Public Information Officer):
sweetannie62@neo.rr.com

Founded In 1938, The W.A.R.A. Has Been An Anchor For Amateur Radio Enthusiast Throughout North East Ohio. For The Past 70 Years We Have Encouraged Young And Old Alike To Enjoy Themselves While Participating In An Interesting And Truly Wonderful Hobby. We Hope That You Too Will Find Yourself Swept Up In The Spirit Of Ham Radio

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