

The
W5ES
 BULLETIN
 The El Paso Amateur Radio Club
December 2018
 A 501 c (3) Organization



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W5ES BULLETIN IS PUBLISHED MONTHLY BY THE EL PASO AMATEUR RADIO CLUB
 2100 SAN DIEGO AVE. EL PASO, TX 79930-1320.

REMEMBER - IT'S NOT THE CLASS OF LICENSE THE AMATEUR HOLDS, BUT THE CLASS OF THE AMATEUR THAT HOLDS THE LICENSE.

PRESIDENT'S CORNER

This will be my last message to you, my fellow HAM's. Mary, WB5UNG will assume the duties of Club President on January 1st. I hope everyone will continue to support her as you have me. I will continue in a supporting role.

December is here again! I hope everyone had a happy Thanksgiving. As I understand it, the Club Thanksgiving dinner was a huge success. Robert Moses KA5OXC donated the turkey and Mary Emert WB5UNG did us proud with its preparation with all the trimmings. A big thanks also to all those who provided other food and helped with decorations, etc. I was unable to attend because I was back in my Massachusetts hometown speaking at the re-dedication of a memorial to my grandfather and other WWI veterans.



According to reports, the 10m band was deader than last year's Christmas fruitcake! With the promising solar report, I thought we might do better this year. Ultimately, the WAE contest produced no contacts. Being away, I did not participate.

Our annual Christmas festivities will be on Friday December 14th, at 6pm. Turkey, ham, mashed potatoes & gravy will be provided. All attendees are requested to bring your favorite side dish or dessert. Like Thanksgiving, we request a food donation in lieu of the usual monetary donation that will be given to the El Paso Rescue Mission. A gift exchange will be held. Please limit gifts to \$20.00 or less and make them suitable for either men or women. We have no way of knowing who will attend!

Our December VE session will be on Saturday the 1st. Come on down and test for your license or upgrade your present one.

I wish everyone best wishes for the holiday season. A very Merry Christmas to you and yours. I hope we can always remember the reason for the season.

Merry Christmas,

Paul K1DPR

Visit us on the web: www.qsl.net/w5es

DEC Bulletin

In November 2013 the Winlink Development Team (WDT) released its next generation of Winlink 2000 (Email via Amateur Radio). The hybrid system design marked a major milestone in Winlink's growth with higher reliability and performance.



The hybrid system fully meets the Department of Defense Instruction for radio-only message transfer without the use of the Internet. The hybrid system still takes advantage of the Internet as long as it is available, but when the Internet connection is lost the system can still provide end-to-end email delivery.

At the present time a client connected to a Radio Mail Server (RMS) that is connected to the Internet is piped directly through to a Common Message Server (CMS). Now with the hybrid system if the Internet is lost the RMS will look for a neighboring RMS and deliver the email to that server. The new server will then deliver the email via the Internet. If that RMS doesn't have Internet either it will do the same and look to its neighboring RMS. Each RMS can determine the calculated path to the destination Message Pickup Station (MPS). The MPS is an RMS gateway the user chooses to use to have routine radio-forwarded messages delivered to for pickup. The user can designate up to three MPS'.

The path for message forwarding is calculated at each RMS. The forwarding network is much like a mesh network. Self-initiating, self-healing like the Broadband Hamnet network.

What makes this hybrid system valuable in disaster conditions is that it automatically forwards message from RMS to RMS with minimal network infrastructure. By using HF we can deliver a message with fewer relay stations. The system optimizes delivery time end-to-end.

The FCC amateur rules confine automatic station to a very narrow shared sub-band space. USA hybrid RMS stations are not allowed to use the automatic, unattended sending. RMS Relay will notify the operator that it has messages to be forwarded manually. The operator will have to manually check to

see that the frequencies are clear before manually sending the messages.

Hybrid RMS stations outside the jurisdiction of the FCC may run fully automatic. So, the worldwide network will route the message to our Canadian or Mexican RMS stations across North America. Despite these restrictions the latency of end-to-end delivery is not compromised. Latency remains 1 to 2 minutes.

So, with or without the Internet amateur radio operators will still be able to deliver a message in a timely, accurate and efficient manner using the digital mode. Also take a look at the Nov. 21, 2018 issue of the ARES® E-Letter (<http://www.arrl.org/ares-el?issue=2018-11-21>), "How to send E-mail to a Disaster Area via WINLINK" by Gordon Gibby, KX4Z.

Questions and comments are welcome and encouraged regarding the content of this article. Send an email to the address shown below.

Lew Maxwell, KB5HPT

DEC, District 6 – Far West Texas

Email: kb5hpt@arrl.net

Welcome New Officers!

On January 1, 2019 our new officers will be:

President	Mary Emert	W55UNG
Vice President	Robert Moses	KA5OXC
Secretary	Paul Roberts	K1DPR
Treasurer	Pete Hensgen	KB5HTF
Trustees:	Greer Craig	KA5VQN
	Keith Amspaugh	WD4ISK

Let's get behind and support our new officers and participate actively in amateur radio this coming year!

Birthdays in December

Mike Rooney	W7ANA	Dec 1
Jan Carrick	KA5ZOO	Dec 12
Pete Hensgen	KB5HTF	Dec. 13
Paul Roberts	K1DPR	Dec. 18
Richard Crespo	N5ZRE	Dec. 19
Mark Conlon	W5MZD	Dec. 26

Radio Merit Badge Nov 3rd at WTC

Clay Emert and Paul Wilson volunteered to teach a Radio Merit Badge class at Western Technical College on November 3rd. Two scouts successfully completed the 8-hour course and completed a radio contact to earn their badge.

WAE Contest Nov 3rd & 4th

New President, Mary Emert WB5UNG worked the 10m airwaves on Saturday with little luck to contact other hams outside of El Paso County for the annual Worked All El Paso contest. If other El Paso Hams were more successful, please submit log entries to EPARC 2100 San Diego St. El Paso, Tx 79930 by November 30, 2018. Any Winners will be announced in January 2019.

Christmas Dinner Dec 14 6:00 PM

The club Christmas Dinner will be held Friday, December 14 at 6:00 PM Canned/ non-perishable food items will be collected for The El Paso Rescue Mission. Gift exchange for "Him" or "Her" less than \$20 for those interested.

Repeaters

The W5ES repeater frequency is 443.150 MHz with a positive 5MHz offset and CTCSS tone of 173.8 Hz. The Repeater will handle analog and C4FM digital.

Our WIRES-X Node number is 11584

Our WIRES-X Room number is 21584

W5ES Members have several repeaters active at the club house and on the Eastside of El Paso as follows:

KE5OIB - 147.360 +Offset PL 192.8 with Club Announcements

KE5OIB - 444.750 + offset, PL 192.8 with Club Announcements

N6TOC - 444.375 + offset, PL 100 with Club Announcements & ECHOLINK, node-2975

FOR SALE

The W5ES Bulletin accepts ads to sell radio equipment from club members and sponsors at no charge. Contact the editor at (915) 253-4952 or Email to Oldwils@gmail.com.

**YAESU G-450A LIGHT DUTY - 360 DG 10 SQ. FT
WITH ROTOR CABLE - USED - VERY GOOD SHAPE
WITH ROTOR CABLE & CONNECTORS**



\$ 150.00

Call Clay (915)859-5502 cemert@elp.rr.com

DECEMBER 2018

COMING EVENTS CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 VE SESSION W5ES 2100 San Diego 9:00AM-12:00PM
2	3	4 Border Chorders Rehearsal 7:00 PM	5	6	7 7:00 PM KSWPH meeting 3709 Wickham	8
11	10 Keep El Paso Beautiful Mtg. 5:00 PM	11 Border Chorders Rehearsal 7:00 PM	12	13	14 W5ES 6:00 PM Christmas Dinner	15 QCWA 11 AM Christmas Party Golden Corral Transmountain
18	17	18 Border Chorders Rehearsal 7:00 PM	19	20	21 7:00 PM KSWPH meeting 3709 Wickham	22
23/30	24/30	25/31 CHRISTMAS DAY	26	27	28 W5ES <u>No Meeting</u>	29



El Paso Amateur Radio Club
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El Paso, Texas 79930