



# KARS KEY KLICKS



JOURNAL OF THE KANKAKEE AREA RADIO SOCIETY

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Editors: K9QT, K9NR, N9IO  
Photos: K9QT, K9NR, NV9L, WB9Z  
Contributors: NV9L, WB9Z

February 2017

## “How Antennas Work” at February Meeting

The next KARS meeting will be held on Tuesday, February 7th, at 7 P.M. in the first floor meeting room of St. Mary's Hospital.

Following a brief business meeting, there will be a video presentation on how and why antennas work. Everyone can gain from this program. See you there!



### WB9Z & NV9L

#### “ON THE ROAD AGAIN!”

Jerry WB9Z and Val NV9L found time in their busy schedules to wing on down to KP4-land for the ARRL Puerto Rico State Convention. Val was invited to do her [Ham Nation program from the world famous Arecibo Observatory...](#) the largest Radio/Radar Astronomical Telescope in the world (the new radio telescope in China has a slightly larger reflector but covers a smaller section of the sky and is incapable of doing radar observations). And yes, this is the installation that was featured in the James Bond movie Golden eye and the Jody Foster movie Contact.

Be sure to check out page two for more info and stunning photos!

### HAPPY BIRTHDAY

February 3	K9XI
February 4	K9QT
February 8	KM9Z
February 11	N9ETT
February 14	KC9QXV
February 14	K9BAC
February 15	NI9H
February 20	N9LYE

Let the newsletter editors know if we miss your birthday or get it wrong.

### The December meeting program on the DXpedition to Montserrat

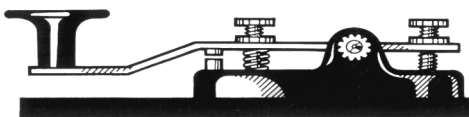
### KARS KALENDAR

Feb 7.....	<a href="#">KARS General Meeting</a>
Feb 11-12.....	<a href="#">CQ World Wide WPX RTTY</a>
Feb 18-19.....	<a href="#">ARRL International DX CW</a>
Feb 21.....	<a href="#">KARS Board Meeting</a>
Feb 24-26.....	<a href="#">CQ 160 Meter SSB</a>
Feb 25.....	<a href="#">NAQP RTTY</a>
March 5.....	<a href="#">Sterling/Rock Falls Hamfest</a>
March 4-5.....	<a href="#">ARRL International DX SSB</a>
March 7.....	<a href="#">KARS General Meeting</a>
March 18-20.....	<a href="#">BARTG RTTY</a>
March 21.....	<a href="#">KARS Board Meeting</a>
March 25-26.....	<a href="#">CQ World Wide WPX SSB</a>

*The Kankakee Area Radio Society operates repeaters on:*

146.34/.94	107.2 PL Access
449.8/444.8	100.0 PL Access
145.130	107.2 PL Access

*Additionally, KARS sponsors:*  
144.39 Wide Area APRS digi-peaters  
KARS DX Cluster [w9az.ddns.net](#)  
Visit us on the web at [www.w9az.com](#)



# W9AZ

### EXAM SESSION

The next exam session will be Wednesday February 22nd at 6-8PM. N9RJM has arranged for a room at the Bradley Moose Lodge on Rt. 50. All classes of license exam will be available. Walk-ins welcome.

For further info: Carl Schroeder K9CS

[kn2qzr@gmail.com](mailto:kn2qzr@gmail.com)

-or-

Roland Hertz N9RJM

815-263-2683

[n9rjm@hotmail.com](mailto:n9rjm@hotmail.com)

### 2017 DUES ARE DUE

If you were unable to pay your dues at the annual Banquet, be sure to get them to Kevin KC9QXV at the earliest opportunity. Either in person at the meeting or mail to:

Kevin Mansberger  
1346 W Cap Circle  
Bourbonnais, IL 60914

Dues remain unchanged:

Regular:	\$30
Family:	\$40
Student:	\$15
Senior:	\$15
Disabled:	\$15

Active military dues are waived

### NCS FOR FEBRUARY

The net meets every Monday at 2000 hours local time on the 146.34/.94 OR 145.130 backup repeater. All stations with or without traffic are invited to check in.

February 6	N9RJM
February 13	KD9CGC
February 20	N9OE
February 27	K9KSG

[Don't forget the net!](#)

Mondays at 2000 hrs. local time

*It's time to plan your Dayton agenda!*

# KARS HOMEPAGE— WWW.W9AZ.COM —KARS HOMEPAGE



All star cast from left to right...

**Jerry Rosaluis WB9Z** renowned DXer/  
Contester

**Val Hotzfeld NV9L** Ham Nation star

**Dr. Joe Taylor K1JT** Nobel Laureate in  
Astrophysics, Dean of Faculty Emeritus,  
Princeton University

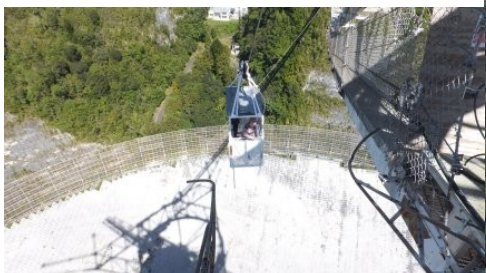
**Angel Vazquez WP3R** Director of Tele-  
scope Operations, Arecibo Observatory



KARS members  
NV9L and WB9Z on the go!  
Many thanks to Val & Jerry for the pics!



**Jim Breakall WA3FET** Professor at Penn State  
Designer of the OWA Yagi being interviewed by Val  
NV9L and Jerry WB9Z in the Arecibo Control Room



That's Val NV9L in the basket taking  
the ride from the antenna feed  
back to the ground



## The incredible Radio/Radar Astronomy in Arecibo, Puerto Rico

The dish is slightly over 1,000 feet across. The antenna feed,  
weighing over 900 tons is suspended by cables nearly 500 feet in the air.  
It was from this antenna feed assembly that Jerry and Val took photos and videos.

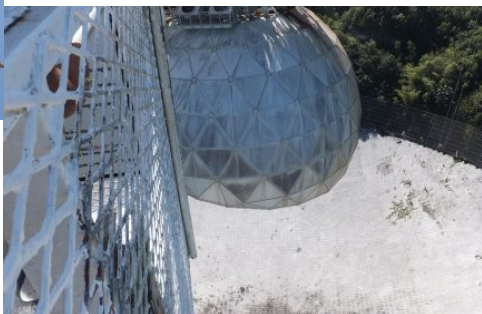


Left & Right Photos  
Views of the 900 ton antenna  
feed system from beneath



Right Photo

View of the Gregorian feed dome from  
above with the reflective dish below  
Photos courtesy of WB9Z & NV9L



Be sure to check out Ham Nation  
episode [284 from January 25th](#)  
on YouTube with video on the KP4  
Convention and Arecibo with Val NV9L  
and Jerry WB9Z. Also featured is  
ARRL's Sean Kutzco with NPOTA.  
[65 min]

Ham Nation is on the web at  
<https://twit.tv/shows/ham-nation/>



## A collage of pictures from the informal New Years Eve dinner



The very popular KARS New Years Eve Dinner has become a must do for most active KARS members. We reserve the banquet room at El Mexicanos. Beyond that it is a no reservation, order off the menu event. If you are not the party animal type but still want to have dinner on NYE with friends, this is for you!



# Hope you were there!

### KARS ELECTION RESULTS

KARS 2016 election of officers was held at the December meeting.

The results were:

President	Don K9NR
Vice President	Rollie N9RJM
Secretary	Ed W9EJM
Treasurer	Kevin KC9QXV
Director	Carl K9CS
Director	Craig N9FD
Director	Billie K9QT
Director	Clay N9IO
Director	Bill N9OE

### KARS KONTEST KORNER

KARS members have been very contest radio-active recently. Local callsigns appearing in and/or submitting logs include:

NV9L, WB9Z, K9NR, W9IE, K9FO, K9CS, N9IO, NI9H, N9RJM, W9KVR and N9LYE. My apologies to anyone I missed. Don't be shy, jump in and have fun.

Upcoming events include:

February 4-5	<a href="#">Vermont QSO Party</a>
February 11-12	<a href="#">CQWW WPX RTTY</a>
February 18-19	<a href="#">ARRL DX CW</a>
February 24-26	<a href="#">CQWW 160 SSB</a>
February 25	<a href="#">NAQP RTTY</a>
March 4-5	<a href="#">ARRL DX SSB</a>
March 11-12	<a href="#">Idaho QSO Party</a>

All Modes/All Bands
RTTY only/80M-10M
CW only/All Bands
SSB only/160M only
RTTY only/80M-10M
SSB only/All Bands
All Modes/All Bands

### MEETING PROGRAMS

If you have an idea or a suggestion for an interesting program, please let Don K9NR or Rollie N9RJM know.

A good program really makes for a good meeting! So what's your idea for a good program?

### BOARD MEETING

The next [KARS board meeting](#) will be held on Feb. 21st in the banquet room at **El Mexicanos Mexican Restaurant on Riverstone Parkway off the 308 I-57 exit.**

All KARS members and spouses are welcome to attend.

Eat at 6:00. Meet at 7:00

### ARTICLES NEEDED

KARS newsletter is only as good as the articles submitted by KARS members. Let us know what you are up to. Send us a picture and/or a few words.

Please send as an attachment using MS Word, Word Pad, etc. Email texts can embed difficult formatting characters.



# 2017 KARS HOLIDAY BANQUET

Good Food, Good Fun, Nice People!

