

# VALLEY HAM NEWS

January 2016

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**Y-S ARC Web Page:** <http://www.ysarc.org>  
**Y-S ARES Web Page:** <http://www.ysares.org>

**P.O. Box 1169**  
**Yuba City, California 95992**

**January 2016**

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Webmaster: Ted Herman, KN6TED  
Chris Price, KD6CP

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## **CLUB OFFICERS**

Pres.: Chris Price, KD6CP  
Vice Pres.: Eleanor Knox, KI6CSO  
Secretary: Linda Maas, KK6SOZ  
Treasurer: June McJunkin, N6JEY

## **BOARD OF DIRECTORS**

Ron Murdock, W6KJ  
Kathy Burns, N7WVW  
Manna Whelcher, KA6ETB  
Matthew den Hollandar, AC6MF  
Lester Allan, KK6SYV  
Herb Pucket, W6HBU

## **REPEATER TRUSTEE**

Dave Gartner, WD6AXM

## **LIAISONS**

ARES: Steve Sweetman, K6TAZ  
ARRL SM: Carol Milazzo, KP4MD  
VE Liaison: LeRoy Smith, KJ6DKM

## **UPCOMING EVENTS**

04 Jan – 29 Feb, Technician Class,  
American Red Cross Classroom 1,  
Monday and Wednesday, 6:30-8:30  
P.M.

02 Feb – 7:00 P.M. General Club  
Meeting, Marysville Library

06 Feb – 9:00 a.m to 5 P.M., GEARS  
technician ham cram.

16 Feb – 6:00 P.M. Board Meeting,  
American Red Cross

01 Mar – 7:00 P.M. General Club  
Meeting, Marysville Library

05 Mar – 9:00 A.M., VE Test, 715  
King Ave. Yuba City

15 Mar – 6:00 P.M. Board Meeting

05 Apr – 7:00 P.M. General Club  
Meeting, Marysville Library

18 Apr – Bike Around the Buttes

18 Apr – 6:00 P.M. Board Meeting,  
American Red Cross

03 May – 7:00 P.M. General Club  
Meeting, Marysville Library

07 May Mar – 9:00 A.M., VE Test,  
715 King Ave. Yuba City

14 May – 6:00 P.M. Board Meeting,  
American Red Cross

Monday nights at 7:00 P.M. – weekly

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net (146.085+) PL 127.3 with swap shop and help sessions.

Monday nights at 8:00 P.M. – Butte County ARES net, 145.280 MHz – offset, PL 110.9

Tuesday nights at 8:00 P.M. – GEARS Club net, 146.850 MHz – offset, PL 110.9

Thursday nights at 7:00 P.M. – weekly ARES net.

Third Thursday of each month at 7:30 P.M. – the ARRL Sacramento Valley Section (VHF) Net, on club repeater followed by an HF Net on 3987 KHz LSB.

Other nets (From the GEARS Radiator Newsletter)

Sac Valley Net, 7:00 P.M., 2nd Wed of the month 146.850 MHz – offset, PL 110.9

440 Wed. Night Net, 8:00 P.M. each Wednesday, 440.650 MHz.

Golden Bear Net, 7:00 P.M. daily 3975 kHz.

Willie net, 8:00 P.M. Mondays, 1930 kHz.

CA Traffic Net, 3906 kHz nightly at 6:00 P.M. for traffic listing and 6:30 P.M. for roll call.

Club repeater: 146.085 MHz out, 146.685 MHz in, PL 127.3

activities to the schedule. I would love to see more events added; however, that means more involvement is required! Too those who have donated your time for the growth of our hobby thank you. As your president for 2016 I will do my best to serve the club and make it grow; however, It can't happen if the membership does not support the club. So remember I can only do as much as the membership wants.

Bike around the buttes will be April 16, and we are looking for volunteers for the event. The next general meeting will be held at the Yuba County Library at 7pm and Steve (K6TAZ) will be presenting on emergency preparedness and ARES. It is a good topic for our wet winter and upcoming spring. The next board meeting will be at the Red Cross on the 16<sup>th</sup> of February at 6:00pm. All are welcome to come to a club board meeting. If you have any ideas for the club, would like to volunteer, or just a complaint, please let me know or any board member know. Let's make this club something that you can be proud to call yourself a member

Your 2016 president,  
Chris Price (KD6CP)

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## ***PRESIDENTS COMMENTS***

Calling all Volunteers! The club is need of people to step up and manage upcoming events for the club. Without your support the club can not add more

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## ***CLUB STORE***

The club has the following items available for purchase at cost.

1. Marine grade white RG8X coax, 13 feet. Cost is \$0.41/foot.
2. RG8X Black coax, 184 foot reel. Cost is \$0.41/foot.

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3. PL295 coax connectors, 55 each.  
Cost is \$1.99 each.

4. RG8X reducers, 38 each. Cost is  
\$0.69 each.

5. Power Pole connectors, 119 red/  
black pairs. Cost is \$1.00 per pair.

6. 12 gauge red/black wire for  
power connections, 25 feet. Cost is  
\$1.00/foot.

7. Coax wrap, 2 rolls. Cost is \$4.00  
per roll.

8. LMR 400 coax, 40 feet. Cost is  
\$0.90/foot.

9. RG8X strain relief boots, 14 each.  
Cost is \$0.50 each.

If you are interested in purchasing  
any of these items contact the club store  
manager, Curtis (KF6VFP) at (530) 743-  
3003, on the air, or at one of the club  
meetings.

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## **MEMBERSHIP RENEWAL**

It is getting to be that time of year  
again when we remind everyone to  
renew their membership for 2016.  
Application form for renewal is available  
on the club website.

[ysarc.org/index.php/join-now](http://ysarc.org/index.php/join-now).

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## **VE TEST**

The next VE session will be 5 March  
at 715 King Ave., Yuba City at 9:00 A.M.  
VE's are needed to administer the

exam. The elements for Technician,  
General and Extra class will be offered.  
If you are planning on taking an exam  
you will need two forms of ID, at least  
one of them must be a picture ID. A fee  
of \$15.00 is required. A calculator may  
also be used as long as it has had all of  
its memories cleared and there are no  
built in or preprogrammed formulas.

If you are upgrading to a higher class  
you need to bring your license and a  
photocopy of the license.

If you take an exam and pass, you  
can take the next higher class exam for  
no additional cost. If you do not pass  
and wish to try again an additional fee  
will be required.

Good luck to all who are taking  
exams.

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## **Rare DX for N. Korea (DPRK) Set**

"Official" P5/3Z9DX North Korea  
Activation Now Set for this Summer

Following an unexpected  
"demonstration" operation from North  
Korea – officially the Democratic  
People's Republic of Korea (DPRK) –  
just before Christmas, Polish DXer Dom  
Grzyb, 3Z9DX, now expects to be back  
in the DPRK – the most-wanted DXCC  
entity – for his "official" activation by late  
this summer, according to The Daily DX.  
He initially had anticipated returning this  
month or next.

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Dom Grzyb, 3Z9DX, in Pyongyang, DPRK.

P5/3Z9DX showed up on the air from the most-wanted DXCC entity on December 20 and 21 to demonstrate Amateur Radio for North Korean officials. Over the course of that activation – the first in more than a decade – P5/3Z9DX made nearly 785 SSB contacts, most of them on 15 meters. Nearly 600 of the contacts were with stations in Asia; P5/3Z9DX worked just 26 stations in North America. He has posted his log on ClubLog.

Grzyb recently contacted The Daily DX Editor Bernie McClenny, W3UR, to update his situation. During his visit, authorities were friendly and polite, McClenny reported, noting that he was also surprised that they allowed him to operate in December. P5/3Z9DX was severely hampered by extremely high noise levels on all HF bands, not to mention a geomagnetic storm. Noise, he said in a video posted on his website, made it "almost impossible" to copy weaker signals in Pyongyang.



High noise levels in Pyongyang hampered the ability of P5/3Z9DX to copy weaker signals. [3Z9DX video clip]

When he goes back to the DPRK this summer, he will be operating from a far quieter location in a rural area, Grzyb told The Daily DX. While operating from North Korea in December, P5/3Z9DX was running 100 W to a vertical antenna mounted on a metal fence post some 7 feet above the ground among government high-rise buildings. His equipment was left behind in Pyongyang, as was agreed to before his December visit. The P5/3Z9DX preview was the first activation from North Korea since the 2001-2002 operation by Ed Giorgadze, 4L4FN. – Thanks to OPDX, The Daily DX

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## **FEBRUARY GENERAL CLUB MEETING**

Steve Sweetman (K6TAZ), the Yuba-Sutter ARES coordinator, will be our guest speaker.

We will meet on Tuesday, Feb. 2, 2015, 7:00 p.m. at the Yuba County Library.

This is prize month! The grand prize

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is a \$50 gift certificate from HRO.  
Tickets are \$1 each or six tickets for \$5.

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## **TECHNICIAN CLASS**

The club is sponsoring a technician class. Classes are being held at the American Red Cross Center, 2125 East Onstott Frontage Road, Yuba City, Classroom 1 from 6:30 to 8:30 p.m. Monday and Wednesday evenings from Jan 4<sup>th</sup> thru Feb 29<sup>th</sup>.

We had 10 individuals sign up for the class. To date 5 have attended regularly and 1 new person came on 18 January to join the class.

This is a sharp class and they are going through the lessons faster than I expected.

Curtis, K6VFP

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## **TECHNICIAN, GENERAL AND EXTRA CLASS QUESTION POOL REVIEW**

From the Technician Class question pool:

T3A09 Which of the following results from the fact that skip signals refracted from the ionosphere are elliptically polarized?

- A. Digital modes are unusable
- B. Either vertically or horizontally polarized antennas may be used for transmission or reception

- C. FM voice is unusable
- D. Both the transmitting and receiving antennas must be of the same polarization

The correct answer is B. Since the received signal is elliptical (a combination of both horizontal and vertical polarization). Thus almost any antenna may be used to transmit or receive signals.

From the General Class question pool:

G9D11 Which of the following is a disadvantage of multiband antennas?

- A. They present low impedance on all design frequencies
- B. They must be used with an antenna tuner
- C. They must be fed with open wire line
- D. They have poor harmonic rejection

The correct answer is D. Since the antenna is designed to receive and transmit on multiple bands it will happily transmit any harmonic that falls within a band it is designed for. Hence, it is the operator's responsibility to insure his radio does not transmit harmonics out of band.

From the Extra Class question pool:

E9B02 In the antenna radiation pattern shown in Figure E9-1, what is

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the front-to-back ratio?

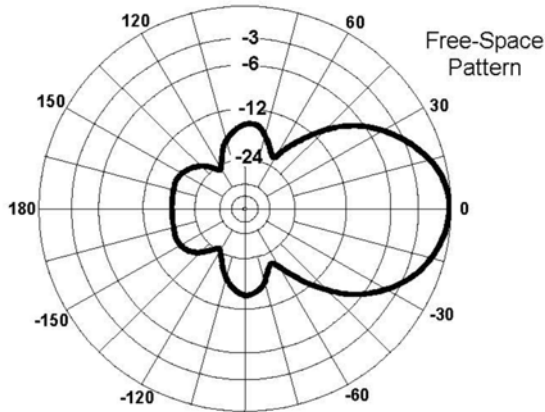


Figure E9-1

- A 36 dB
- B. 18 dB
- C. 24 dB
- D. 14 dB

The correct answer is B. You can determine the front-to-back ratio by reading the value at 180° from the main lobe. Looking at figure E9-1 the main lobe maximum is at 0°. At 180° the lobe crosses the 180° lines halfway between 24 dB and 12 dB circles. Hence the ratio is 18 dB.

Curtis (KF6VFP)

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## EDITORS COMMENTS

A New Year has begun and a new year of club meetings and activities. You are the club. You are what makes or breaks the club. We need members to volunteer to be a committee chair/

member. We need hams to step up and give a presentation at a club meeting. We need your ideas for activities, presentations, etc.

What types of activities would you like to see: an antenna class, soldering class, BBQ, potluck social, or fox hunt? What types of presentation would like to see: stealth antennas, how to find and solve RFI problems, DRM, propagation, Smith charts?

While I am thinking about it – what types of articles would you like to see in the VHN? Make a suggestion or send us an article you would like printed. Articles in the body of an email or in Microsoft Word format are acceptable. Our email addresss is on the first page.

Let's make this a year we all will remember. Let's have fun.

Curtis (KF6VFP)

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## COMMITTEE CHAIRS NEEDED

We need volunteers as committee chairs for events this year. Chairs needed:

Bike Around the Buttes - April 2016.  
BATB is less than three months away!

Field Day - June 2016

CA QSO – Oct 2016

Veterans Day Parade - Nov. 2016

Nominating Committee - Nov. 2016

Christmas Party – Dec. 2016

Others you can think of and suggest

Remember, these events are what make this club fun. Your participation is

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necessary. The board and officers cannot do it all. Contact any club officer or board member to volunteer.

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## ***HAMS TURN OUT TO HELP AS MASSIVE SNOWFALL HITS SEVERAL STATES***

On January 23-24, 2015 Ham Radio volunteers from New England to the South were on stand-by as massive snow storm blanketed the East.

For further information:

<http://www.arrl.org/news/hams-turn-out-to-help-as-massive-snowfall-stuns-several-states>

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## ***CLUB TRAILER***

The club trailer is in need of some maintenance. Repairs to the wiring are needed, connectors need to be replaced, and the antenna crank needs repair.

Please let any board member or club officer know if you are willing to help.

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## Yuba Sutter Amateur Radio Club Board of Directors Meeting Minutes of December 15, 2015

The Board of Directors of the Yuba Sutter Amateur Radio Club meeting for the month of December was held at the Red Cross building on Tuesday, 12/15/2015 at 6:00 PM.

The meeting was called to order by President Dave Gipson (KC9EI).

Dave Gipson (KC9EI) led the Pledge of Allegiance.

### **Officers and Board present were:**

President Dave Gipson (KC9EI), Vice President Ted Herman (KN6TED), Secretary Jo Anne Murdock (N6YLO), Treasurer June McJunkin (N6JEY), Board Members: Don Elder, Jr. (KC6PPX), Chris Price (KD6CP), Bob McClard (N6BOB), Kathy Burns (N7WVW),

### **Officers and Board Members Absent Were:**

Board Member Emeritus Herb Puckett (W6HBU) and Honorary Board Member Dave Gartner (WD6AXM), Board Members: Mike Sangria (AG6IP).

### **Guests introduced were:**

Ron Murdock (W6KJ), VHN Editor Curtis Sylvester-Jose (KF6VFP) Prize Co-Chair Marsha Sylvester-Jose (KI6CSN), Les Allen (KK6SYV), Matthew Den Hollander (AC6MF), Linda Maas (KK6SOZ), Leroy Smith (KJ6DKM), Udell Smith, Eleanor Knox (KI6CSO), Manna Welchel (KA6ETB), Dave Wainer (WA1NER).

### **Officers Reports:**

#### **Secretary's Report:**

The minutes of the October 20, 2015 board meeting were presented by Secretary Jo Anne Murdock (N6YLO). Motion to accept, Don Elder, Jr. (KC6PPX), Chris Price (KD6CP), passed. November board meeting was not held due to lack of a quorum.

#### **Treasurer's Report:**

The Treasurer's report was presented by Treasurer June McJunkin (N6JEY). Motion to accept: Chris Price (KD6CP), Bob McClard (N6BOB), passed. A \$100 field day donation was received from Bob and Jeanne McClard. A \$20 repeater donation was received from Alan Padgett (N6RNP).

### **Correspondence:**

New member applications were received from Gary Gullett and Tim Stottlemeyer. Motion to accept, Don Elder, Jr. (KC6PPX), Chris Price (KD6CP), passed.

### **Committee Reports:**

#### **Monday Night Net: Ted Herman**

Volunteers are needed to fill in, and for training purposes.

**VE:** The next VE session will be 01/02/2016.



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**Election Results:** The following members have been elected to positions for the 2016 year:

President: Chris Price (KD6CP)

Vice President: Eleanor Knox (KI6CSO)

Secretary: Linda Maas (KK6SOZ)

Treasurer: June McJunkin (N6JEY)

Board Members:

Ron Murdock (W6KJ)

Les Allan (KK6SYV)

Kathy Burns (N7WVW)

Manna Whelchel (KA6ETB)

Matthew Der Hollander (AC6MF)

## **Old Business**

### **New Business:**

**Motion:** Donate \$100 to LeRoy and Udell's son for playing Santa Claus at the Xmas Party. Chris Price (KD6CP), Kathy Burns (N7WVW), passed.

A discussion was held concerning new membership options for participants of the club ham radio classes.

**Motion:** Free membership will be extended for the current year to participants of the ham radio classes who have been awarded completion certificates. Bob McClard (N6BOB), Don Elder, Jr. (KC6PPX), passed.

### **Club activities:**

Ham Classes: Curtis Sylvester-Jose (KF6VFP) announced that Technician classes will be held during January and February on Monday and Wednesday nights at 6:30 at the Red Cross.

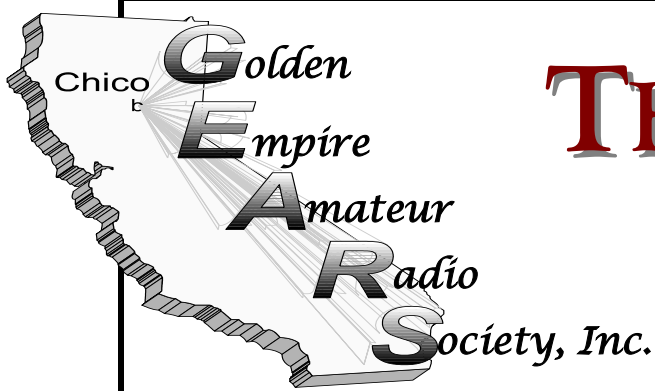
The next club meeting will be held on January 5<sup>th</sup> at the Marysville Library at 7:00 PM.

The next Board Meeting will be held at the Red Cross Building on Tuesday, January 17, 2015 at 6:00 PM.

The meeting was adjourned at 7:17 hours.

Respectfully submitted, Jo Anne Murdock (N6YLO), YSARC Secretary

"Dedicated to Public Service"



# THE RADIATOR



W6RHC  
IRL #8170  
Echolink #322788



<http://www.gearsww6rhc.org>

P.O.Box 508 Chico, CA 95927-0508

Founded: August 13, 1939

**BULLETIN**

**January 2016**

## TECHNICIANS LICENSE CRAM SESSION HOSTED BY G.E.A.R.S

February 6, 2016  
9:00 a.m. to 5:00 p.m.  
Search & Rescue Building  
2591 Morrow Lane, Chico;

Instructor: Rick Hubbard KI6VOS

Assisted by: Tom Rider W6JS—GEARS VEC  
Gene Wright WA6ZRT –  
Michael Favor—N6FAV

For additional information, or to make reservation for the  
Class:

Telephone Tom : 893-9211  
Gene :345-3515  
Michael:899-8878

Please encourage those “wannabe” Hams you may know,  
To finally take the plunge, take the course and then  
pass the Technician Test on February 7, At 2:00 p.m.