

VALLEY HAM NEWS

September 2016

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

P.O. Box 1169
Yuba City, California 95992

September 2016

Editors: Curtis R. Sylvester-José, KF6VFP
Marsha L. Sylvester-José, KI6CSN
Telephone: 530-743-3003
E-Mail: Curtis at kf6vfp@arrl.net
Marsha at ki6csn@arrl.net

Webmaster: Joe Visali, N9BD

CLUB OFFICERS

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

BOARD OF DIRECTORS

Joe Visalli, N9BD
Kathy Burns, N7WVW
Manna Whelchel, 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

11 Oct – 7:00 P.M. General Club
Meeting, Sierra-Nevada Room, Caltrans
Building, 703 B Street, Marysville

14-16 Oct - Pacificon

18 Oct – 7:00 P.M. Board Meeting,
American Red Cross

01 Nov – 7:00 P.M. General Club
Meeting & Election, Sierra-Nevada
Room, Caltrans Building, 703 B Street,
Marysville

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

15 Nov – 7:00 P.M. Board Meeting,
American Red Cross

06 Dec 6:00 P.M. Christmas Party,
Pioneer Hall, First United Methodist
Church, 8th and D Street, Marysville

20 Dec 7:00 P.M. Board Meeting,
American Red Cross

Wednesday mornings – Breakfast
8:30 A.M. at Dancing Tomato in Yuba
City.

Monday nights at 7:00 P.M. – weekly
net (146.085+) PL 127.3 with swap shop
and help sessions.

Monday nights at 8:00 P.M. – Butte

VALLEY HAM NEWS

September 2016

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

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. PL295 coax connectors, 40 each. Cost is \$1.99 each.
3. RG8X reducers, 24 each. Cost is \$0.69 each.

4. Power Pole connectors, 105 red/black pairs. Cost is \$1.00 per pair.

5. Coax wrap, 1 roll. Cost is \$4.00 per roll.

6. RG8X strain relief boots, 10 each. Cost is \$0.50 each.

7. 10 AWG Red/Black Power Zip Cord, 35 feet. Cost is \$1.38 per foot.

8. RG8X Black Coax, 350 feet. Cost is \$0.39 per foot.

9. 7 BNC Female to SMA Female Adapter, \$3.50 each **NEW ITEM**

If you are interested in purchasing any of these items contact the club store manager, Curtis (KF6VFP) at (530) 743-3003, by email at kf6vfp@arrrl.net, on the air, or at one of the club meetings.

CA QSO

The California QSO Party (CQP) is held every year on the first weekend of October. The first CQP took place in 1966. Since 1974, the Northern California Contest Club ([NCCC](http://www.nccc.org)) has sponsored CQP. CQP has traditionally opened the annual contest season by providing an opportunity for contesters to prepare for the ARRL November Sweepstakes since the format is similar.

Stations outside of California, worldwide, work stations in California only. The 58 counties of CA are the [multipliers](#). California stations work all stations in or out of CA. The 50 US states and 8 Canadian areas are the multipliers. Stations outside of Canada and the US add to one's QSO total but do not count as multipliers. See the full set of [CQP Rules](#) for more details.

VALLEY HAM NEWS

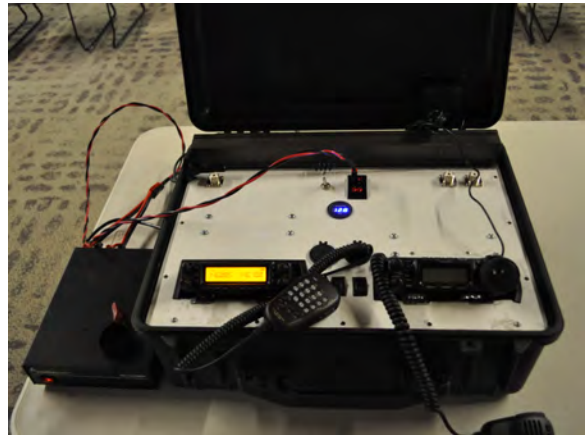
September 2016

For more information go to the California QSO Party website at cqp.org.

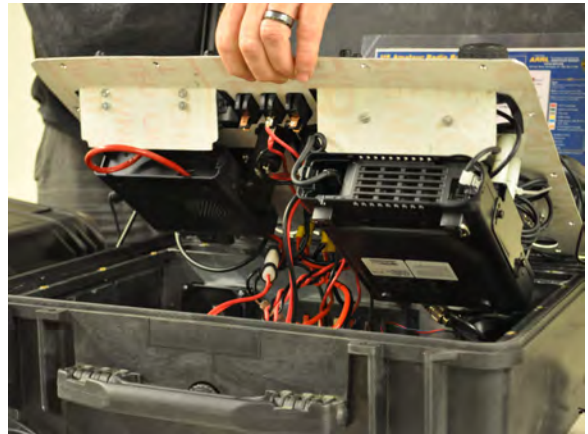
GENERAL MEETING

Jeffery Brown (KK6GBM) gave a demonstration and talk about his go box (pictured below) that he built into a 550 Pelican Case. Jeff paid \$90.00 for this case and two smaller cases. The case has panel mounted Yaseu FT857 (a mobile HF/VHF/UHF all mode transceiver shown on the right in the photo below) and a Yaseu FT8800 (A mobile 2m/70 cm transceiver shown on the left in the photo below). An installed internal battery provides power to the radios. Two recycled computer fans provide cooling. Three panel mounted SO-239 jacks allow connection to external antennas. Two Anderson Power Poles are panel mounted. One allows external power to be provided to the radios and to charge the battery the second allows the pass through of power to an external device. Two automotive car power adapters are mounted on the panel. One provides an alternate source for power and the other provides USB power. There are external speaker jacks and headphone jacks provided.

For HF Jeff has a 6-band Super Antenna (20, 17, 15, 12, 10 and 6 meter) with a tripod mounted push-up pole. He also has a 2m/70cm antenna.



Go Box Layout



The underside of the panel



Jeff Brown KK6GBM talking about his Pelican Go Box

Jeff's next project is to use one of the

VALLEY HAM NEWS

September 2016

smaller Pelican Cases with gel cell batteries, a charge controller, and connections for solar panels.

At the YSARC October meeting Dave Gardner (WD6AXM) will give a talk and bring some test equipment. If you want to have your handheld tested bring it with you. Note: this is testing only, no repairs.

Reminder: next months meeting will be on Oct 11th. The club store will be there if you need parts. We will also be having a door prize drawing.

PACIFICON

Pacificon, an ARRL Convention, will be held October 14-16, 2016 at the San Ramon Marriott, 2600 Bishop Drive, San Ramon, CA The Talk-In frequency will be on the Mount Diablo Repeater at 147.060 with a PL 100 Hz, call sign W6P.

Pacificon gives you three great days of activities for one low cost: A full slate of outstanding Forum presentations about a wide range of amateur radio topics, a large Vendor Expo filled with exciting products and exhibits, an outdoor Swap Meet, great QRP activities, a Youth Forum and great Youth Activities including electronics kit building and soldering classes, a One Day License Prep Class to prepare you to pass the amateur radio Technician license examination and get your first amateur radio license, a chance to hear about and discuss important national amateur radio issues with top ARRL

leaders, a chance to win radios and other great prizes throughout the convention, and perhaps the best part - a chance to interact and share information with lots of other amateur radio enthusiasts to further (or begin) your own knowledge and to advance the hobby. Tickets are \$25.00 in advance (thru Oct. 3rd) or \$30.00 at the door.

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

For more information contact send an email to info@pacificon.org or call at (925) 288-1730.

TECHNICIAN CLASS

The club will again be sponsoring a technician class. Classes will be held at the American Red Cross Center, 2125 East Onstott Frontage Road, Yuba City, Classroom 1. It will be taught from 6:30 to 8:30 Monday and Wednesday evenings from Jan 2nd thru Feb 28th.

There is no cost for the classes, however you will need an up-to-date manual. You can obtain a Kindle version from Amazon, purchase a copy from a bookstore, ARRL, or order one thru the instructor.

The instructors will be Curtis (KF6VFP) and Joe Visali (N9BD)

Please get the word out to family, friends and anyone you know who is interested in getting their license.

More information can be obtained from Curtis at (530) 743-3003 or KF6VFP@arrl.net.

Curtis, K6VFP

VALLEY HAM NEWS

September 2016

HAMFEST/CONVENTIONS

San Diego

Start Date: 10/01/2016

End Date: 10/01/2016

Location: Lakeside Rodeo Grounds
12584 Maplevue Street
Lakeside, CA 92040

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

Sponsor: Lakeside Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 146.550

Public Contact: Paul Rios, KC6QLS
12207 Valhalla Drive Lakeside, CA
92040

Phone: 619-593-9445

Email: kc6qls@cox.net

Pacific Northwest

Start Date: 10/07/2016

End Date: 10/08/2016

Location: Shilo Inn Suites Hotel
3105 O.B. Riley Road
Bend, OR 97701

Website: <http://pnwvhfs.org>

Sponsor: Pacific Northwest VHF
Society

Type: ARRL Convention

Talk-In: 144.2 USB

Public Contact: Jim Christiansen,
K7ND

PO Box 147 Fox Island, WA 98333

Phone: 253-549-4062

Email: k7nd@att.net

ELECTIONS

Elections will be held on Tuesday, November 1, 2016 at the Caltrans building in Marysville at 7:00 p.m. Volunteers are needed for board, officer positions and committees for the upcoming year (2017).

So far we have volunteers for:

Officers:

President: Vacant

Vice President: Eleanor Knox,
KI6CSO

Secretary: Linda Maas, KK6SOZ

Treasurer: June McJunkin,
N6JEY

Board Members:

Kathy Burns, N7WVW

Matthew den Hollander, AC6MF

Joe Visalli, N9BD

Manna Whelchel, KA6ETB

Vacant

Committees/Other Positions:

Meeting Prizes

Bike Around the Buttes Liaison

Veteran's Day Parade Liaison

Newsletter:

Curtis Sylvester-Jose, KF6VFP

Marsha Sylvester-Jose,
KI6CSN

Club Store

Curtis Sylvester-Jose, KF6VFP

Field Day Committee

VALLEY HAM NEWS

September 2016

Christmas Party Committee

Nominating Committee

To have a full roster we need 5 board members, President, Vice President, Secretary and Treasurer.

If you are willing to serve please let Kathy Burns know.

Remember, this is your club. It does not exist nor run without you. You are the spark plugs that make this a great club. Please volunteer and bring your great ideas.

As a side note, we will also be approving the budget for 2017 at the November meeting.

VETERAN'S DAY PARADE

Steve Sweetman (K6TAZ) has agreed to act as YSARC's ramrod for the Veterans Day Parade to be held Nov. 11, 2016 at 11:00 a.m. in Marysville. Let Steve know If you are willing to help out. About 12 volunteers are needed. Volunteers will start at about 9:00 a.m. helping participants find their starting positions.

VE TEST SESSION

At the last exam session Bradley Read (KM6FDA) passed the Technician exam.

The next VE session will be 5 November 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.

CHRISTMAS COMMITTEE REPORT

Hello, here is the very latest news about the Christmas party from Manna, KA6ETB and Cindy, KK6OIO. At the Board meeting last Tuesday night our #1 choice for catering was approved - Porky's it is! Pulled pork and chicken were the top two meats that the members voted for. Great choices. Sides will be coleslaw and baked beans along with rolls, and a green salad with two choices of dressing; ranch and Italian. Beverages will be Pepsi products (Pepsi, Diet Pepsi, Mist Twist, Aquafina water) donated to our club by Cindy's boss at Mountain Mikes Pizza. We are still working on getting coffee for the party, possibly from Starbucks. A delicious cake for dessert (I'm looking

VALLEY HAM NEWS

September 2016

around at different options, probably Sam's Club is where we will get it). Prices are \$14 per person. Kids 5 & under are FREE. Kids 6 thru 11 are \$8 each. Manna will be printing up the tickets this week. They should be available to purchase some time around October 1st. We need to start thinking about a head count. We will mention that during the Monday night Net. **Porky's needs to know the final count by November 4th.** Bring your family & friends, it's going to be a lot of fun. Santa will be there again this year! One more cool thing that was a surprise..... We have a \$40 Winco gift card that one lucky person will win in our drawing. No need to buy raffle tickets for this prize, this one is separate from our wonderful radio prizes. Buying a dinner ticket for the party automatically gets you into the drawing. Everybody can use groceries during the holidays so we are really excited about the Winco card! Well, that's all I have for now. More information will come on October 11th at the general meeting.

Cindy, KK6OIO

CEPT

From the ARRL Letter for September 22, 2016.

"The FCC has updated its Public Notice on Amateur Radio operation in European Conference of Postal and Telecommunications Administrations (CEPT) countries that have adopted certain recommendations regarding the

US. The updated notice, in English, German, and French, includes some additional countries where operation is permitted. Licensees operating in CEPT countries must have a copy of the Public Notice, proof of US citizenship, and evidence of an FCC Amateur Radio license grant. These must be shown to "proper authorities" upon request.

Subject to regulations in force in the country visited, a US citizen holding an FCC General, Advanced, or Amateur Extra Class Amateur Radio license grant "is authorized to utilize temporarily an Amateur Station in a [CEPT] country that has implemented certain recommendations with respect to the United States."

Advanced or Amateur Extra class operators are granted CEPT Radio Amateur License privileges, in accordance with CEPT Recommendation T/R 61-01 (as amended). General class operators are granted CEPT Novice Radio Amateur License privileges, in accordance with ECC Recommendation (05)06 (as amended)."

The public notice is available at http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0916/DA-16-1048A1.pdf

More information about CEPT is available at <http://www.cept.org>.

For more information, contact Scot Stone, FCC Wireless Telecommunications Bureau, (202) 418-0638.

VALLEY HAM NEWS

September 2016

TECHNICIAN, GENERAL AND EXTRA CLASS QUESTION POOL REVIEW

From the Technician Class question pool:

T5B01 How many milliamperes is 1.5 amperes?

- A. 15 milliamperes
- B. 150 milliamperes
- C. 1,500 milliamperes
- D. 15,000 milliamperes

The correct answer is C. 1 milliampere is 1/1000 of an ampere. In other words, there are 1000 milliamps in 1 amp. To convert from amps to milliamps multiply the amps by 1000.

$$1.5 \text{ amps} \times \frac{1000 \text{ milliamps}}{1 \text{ amp}} = 1,500 \text{ milliamps}$$

From the General Class question pool:

G4A01 What is the purpose of the "notch filter" found on many HF transceivers?

- A. To restrict the transmitter voice bandwidth
- B. To reduce interference from carriers in the receiver passband
- C. To eliminate receiver interference from impulse noise sources
- D. To enhance the reception of a specific frequency on a crowded band

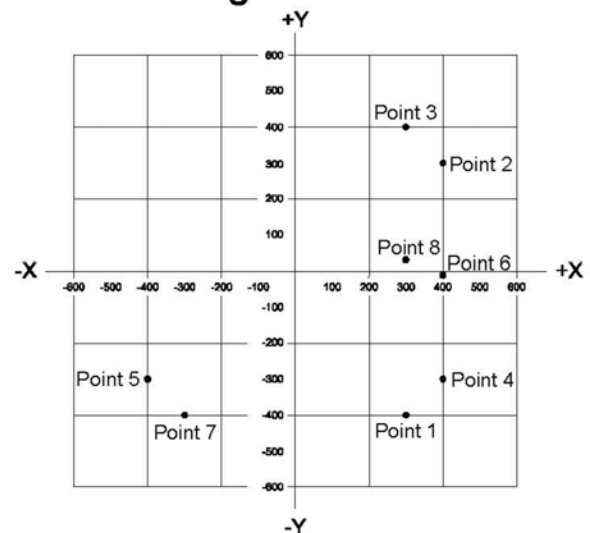
The correct answer is B. Once an interfering signal is in a receiver's passband it can be difficult to remove. Notch filters remove signals from a very narrow band of frequencies; such as a single interfering signal. Other methods to remove the interfering signal are passband or IF shift and reverse the sideband (i.e. USB to LSB or LSB to USB).

From the Extra Class question pool:

E5C14 Which point on Figure E5-2 best represents the impedance of a series circuit consisting of a 400 ohm resistor and a 38 picofarad capacitor at 14 MHz?

- A. Point 2
- B. Point 4
- C. Point 5
- D. Point 6

Figure E5-2



VALLEY HAM NEWS

September 2016

The correct answer is B. The impedance of the circuit is the combination of the resistance and the capacitive reactance measured in ohms (Ω).

Capacitive reactance (X_C) at the given frequency is.

$$\begin{aligned} X_C &= \frac{1}{2\pi fC} \\ &= \frac{1}{2(3.14)(14 * 10^6)(38 * 10^{-12})} \\ &= -300\Omega \end{aligned}$$

where f is the frequency, $\pi \approx 3.14$ and C is the capacitance.

The impedance (Z) is therefore:

$$Z = 400 - j300\Omega$$

This corresponds to point 4 on the graph.

For test taking purpose there are two questions that would require these types of calculations. One involves an inductor and its inductive reactance (X_L) and the other is this question. Capacitive reactance will be below the x-axis. Inductive reactance will be above the x-axis. Therefore for this question you need to only look at the resistance and then go below the x-axis.

Curtis (KF6VFP)

VOLUNTEERS NEEDED

Do you want a vibrant, active, fun club? Volunteer, speak up, and make it happen. Volunteer by yourself, or get together with some others and volunteer as a group.

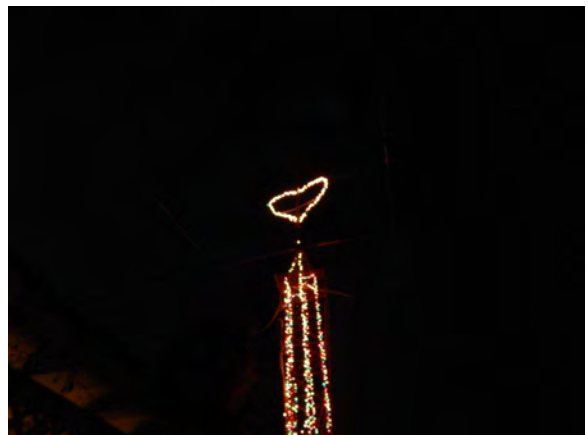
CA QSO – Oct 2016

Veteran's Day Parade - Nov. 2016

Others you can think of and suggest.

Remember, these events are what make this club fun. Your participation is necessary. The board and officers cannot nor should they do it all. Contact any club officer or board member to volunteer. Speak up at a general meeting and be the leader you are meant to be.

JUST BECAUSE



My tower last Valentines Day.
WB6GCL Keith Edwards

VALLEY HAM NEWS

September 2016

EDITORS COMMENTS

Hams let's get ready for the annual QSO Party October 1-2! Send us your data for contacts made. For example: the names of U. S. states, Canadian provinces, and CA counties.

The October YSARC VHN will include your name with contacts made. Let Curtis or I know by emailing us at:

Marsha KI6CSN@arrl.net

or

Curtis KF6VFP@arrl.net

SILENT KEY

Lonnie Moore (KI6ZYY) regretfully informs the YSARC of the passing of Lee Sheffield (KC6MCI) on Sep. 29, 2016. More information will be provided later.

VALLEY HAM NEWS

September 2016



Yuba Sutter Amateur Radio Club Board of Directors Meeting Minutes August 16, 2016

Red Cross building 2125 E Onstott Rd, Yuba City, CA 95991



Meeting called to order and moderated by Curtis Sylvester-Jose KF6VFP at 1900 hours.

Officers and Board Present:

Vice President Eleanor Knox KI6CSO, Treasurer June McJunkin N6JEY, Secretary Linda Maas KK6SOZ, and Board Members: Kathy Burns N7WVW, Manna Whelchel KA6ETB, Joe Visalli N9BD, Matthew den Hollander AC6MF. **Absent:** Board Member Lester Allan KK6SYV, Honorary Board Member Dave Gartner WD6AXM and Board Member Emeritus Herb Puckett W6HBU. President office vacant.

Members and Guests present

Curtis Sylvester-Jose KF6VFP, Bob McClard N6BOB, David Wainer WA1NER, Leroy Smith KJ6DKM, Udell Smith

Secretary's Report

July 19, 2016 board meeting minutes were passed out. Motion to accept minutes as written: Kathy Burns N7WVW / Joe Visalli N9BD, passed.

Correspondence:

Receipt for payment of P. O. Box rent. No membership applications received.

Treasurer's Report

Treasurer report for the month ending on August 16, 2016 was presented by Treasurer June McJunkin N6JEY. Motion to accept: Matthew den Hollander AC6MF/ Joe Visalli N9BD, passed.

Old Business

- Joe Visalli N9BD will email the new Monday net protocol to all of us. Monday net control stations: September Bob N6BOB, October 3, 10, 17 Eleanor KI6CSO, October 24, 31 Manna KA6ETB.
- Website still having problems. Joe N9BD still working on it.
- Badges can be ordered from Recognition Products 800-922-6868, badges@recprod.com as desired. Info is on the website. No current plans for a group order.
- Workshops – need to ask at general meeting what topics people are interested in.
- Veterans Day Parade - Steve Sweetman K6TAZ is willing to be coordinator.
- Calif QSO Party – Yes, the club can pool contacts from different locations. Need to decide at next general meeting if we want to do this event. It's the first weekend in October.
- Christmas party – Marcello's \$20/person, \$10/age 4-10, but room not big enough. Other buffets: Perk's, Tasty Buffet, Refuge, Plaza Room-Hillcrest Plaza. All too small. Decision to reserve a hall and have it catered. Manna KA6ETB will get cost from Dickey's BBQ and Marcello's for 70-100 people. Curtis KF6VFP will see if Pioneer Hall at Methodist Church is available. Curtis KF6VFP will be in contact with Udell regarding getting the Santa.
- Nominating Committee - Kathy N7WVW will send info to Curtis KF6VFP before next

VALLEY HAM NEWS

September 2016

general meeting.

- Technician class – Red Cross will provide the classroom again for Mon & Wed nights, 6:30-8:30. They need a copy of the liability insurance. June N6JEY will handle this.
-

New Business

Bob N6BOB will look into getting a generator for Christmas Party. Motion to approve the purchase of a generator for the Christmas drawing costing up to \$350 + tax, Joe Visalli N9BD/ Manna Whelchel KA6ETB, passed unanimously.

Upcoming Club Activities

- VE sessions: September 3 and November 5
- Breakfast every Wednesday morning 8:30am at Dancing Tomato, everyone is welcome

Upcoming Club Meetings

- Tuesday, September 6 at 7pm @ Caltrans - Jeffrey Brown KK6GBM will demo his Go-Box
- Tuesday, October 11 at 7pm @ Caltrans – Dave Gartner WD6AXM will make a presentation on repeater use and abuse, and bring his analyzer.
- Tuesday November 1 at 7pm @ Caltrans – elections
- Christmas Party – Tuesday, December 6th, 6pm-9pm at Pioneer Hall in the First United Methodist Church, 8th & D Streets in Marysville

Upcoming Board Meetings

- Tuesday, September 20 at 7pm @ the Red Cross
- Tuesday, October 18 at 7pm @ the Red Cross
- Tuesday, November 15 at 7pm @ Red Cross

Adjourned at 1955 hours, Joe Visalli N9BD/ Kathy Burns N7WVW, passed.

Respectfully submitted by Linda Maas KK6SOZ, YSARC Secretary