

January 2012

Volume 42, Number 1

Happy New Year!

www.fars.k6ya.org

February Club Meeting

Date: Friday, February 24th, 2012

Time: Socializing at 7PM, Meeting starts at 7:30PM

Place: Covington School, 205 Covington Road, Los Altos
(near Foothill Expressway and El Monte Rd)

Speakers:

Ron Meadows K6RPT & Don Ferguson KD6IRE

“Balloons and the California Near Space Project”

Ron and his son Lee have been outfitting balloons with high tech electronics since 2009. They've put GPS, APRS, cameras and crossband repeaters on balloons filled with hydrogen and helium, and have been written up in two articles on the ARRL's website.

In 2011 they set new records for both altitude and distance, beating US government agency records. The records were confirmed by the use of onboard GPS, and balloons were tracked by their APRS transmissions.

Come and hear the exciting story of these amazing feats of Amateur Radio and ballooning.

Snacks: Cookies and coffee will be served.

Questions: Bring your hardest radio questions.

The mysterious Dr. Know-It-All reveals all answers.

Post-Meeting Snacks: Denny's on Mathilda in Sunnyvale.

It's that time of year!

FARS Membership Renewals

Renewing your membership to FARS provides much needed support for your club activities, qualifies you for the **CASH** Wish-You-Were-Here prize awarded at each membership meeting, plus you'll receive a **FARS Relay** to your email each month!

FARS activities incl. Field Day, the 160m contest in February, the California QSO Party, and more!

Membership Meeting. There is no membership meeting for January as we instead hold our annual Winter Banquet. Our next regular membership meeting is scheduled for Friday, February 24th. Our program is **“Balloons and the California Near Space Project”** presented by Ron Meadows K6RPT and Don Ferguson KD6IRE.



Winter Banquet 2012. This special annual event was presented by FARS and PAARA on January 20th at Michael's at Shoreline. We had over \$1200 in raffle prizes, including a Yaesu FT-857D HF transceiver covering 160m through 70cm (HF/100W, VHF/50W, UHF/20W) as the top prize, plus over a dozen other useful prizes.

Thanks to everyone who attended this event. Thank you to PAARA and PAARA president Kristen McIntyre, K6WX for joining with FARS to put on this event.

Thank you to our volunteers who helped to run this event: Richard Baldwinson N6ATD for handling the raffle prizes; Kevin Weiler K6XXX for sign-ups; Joanna K6YL for badges, raffle ticket sales and photography; Mark Hardy K6MDH for the presentation of images of FARS' past events and for taking photos; Dave Cooper K6WA for handling the video setup.

Additional thanks to Kristen McIntyre K6WA for arranging our speaker, Richard Dillman; Howard Califf W6HOC for donating over \$100 in raffle prizes; Peter Chow AF6DS and Bob Van Tuyl K6RWY for helping with the raffle; Michael Pechner NE6RD for handling sign-ins; and anyone who I've failed to recognize here who helped with the banquet.

New Year. It's the start of a new year for FARS, a time to feel proud of what we've done but also to look forward to the future. This year we plan to participate in the 160m contest in February, Field Day in June, and the California QSO Party in October. And we are always interested in sponsoring more contests and other amateur radio activities. Let us know your interests!

Dues Reduced for 2012. The FARS board has voted to extend the \$15 reduced membership dues through 2012. Use your \$5 savings to purchase raffle tickets, or put in in your pocket and be \$5 richer.

Electronics Flea Market. The electronics flea market is on hiatus for the winter and returns on March 10, 2012. Check out www.electronicfleamarket.com for details.

de Mikel KN6QI

CLUB INFORMATION

www.fars.k6ya.org

President: Mikel Lechner KN6QI
Vice President: Steve Stearns K6OIK
Treasurer: Dick Baldwinson N6ATD
Secretary: (open)
Radio Officer: Phil Hawkins KA6MZE
Training Officer: Kevin Weiler K6XXX
Relay Editor: Joanna Dilley K6YL
FARS Board: Robert Flemate KE6TFU
Charlie Morrin KI6FXY
K6YA Trustee: Phil Hawkins KA6MZE

Contact the FARS Board of Directors at fars-board@svpal.org.

Email Announcements: Members and non-members are encouraged to subscribe to the FARS Announcement list to receive reminders of FARS activities and other news. Browse www.fars.k6ya.org/mail, click on Subscribe/Unsubscribe and follow the instructions under "Subscribing to fars-announce". You may submit announcements to the FARS Announcement at fars-announce@svpal.org. The list is moderated and messages will require approval by the moderator.

Meetings: FARS meetings are held at 7 PM on the fourth Friday of each month except January (Winter Banquet); and sometimes there are changes for June (for Field Day) and November & December (for holidays). **Visitors are always welcome!** Directions on the website as well as in this newsletter. Talk-in: N6NFI (145.23-/100Hz) or W6ASH repeater (145.27-/100Hz).

Membership: Annual FARS membership is \$15. A club badge is \$9. With membership you'll receive the monthly FARS Relay, and you'll also qualify for the monthly CASH Wish-You-Were-Here drawing at each membership meeting.

Newsletter: The FARS *Relay* is the official monthly newsletter of the Foothills Amateur Radio Society. Contributions to the newsletter from members, family, and guests are earnestly solicited! Photos, operating news, articles, etc. can be submitted to the editor at any time. Contributions are subject to editing and/or compression.

Newsletter Editor:

Joanna Dilley K6YL Joanna.K6YL@gmail.com (also Yahoo)
PO Box 5153 Also available at FARS meetings.
Redwood City, CA 94063 Photos © K6YL unless noted otherwise.

What can YOU do
to help protect and preserve
spectrum and privileges
for all amateur radio operators?

SUPPORT YOUR NATIONAL SOCIETY →



The Amateur Radio Relay League
(ARRL)

www.arrl.org

CALENDAR OF UPCOMING EVENTS

www.fars.k6ya.org/events/calendar

Visitors are welcome at all events!

FEBRUARY

- 2 Board Mtg, Los Altos Town Crier, 7:30PM
- 9 [BARC Meeting](#), Tech Shop Menlo Park, 7PM
the Bay Area Radio Builders Club,
a FARS Special Interest Group (See page 3)
- 24 [Club Meeting](#), Covington School, Los Altos, 7PM
"Balloons and the California Near Space Project"
Ron Meadows K6RPT & Don Ferguson KD6IRE
- 26-27 [CQ World Wide 160m Contest](#), Maryknoll
(same location at Field Day and CQP)
FARS will again participate in this annual event, w/
a full operation including a 160m Beverage antenna
for receive and a vertical antenna for transmit.
See page 7 for details.

MARCH

- 1 Board Mtg, Los Altos Town Crier, 7:30PM
- 3 [RadioFest Monterey 2012](#)
and Parachute Mobile Jump!
See page 9 for details.
- 8 [BARC Meeting](#), Tech Shop Menlo Park, 7PM
the Bay Area Radio Builders Club,
a FARS Special Interest Group (See page 3)
- 10 [Electronics Flea Market](#), DeAnza College, 5AM
First for 2012!
- 23 [Club Meeting](#), Covington School, Los Altos, 7PM

FARS Membership Dues Reduced for 2012

Payment of dues supports the club and provides you with current membership status – you'll qualify for the CASH Wish-You-Were-Here prize awarded at each membership meeting, and you'll also receive the FARS Relay in your email each month.

The FARS board has voted to extend the \$15 reduced membership dues through 2012. Use your \$5 savings to purchase raffle tickets, or put it in your pocket and be \$5 richer.

FARS is a California 501(c)(3) non-profit corporation, so donations and membership dues are tax deductible with the California Franchise Tax Board and the Internal Revenue Service.

DECEMBER MEETING REPORT

Congrats to the December raffle prize winners!

First Place: Yaesu FT-60R 2m/70cm Dual Band HT

Second Place: LED Work Light - 27 LED's w/ magnet

Third Place: ARRL 2011-2012 Repeater Directory

WYWH: Unfortunately the selected FARS member was not present to collect the **ca\$h Wish-You-Were-Here prize.**



First Place Winner:

Babbette Campbell K6BWC

Photo © Bob K6RWY



December Speaker:
Eric Norris, WD6DBM

“Moonbounce and Meteor Scatter for the Masses”

It used to take BIG antennas, BIG amplifiers, and a LOT of patience to work EME.

Eric showed us that now with the WSJT revolution, many hams may *already* have the equipment they need to get'er done.



REPORT:

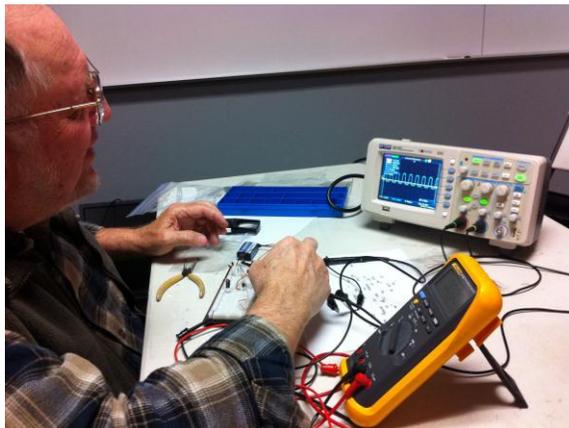
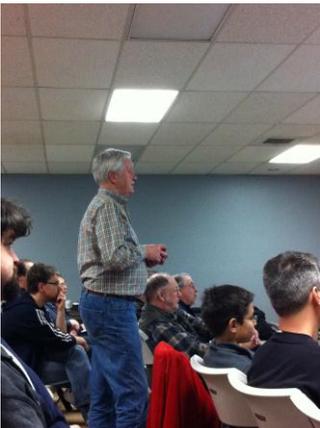
Bay Area Radio Builders Club - “BARC” *A FARS Special Interest Group*

This new FARS S.I.G. met again on January 12th and continues to be a success. BARC members listened to Bob Mix KF6ABC give a great talk on the basics of transistors. Then during the workshop portion of the meeting we each built a twin-T oscillator and amplifier. Starting next month we are changing our meeting format. We will cover a technical topic, and then help people who are having issues with their projects. We will each build a Ten-Tec 1054 Regenerative receiver on our own and use 2-3 meetings to discuss the various blocks of the circuit and how they work. We will also help people as needed with their builds. After the Ten-Tec 1054 we will build a BITX 20 transceiver from Hendricks QRP Kits, probably starting in April or May. Join us!



Interested? Join the Yahoo Group:
http://groups.yahoo.com/group/ba_radio_builders

Next Meeting: Thursday, February 9th
at the TechShop in Menlo Park



*Above –
The Ten-Tec
1054
Regenerative
4-Band SWL
Receiver with
and without
the optional
oak cabinet*

*Left – Jan.
mtg. photos*



FARS / PAARA Winter Banquet 2012



The FARS / PAARA Winter Banquet 2012 was held on Friday evening, January 20th, and it was a huge success. The **Foothills Amateur Radio Society (FARS)** and the **Palo Alto Amateur Radio Association (PAARA)** pair up each year to present this annual ham radio event and fete, and a large group of hams and guests again filled Michaels Restaurant at Shoreline in Mountain View for a great evening.

Richard Dillman W6AWO, a founding member of the Maritime Radio Historical Society (MRHS), spoke with passion regarding his dedication to the preservation of the skills, traditions and lore of maritime radio. The restoration of ex-RCA coast station KPH at Point Reyes has been the society's largest project, and the progress is remarkable. Please visit <http://radiomarine.org/> for more info.



Some of the lucky winners, incl. Michael KM6WP, Kristen K6WX, Josh KJ6PVN, Leigh WA5ZNU, and Joanna K6YL.



Karen KI6FGS and Howard W6HOC



Winter Banquet Prize Winners

- #1 - Yaesu FT-857 HF Transceiver w/ Separation Kit - **Michael KM6WP**
- #2 - Powerwerx Wouxon KG-UV3D Dual-Band HT - **Kristen K6WX**
- #3 - Diamond X-30A Dual-Band High Gain Antenna - **Josh KJ6PVN**
- #4 - The ARRL Handbook 2011 Edition - **Leigh WA5ZNU**
- #5 - WB6IQN DBJ-2 Dual-Band Roll-Up Antenna - **Joanna K6YL**
- #6 - Daiwa CS-201 Coax Switch - **Karen KI6FGS**
- #7 - MFJ-260C Dummy Load - **Davis AE6EO**
- #8 - 27 LED Portable Work Light - **Howard W6HOC**
- #9 - MFJ 24 Hour LCD Dual Clock - **Ivan AE6XA**
- #10 - Kill-A-Watt - **Bill K6VWO**
- #11 - ARRL Small Antennas for Small Spaces - **Josh KJ6PVN**
- #12 - ARRL Remote Operating for Amateur Radio - **Mark K6MDH**
- #13 - 3 Feet RG-8X Cable - **Ramsey KE6TFZ**
- #14 - MFJ 24 Hour LCD Clock - **Michael KM6WP**
- #15 - PL-259 Connectors - **Rob KI6GCL**
- #16 - Dogbone End Insulators - **Michael KM6WP**



A great lineup of prizes!

Dr. Know-It-All

January 2012

Dear Doctor,

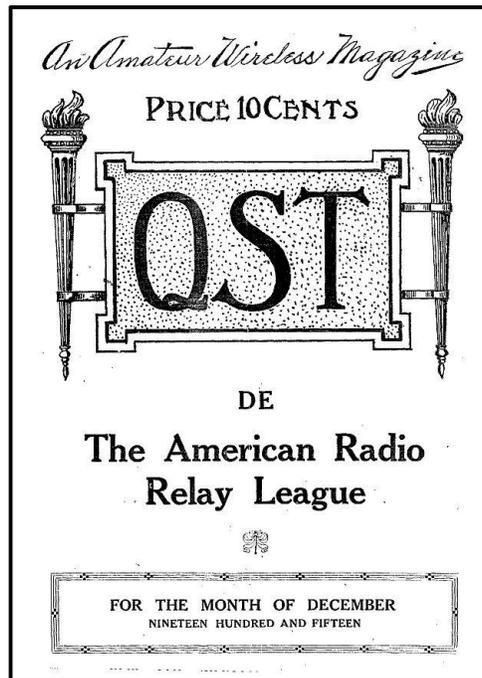
I occasionally want to look up an article from a ham magazine that neither I nor my public library has. How can I get copies of old articles?

- From several readers

Answer:

Old articles can indeed be valuable, and the retrieval of old articles can keep us from having to reinvent the wheel or solve problems that were solved before. Some ham magazines have online archives, others have CD-ROM archives, and many, sadly, were not archived and are gone permanently. Let's discuss how to find and retrieve articles from these active or defunct amateur radio magazines: *QST*, *QEX*, *Communications Quarterly*, *CQ Amateur Radio*, *Ham Radio*, *73*, *RadCom*, *Amateur Radio*, *CQ DL*, and *Funk Amateur*.

QST: The ARRL's flagship magazine *QST* is archived online. ARRL's website has a useful search tool that allows one to search for articles in four magazines: *QST*, *QEX*, *NCJ*, *Ham Radio*. ARRL members can retrieve individual articles from *QST* as pdf files. All back issues except for the three most recent years are available. To get started, the search page is here: <http://www.arrl.org/arrl-periodicals-archive-search>.



Cover of first issue of *QST*,
December 1915

QEX: The ARRL produced a two CD-ROM set titled *The QEX Collection*, 1981-1998, ISBN 0872597660, that retailed for \$39.95. It does not appear in ARRL store and may be out of print.

Communications Quarterly: ARRL produced a single CD-ROM title covering 1990-1999, ISBN 0872598780. It is available from ARRL as item no. 8780 and retails for \$39.95.

CQ Amateur Radio: Articles back to 1980 are indexed by topic here: http://www.cq-amateur-radio.com/cq_1980-2010_master_index.html. Online archives are maintained by HamCall.net from the first issue in January 1945 to the present minus the most recent two years. The search tool is here: <http://hamcall.net/cq>. Pdf files can be purchased online. However, an article purchase entitles you to full access to the archives for a limited time. You can download a lot of articles at once. So it's best to make a list of what you need before "going to the store."

Dr. Know-It-All

continued

Ham Radio: CQ Communications and ARRL jointly produced three CD-ROM sets totaling 12 disks, and covering 1968-1976, 1977-1983, and 1984-1990. Each set has four disks and retails for \$59.95 separately, or \$149.85 for all three sets from ARRL and \$20 less from CQ Communications. Online archives with search and retrieval are at <http://www.archive.org/details/ham-radio-magazine>. Select “more” to enter the archives. Then select an issue and in the “View the book” window on left side of page, select a view format or file type. You can only download big pdfs of entire issues, but from the big pdf you can make small pdfs of individual articles by using Adobe Acrobat.

73 magazine: HamCall.net has a search tool for finding articles from October 1960 through September 2003 at <http://hamcall.net/73> but without online article retrieval. Archives with search and retrieval are available at <http://www.archive.org/details/73-magazine>. Select “more” to enter the archives. Then select an issue then in the “View the book” window on left side of page, select a view format or file type. Again, you can only download pdfs of entire issues, but by using Adobe Acrobat, you can then capture an article you want as a smaller pdf.

RadCom: RSGB’s monthly magazine *RadCom* is available in CD-ROM sets. There are presently eight 2-disk sets that cover the period from July 1939 through December 1995. The sets are priced individually at £30 each, or all eight for £150, or all eight plus 15 single-year CD-ROMs covering 1996 through 2010, a total of 31 disks for £335 – yikes! RSGB members can search the back issue indexes and read issues online, but only for the current year and one year back.

Amateur Radio: The Wireless Institute of Australia (WIA) monthly magazine *Amateur Radio* has a CD-ROM archive covering only the period October 1933 through December 1939. Price is AUS \$25, order WIA product no. 109309. We can hope that CD-ROMs covering more years will become available in the future.

CQ DL: The Deutschen Amateur Radio Club (DARC) monthly magazine *CQ DL* has a DVD archive of 240 issues for 1980 through 1999 is available from DARC Verlag for 25 €. Single-year CD-ROMS for years 2000 through 2010 are available for 13.50 € each. Order from <http://darcverlag.de/CQ-DL-Archiv-CDs>.

Funkamateuer: The German Amateur Radio magazine *Funkamateuer* has online search and document retrieval that cover the period from 1952 to the present accessible from <http://www.funkamateuer.de/downloads.html>. Articles cost 1.00 € each. Single-year CD-ROM archives are available for purchase for each year from 1995 to the present.

A list of U.S. and foreign Amateur Radio magazines is at http://en.wikipedia.org/wiki/List_of_amateur_radio_magazines. Readers who speak foreign languages may be interested in checking what magazines and online search and retrieval services other national clubs offer their members. Here are a few organizations to get started:

- Liga Brasileira de Radioamadores (LABRE) http://www.labre.org.br/crbst_38.html
- Union Francais des Radioamateurs (REF) <http://www.ref-union.org/>
- Associazione Radioamatori Italiani (ARI) <http://www.ari.it/>
- Japan Amateur Radio League (JARL) <http://www.jarl.or.jp/>
- Soyuz Radiolyubitelei Rossii (SRR) <http://www.srr.ru/>

That’s it for this month.

You can send your comments or questions about any aspect of Amateur Radio to Dr. Know-It-All.

- ♦ Written comments and questions are accepted at the monthly meetings of the Foothills Amateur Radio Society
- ♦ By email to FARS officers and board members
- ♦ Or through the FARS web site at <http://www.fars.k6ya.org>.

**UPCOMING FARS EVENT:
2012 CQ WORLDWIDE 160M PHONE CONTEST**

Saturday, February 25th, 2012

The night of Saturday, February 25th FARS will again participate in this annual event, the [CQWW 160-Meter Contest](#). We'll have a full operation, including a 160m Beverage antenna for receive and a vertical antenna for transmit. Phil KA6MZE is always looking for help with operating and setup, but of course you can also stop by just to see the action.

Setup: Saturday morning / mid-day

Take-Down: Sunday morning

The location is **Maryknoll Residences in Los Altos**, the same spot used by FARS for both Field Day and the California QSO Party. Their soccer field has plenty of space for the Beverage antenna, and a nice elevation and take-off angle.

The exchange is easy:

“K6YA 59 California”

www.cq160.com

SSB: 2200Z February 24 to 2200Z February 26

NOTE: FARS will operate Saturday night, beginning at dark.

OBJECTIVE: For amateurs around the world to contact other amateurs in as many U.S. states, Canadian provinces, and countries as possible utilizing the 160 meter band.

Thank you to Phil Hawkins KA6MZE for your hard work each year on this contest, as well as to your fellow volunteers, and thank you also to MaryKnoll in Los Altos for again allowing us the use of their soccer field.



Phil KA6MZE operating CQWW 2010



Beverage Antenna for receive on 160-Meters



Sunrise on Sunday



View towards the Bay



Maryknoll Residences



Clark KE6KXO



Radiofest Monterey Bay 2012

Sponsored by the Naval Postgraduate School Amateur Radio Club (NPSARC)

**Saturday
March 3, 2012
8:00 AM to 4:00 PM**

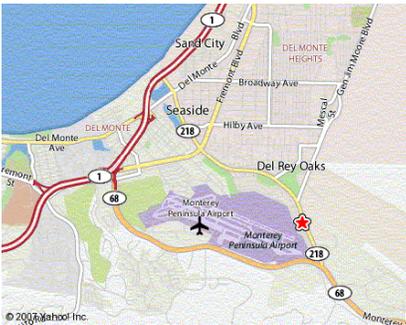
Parachute Mobile!



An ARRL Santa Clara Valley Section Convention
Admission is only \$1.00 Dollar!



**BREAKFAST AND LUNCH AT A GREAT PRICE
COMMERCIAL VENDOR BOOTHS
HAM RADIO DEMOS
INDOOR AND OUTDOOR SWAP MEET
FREE LICENSE EXAMS
FANTASTIC SPEAKERS
DOOR PRIZES**



Location:
Monterey Moose Family Center
555 Canyon Del Rey (Hwy 218)
Monterey, CA

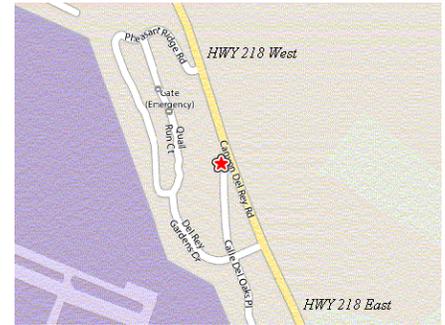
Talk-in: 146.970- pl 94.8

From North Monterey County

Take U.S. 101 South to Prunedale, then take Hwy 156 (Monterey Peninsula) exit, traveling West to merge with Hwy 1 Southbound at Castroville. Stay on Hwy 1 southbound to Seaside, take Hwy 218 (Canyon Del Rey) exit, turn left onto Hwy 218 (Canyon Del Rey), travel East, turn right onto Del Rey Gardens Dr., turn right onto Calle Del Oaks, go straight ahead to the Moose Lodge.

From South Monterey County

Take U.S. 101 North to Salinas, then take Hwy 68 (Monterey Peninsula) exit. Turn right onto South Sanborn Rd., continue onto E. Blanco Rd, turn left onto Hwy 68 Westbound, turn right onto Hwy 218 (Canyon Del Rey Blvd), turn left onto Del Rey Gardens Dr., turn right onto Calle Del Oaks, go straight ahead to the Moose Lodge.



**NEWS:
Floods in Thailand Destroy HSØAC**

You may have heard about the severe floods in Thailand this past fall, resulting in devastating damage everywhere. The Radio Amateur Society of Thailand (RAST) and their famous HSØAC club station were completely destroyed. The following website shows the horrific extent of the flood's rampage on HSØAC.

<http://www.qsl.net/rast/>



Most of the rigs at HSØAC were donated by amateurs who visited the club over the last ten to fifteen years. The remaining peripherals were things that hams had hand-carried with them and then kindly left behind. The Thai radio amateurs need right now all the help they can to get HSØAC back on track. Details on website. TU.

FARS Member Badges

We're ready to take your order online or at the mtg.

Available for pick up at the next club mtg

FARS Relay

Have a photo, article, or operating news to share?

Please contact Joanna.K6YL@gmail.com

FARS Weekly Net

Thursdays @ 8 PM

N6NFI repeater, 145.23-/100Hz

This net is open to all interested hams.

The purpose of the net is to keep club members informed about club activities; to exchange other club-related info; and to socialize.

9AM Talk Net

Weekdays @ 9 AM

N6NFI repeater, 145.23-/100Hz

This net is open to all interested hams.

This is an informal net that is very popular.

www.9amtalk.net

Ready to Upgrade Your License?

What is a Passing Score you might ask?

Technician & General exams – 26 out of 35 (74.2%)

Amateur Extra exam – 37/50 (74%)

www.baears.com – This group holds “Ham Crams” 4 times a year. Pre-registration required, sign up on the website. \$30

- Saturday 4/21/12, 8 AM @ Santa Clara

www.amateur-radio.org – The Sunnyvale VEC holds test sessions on Saturdays often alternating between Sunnyvale and Redwood City. Walk-ins only, no pre-registrations. \$15

- Saturday 2/11, 10:30 AM @ Sunnyvale
- Saturday 2/18, 10:30 AM @ Redwood City

www.pdarrl.org/vec/vecscv – The Silicon Valley ARRL VE holds test sessions on the 1st and 3rd Saturdays of each month. Arrive between 8 AM and 10:30 AM to the Saratoga Fire Station at 14380 Saratoga Avenue. Walk-ins only, no pre-registrations. \$15

- Saturday 2/4
- Saturday 2/18

www.sbara.org – The Tri-City VE Group holds test sessions at Hurricane Electric in Fremont each month, alternating between Saturday morning and Tuesday evening. The address is 48233 Warm Springs Blvd. Walk-ins welcome. \$15

- Tuesday 2/14, 6:30 PM
- Saturday 3/10, 9:00 AM

BAEARS Ham Cram

Next Session: Saturday, April 21st
8 AM
Santa Clara, CA
www.baears.com

Electronics Flea Market

Saturday, March 10th
Host: Silicon Valley Chapter, American Red Cross
www.electronicfleamarket.com

FARS Email Notices

Easy to subscribe!
www.k6ya.org/mail
Receive reminders of activities and other news.

Weekly FARS Net

Thursdays @ 8 PM
N6NFI Repeater 145.230(-), 100 Hz PL

63rd Annual International DX Convention 2012 Visalia, CA

April 20, 21, 21



[The Holiday Inn Hotel & Conference Center](#)
in Visalia, CA (*just south of Fresno*)

[Link to map](#)

**The raffle prizes will top even the famed
Dayton raffle prizes!**

MakerFaire 2012 is coming!

World's Largest DIY Festival

May 21st & 22nd, 2012
San Mateo, CA

Maker Faire®

<http://makerfaire.com/bayarea/2012/>

*Come celebrate MAKE magazine's
11th Maker Faire
and seventh anniversary
in the Bay Area,
showcasing creative and resourceful
people in the areas of
science and technology, engineering,
food, and arts and crafts.*

**FARS will again sponsor
a booth at the Maker Faire.**

Stay tuned for more info from Michael NE6RD.

Bay Area Radio Builders Club

“BARC” with a silent “B”

A new FARS Special Interest Group

Next Meeting: February 9th
TechShop in Menlo Park

We are a group of mostly Amateur Radio operators
who want to gain a better understanding of the advanced
topics covered in the General and Extra class tests.

We want to learn electronics, antenna theory,
kit building, and kit design.

For more info join the Yahoo Group:
http://groups.yahoo.com/group/ba_radio_builders/

FARS Membership Renewal Form

Note that the annual dues for 2012 has been reduced to \$15. You may also renew online by logging onto the FARS website, then using PayPal to pay.

<https://www.fars.k6ya.org/membership> Date: _____
PLEASE fill out the form for all new/renewal members.

Name(s) & Callsign(s) & Class (E-A-G-T-N-None): _____

Mailing Address: _____

Home Phone: _____ Work Phone: _____

ARRL Member? _____ Email: _____

Preferred Modes (e.g. HF-SSB/CW/VHF/QRP/Other): _____

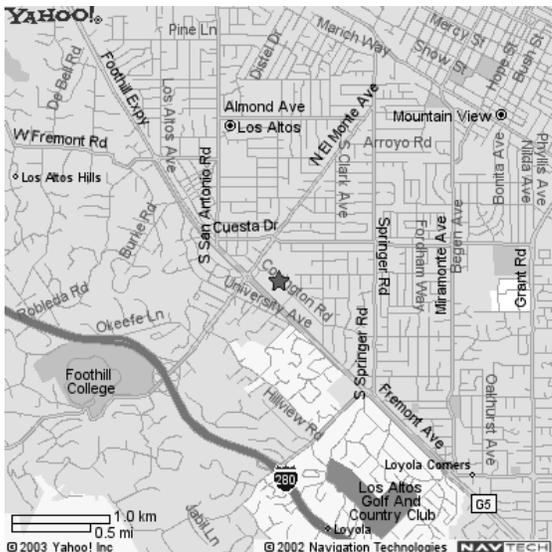
I'm willing to Elmer new hams with: _____

Special topics of interest / suggestions for club meeting speakers: _____

Dues: \$15 per year. Membership runs from January 1 to December 31. New membership applications accepted later in the year may have their dues prorated (see dues schedule). Please include \$9 for a club badge if desired. Your call sign and first name as it appears above will appear on the badge. Renewing members should provide at least their name, call, and the date. Also include any info that may have changed. Put "N/A" where you wish to remove (or not provide) info.

Send your check payable to FARS, to:

FARS c/o Michael Lechner, 436 Memphis Drive, Campbell, CA 95008



How to get to FARS meetings *(Visitors are always welcome)*

Meetings are held at the Covington Elementary School (directions below) on the fourth Friday. Socializing at 7 PM with the regular meeting at 7:30 PM. There may be changes in the meeting dates for January, June, November, and December.

DIRECTIONS:

From Interstate 280. take the El Monte exit Northeast. Cross Foothill Expressway. (A) At the first traffic light turn right on Covington. (B) Immediately at the fork take the left street (Covington). Go about 1/10th of a mile. Turn left into the parking lot. The gym is the tall building to your right with red and white stripes.

From Foothill Expwy., take the El Monte exit and go Northeast; then follow directions as above at point (A).

From US101 or El Camino: take San Antonio Road west (to Foothill Expressway). Then follow directions above at point (A).

TALK-IN via the [N6NFI](#) (145.230-; 100Hz PL) repeater or the [W6ASH](#) 145.27- (100Hz PL) repeater.