



P.O. Box 6421 Auburn, CA 95604

March 2013

<http://w6ek.org> info@w6ek.org

At The Key of SFARC:

PRESIDENT

Bob Brodovsky, K6UDA
bob@whpmotorsports.com

VICE PRESIDENT

Dave Albright, NO6NO
no6no@pacbell.net

SECRETARY

Dennis Gregory, WU6X
wu6x@hotmail.com

TREASURER

Richard Kuepper, WA6RWS
rkuepper@ymail.com

DIRECTORS

Chuck Baker, AE6LR
Mark Graybill, W8BIT
Donna Naylor, W6CQX

FIELD DAY CHAIRMAN

Dave Albright, NO6NO

REPORTERS

Satellites: Greg, KO6TH
History: Gary, KQ6RT
Misc Radio: Fred, K6DGW
Sunshine: Richard, WA6RWS
rkuepper@ymail.com

REPEATERS

145.430 (-0.6 MHz/PL 162.2)
440.575 (+5.0 MHz/PL 162.2)
223.860 (-1.6 MHz/PL 162.2)
2 meter & 220 repeaters are linked

CLUB NET

Thursdays, 7:30PM, W6EK/R
145.430

CLUB MEETINGS

Second Friday of the month,
7:30PM at the Auburn City Hall,
1215 Lincoln Way, Auburn CA

CLUB BREAKFAST

Last Sat of the month at Mel's Diner
1730 Grass Valley Hwy, Auburn CA - 8AM

NET CONTROL OPS

Dave Jenkins, WB6RBE
Gary Cunningham, KQ6RT
Norm Medland, W6AFR
Casey McPartland, W7IB

NEWSLETTER EDITOR

Barbara Anderson, W6EVA
916.624.1343
anderson51@starstream.net

WEBMASTER:

Carl A Schultz, WF6J

Inside this issue:

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Happy
St Patrick's
Day

(Sunday March 17)

Calendar:

Sat 2 March: VE Exam Session 8am at
Raley's in Granite Bay

Fri 8 March: Club Meeting

Sat 30 March: Club Breakfast

Sat 27 April: MS Walk in Folsom

Sat 4 May: Tour de Cure (Diabetes) in
Roseville

Sat 19 October: Cystic Fibrosis bike ride
in the Newcastle area



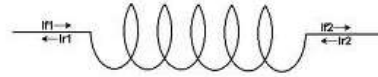
We encourage members to receive Sierra Signals via email to save the Club the cost of reproduction and mailing

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The Loading Coil

By Bob -K6UDA, President



Big moves - New meeting location, New breakfast menu at Mel's

It's been pretty obvious to anyone who's been to an SFARC club meeting in the last six months that we have outgrown the Auburn library. Our vice president, **Dave, NO6NO** has secured the City Hall for our meeting place. Personally, I'm excited about the prospect of added program types, clinics and areas for displaying radios, projects and other ham related things. I encourage all members to bring something for show & tell. Kudos to Dave for this opportunity!

Dennis, WU6X likewise has made a deal with Mel's diner in Auburn for our monthly breakfast. While it was bittersweet to leave Suzie's and our cute little waitress, our inaugural breakfast brought 33 of us into Mel's banquet room. They were a bit overwhelmed, but breakfast was good and they made **Richard, WA6RWS** feel right at home. I'm already looking forward to next month.

Field Day T-shirts

It took an extra year and an epic fail on my part last year, but we have a new 2013 Field Day shirt design. It's available in OD green (for a military look and feel) and white in both long and short sleeve. Pictures are posted on the front page of the website and you can download an order form too. Order fast and order many, these are sure to become a collector's item; if we're all in "uniform" on field day, I think we stand a good chance of making the cover of QST magazine.

Antenna projects - My 40 m dipole experiment

During the fall of 2012, I decided to build a 40M dipole antenna. Using a couple of lengths of old household electrical wire, I fashioned my dipole using 300ohm ladder line as my feed line. I put the center up on a pool pole and draped the ends into an inverted "V". It worked pretty good and I had a sense of accomplishment in doing it all by my lonesome.

Two weeks ago I took it down. With the help of **Dennis, WU6X** and a borrowed antenna launcher, I shot the thing up into the tallest trees on my property. The feed point is now about 30ft up and the ends upwards to 40ft. The difference is astonishing. I'm now routinely making real DX contacts around the world. The real test: Most Sunday mornings, I meet up with my uncle **Fred, W7LQL** from Ashland OR. on 40 meters. For the past year, conditions between us have been marginal at best. Last weekend when I fired up 40 and called for him, I was shocked to hear him return my call at +20 over 9. His signal report was likewise astonishing at +10 over 9. The band was ok and there was still shortwave signals floating around, but it proved one thing...elevation is everything.

That's my antenna project challenge. Last month I issued the challenge, now I'd like to hear your stories. If you're taking the challenge, send me an email with your story and we'll publish it in the newsletter.

Tag Team DXing on W6EK

Like I said last month, we are knee deep into radio sport 2013. So far the propagation gods have smiled on us, creating some good conditions on the HF bands. As of late, weekend mornings on W6EK have heated up with an unofficial spotting network. Several of us DX hunters working 40, 20, 15 & 10 meters will announce our spots on the local repeater. This last weekend three of us tag-teamed a DX station in Spain. **Dennis, WU6X** busted the pileup with his beam & amp, then told the guy that I was trying to get in on QRP (low power) using 10 watts on my Elecraft KX3. I got a 55 signal report from the guy. I then setup **Bob, WE6C** who received a 57 from the Spanish DX Station. Several other local hams have popped into our little net from time to time and it seems to be getting popular. For you Techs, there is the most popular portion of 10 meters available for you to operate on from 28.300 to 28.500. This will give you a real taste of HF and you can easily DX. I'm making 10 meter contacts to Japan, Hawaii, South America, and back east.

(Continued on page 3)

Continuing Education

I'm a big fan of continuing education and keeping skills proficient. As a new Tech, I thought I was done and would never need an upgrade; then I made a few 10 meter contacts to Florida and was hooked. No wires, no network, no internet... 3000 miles away with just this little radio. I studied and upgraded to a General, and since then I've gotten into several operating modes and still discovering more. Now I'm studying to upgrade one more time; this time it's an upgrade to the extra ticket. I'm not going to lie, but this is a real tough one for a guy who writes speeding tickets for a living and has never so much as pulled the rear cover off a transistor radio. I may not make the cut this time but I guarantee you one thing - it may take me a few tries but I'll earn that ticket. The other night I was talking to **Bob, KJ6KEZ** and he told me he had started taking practice tests to upgrade to General too. He was inspired by me and is going to join me in March at the testing facility in Granite Bay.

I'm quite sure there are others who are thinking about upgrading too. **Chuck, AE6LR** has offered to teach a study group of folks who want to upgrade. I'd like to see if there is any real interest in taking him up on his offer. Aside from upgrades, our new digs at City Hall should offer us real hands on educational opportunities we didn't have at the library. Think out of the box and come up with a subject you'd like to teach or learn about. Send it to me or **Dave, NO6NO**. **This year, is going to be the year of doing. Let's get busy!**



Sierra Foothills Amateur Radio Club – The first breakfast on February 23, 2013, at our new location (Mel's Diner Hwy 49 & Luther in Auburn) went very well. The venue was moved from Susie's in Roseville to have more space and bring the event closer to most members. Photo above taken by **Joe, KN6FH**.

For more information please see map on: <http://w6ek.org/meetings.html>



SIERRA FOOTHILLS AMATEUR RADIO CLUB

Monthly Breakfast Meeting



Saturday, March 30th starts at 7:30am



Mel's Diner in Auburn
1730 Grass Valley Highway (49)
at Luther Road (NE corner)



Repeater News

By Richard, WA6RWS

After a great club breakfast at Mel's, **Birton, N6UG** and I headed up to the repeater site for some changes to the system. The 220 box is now connected to the 2m controller. The pl on the 220 box is now 162.2, the same as the 2m repeater. We now have the capability to talk on 220 as a repeater and also talk to someone on 2 meters at the same time. The link can be turned on and off by radio and there may be times when the two are not linked. If I do any programming I will turn the link off so those listening won't go crazy from hearing the tones. The autopatch will work on 2 or 220.

Please try using the 220 box and let me know what you think. Be sure and thank **Birton** for all his help with our repeater system!



From CARL

The Club meeting has moved to the Rose Room at the Auburn City Hall. For information on the new meeting place, see the map on: <http://w6ek.org/meetings.html>



Elmer's Net kickoff was on February 20th and will run every other Wednesday. Twenty ops checked into the first net and more were listening in. Next one is March 6th at 7:30pm on W6EK/r 145.430 - 162.2pl. This net will alternate with the Prepper Net, the later being on the odd Wednesdays. It provides a place for all operators to ask questions and get answers. The club wants to provide this forum for new and old operators to provide technical help and assistance with anything related to Amateur Radio.

As with other clubs, we held out first Field Day Planning Committee meeting. With Field Day being June 22-23 this year, the club will again be at the Nyack exit off I-80. Beside the usual stations (see w6ek.org for Field Day photos) we will again have our GOTA station up front and visible to the public. Some interesting Field Day related PR events are being planned.

The club's T-shirt design is complete and we are taking orders from members. Also, check the club web site for the new club calendar listing.

Carl, WF6J

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Miscellaneous Radio

Is Morse Code a Language?



Most will likely answer the question in the sub title, “Of course!” We communicate with it which just about everyone will define as a “language.” L. Peter Caron Jr thinks so in his “Morse Code: The Essential Language” [found it while surfing Amazon's book store on my new Kindle Fire HD]. W6REC back in 2006 suggested you could “Learn CW as a language” faster than other methods, and offered, “*If any doubt exists about CW being a language, check with Webster. Think about sign language*” as proof.

But, alas, it is a much more complicated subject than American Sign Language [ASL, which, we will see, really may be a language]. As is often the case in situations such as this, it helps to define things. So, first lets see if we can find some of the defining features of “language.” We use language to communicate of course, but that doesn't tell us much, one can “communicate” extreme anger by punching someone else in the face ... no words, spoken or written but the message is pretty clear.

One of the primary characteristics of a real spoken language are defined sounds that denote things, actions, qualities, and the like about reality. In English, “dog” sounds very different than “cat,” and different yet from “aardvark.” “Red” sounds different than “green, just as “rojo” sounds different than “verde” in Spanish although they denote the same qualities. Note that in a spoken-only language, there is no alphabet ... just sounds.

Real languages have syntax rules. In English, we have sounds that denote one object – “rose” – and “roses” a similar but slightly different sound for more than one rose, and there are rules for how the sounds are to be modified.¹ In some cases, you add an “sss” sound to the end, in others, like “rose”, you add an “ezz” sound, and in yet other cases, you do something entirely different.

Generally speaking, in English, qualifiers [adjectives and adverbs] precede the sound being qualified – “big house.” In other languages [e.g. Spanish], they follow – “casa grande.” Real languages also have semantic content. All those sounds have intrinsic meaning. Everyone speaking English knows what a “red ball” is and that it is different from a “green ball” ... well all of you do, I don't, I don't have any color vision, but I do know what a ball looks like. ☺ And, real languages have a grammar ... a set of rules about how to string the sounds together to communicate more complex things.

If someone decides to add writing to the language, there are basically two approaches. Come up with symbols that stand for each of the sounds in the spoken language [hieroglyphics or ideographs such as Chinese come to mind], or dissect the sounds into phonemes ... individual bits of sound that together make up the language's sound for say “automobile,” and devise a symbol for each of those phonemes. We call these alphabets, and in general there are far fewer phonemes in a spoken language than there are sounds with meaning since multiple phonemes make up the sounds of the language. In English, we can represent our spoken language with 26 separate “letters,” 10 digits, and a handful of other marks we call punctuation which we don't even speak, and it works.²

And, here's where the real answer to the question in the sub-title comes in ... Morse is a sound-code for each of the 26 letters, 10 digits, and some of the punctuation. That's all, and the letters, digits, and punctuation symbols or sounds do not by themselves constitute a “language.” If I write, “It is sunny today,” the language is English, and you recognize the symbols to be words, most folks hear the sounds in their minds, and you know what I said. If I send it in Morse, the language is still English, the Morse sounds denote the letters, and you recognize them to be words and understand what I said. I can send “es hoy en dia soleado.” The letter sounds are still Morse, but the language is now Spanish, with different words, syntax, and grammar.



- ¹ This is not universally true. In Lao and Thai [they sort of share a language], there are no plurals. Reading the English newspaper in Bangkok, when quoting from one of the Thai language papers, they might be talking about the arrival of one or more boats and include the phrase, “Number not specified” because that's the only way to indicate more than one in Thai.
- ² Victor Borge did devise a “language” with spoken sounds for punctuation years ago. It didn't catch on ... probably a good thing ... Victor was a comedian.

The International Morse Code, by itself, is not a language; it is just a different method for spelling words in languages using the Latin alphabet. Morse has no syntax rules, no intrinsic semantic meaning beyond “dit dah = A”, and no grammar. How is ASL different? Well, it is true that you can spell everything with your fingers in ASL just as we do in Morse. However, most of the ASL you see coming from that person standing next to the Really Important Person giving the speech is not spelling letters. Its hand-arm gestures that have word and often “sentence meaning” just like Japanese Kanji or Chinese ideographs. That's at least beginning to be a “language.”

But, as I said at the beginning, it is complex. When communicating by International Morse Code, we can spell out all the words. In general, we don't, unless we're transmitting record traffic or possibly code groups that will be later decrypted. To begin with, we have a huge number of abbreviations, just like those that have evolved in the SMS texting world. We often just leave out vowels ... written English, to be understood, doesn't really require most of them. But, that's all they are – abbreviations of properly spelled words. All the syntax, semantics, and grammar of English still applies, even in ROFLMAO, which stands for an entire, almost grammatically correct, English sentence [which I have yet to hear on the CW ham bands, thankfully].

We do have prosigns. They are usually denoted by two/three upper case letters with a bar over them. On a mill,³ you just held down the shift key and you had prosigns on the keys. AR, BT, SK, BK, CL, AA, IMI are a few. But prosigns are really just punctuation after all:

```
5 R K6DGW 3 AUBURN CA FEB 22
SFARC W6EK AA
BOX 6421 AA
AUBURN CA 95604
BT
ATTACK AT DAWN
BT
FRED
AR
```

We also have International Q-signals, which are probably the closest thing we have to a “language.” They have syntax, semantics, and they used to have a grammar. They have a question/answer format. In the olden days, it was:

INT QKN which meant “How many knobs does your radio have?” The INT was another prosign called the interrogatory, and the Q-signal grammar required it precede the signal signifying what followed was a question. The answer might be QKN 15, meaning “My radio has 15 knobs.”⁴

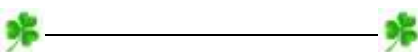
Nowadays, we just use QKN?, but the “?” in Morse is the same as IMI meaning “Repeat,” or “I will repeat.” Somehow we've worked that conflict out.

Other than that, International Morse Code is really just a sound-based alphabet duplicating the English alphabet. There are others [you're surprised?]. There is a Cyrillic Morse for the Russians, and one called Wabun for Japanese. There's one for Thai [http://www.thaitelecomkm.org/TTE/topic/attach/Morse_Codes/index.php]. I can still read some of that page but with extreme difficulty, it's been 40+ years.

So, my conclusion is that International Morse Code is not a language. It is a way of representing the Latin alphabet and digits with different sounds than we might speak, that's all. If life were fair, it would be called the Vail code, but then, if life were fair, it would be Stephens Pass instead of Donner.⁵

73,

Fred K6DGW



- 3 An ancient open-frame Underwood typewriter used in CW commercial service. Upper case characters only, the shifted-keys on some were various pro-signs. The name comes from Henry Mill who invented the typewriter. Morse mills were also made by Royal.
- 4 INT QKK “How many of those do you know how to use?”
- 5 The Donner party was dysfunctional from the start, there were several homicides on the trip, and we all know the story in the Sierra. The Stephens-Townsend-Murphy party about a year later arrived with two more humans than departed. Members went on to found the town of Sunnyvale, the predecessor for Cupertino, and Murphys east of Angels Camp and were exemplary citizens. While Donner got all the press, monuments, and statues, the only memorial for the Stephens party is Stevens Creek and the associated boulevard in the S. Bay, and they're spelled wrong.



BOARD OF DIRECTORS MEETING MINUTES

February 8, 2013

The SFARC February Board meeting commenced at 1800 hours at Round Table Pizza in Auburn.

Officers present: President Bob Brodovsky-K6UDA; Vice President Dave Albright-NO6NO; Secretary Dennis Gregory-WU6X and Treasurer Richard Kuepper-WA6RWS. Directors present were Chuck Baker-AE6LR, Donna Naylor-W6CQX and Mark Graybill-W8BIT. Also present were PIO Carl-WF6J. Guests present were WA8MPA, NI2U and KJ6KEZ.

REPORTS and DISCUSSIONS

President's Report: Bob-K6UDA reported a 20% gain in membership last year on the "increase membership" drive. Bob encouraged the Board to support a year of "activities" focus for 2013, with "clinics", fox hunts, SDR radio demo, etc. to continue to attract new members and keep programs interesting for existing members.

VP's Report: Dave-NO6NO Dave reviewed Tech-Ten and other planned presentations the General for up-coming Club meetings. Field Day 2013 (FD) planning was discussed and Dave suggested committee Chairs as follows: Donna for food, Carl for publicity, Dennis for rules/logging, Richard for logistics and Chuck for bands/modes. Dave suggested a quick meeting on Saturday of FD Committee Chairs. A discussion and review followed of FD T-shirt designs and possible vendors; no decisions.

Secretary's Report: Dennis-WU6X reported that the paperwork to change the Club address and Trustee should be going to the ARRL as of the next mailing (WA6RWS), and reminded the Board of the pending vote on "term limits" for the General meeting.

Treasurer's Report: Richard-WA6RWS reported a beginning balance as of January 1st of \$3,992.04. Expenses in December totaled \$1,281.18. Deposits included donations and membership renewals totaling \$1,677.62. Net cash on hand at end of December is \$4,388.48.

Repeater Report: Richard reported the 220 repeater back online, on the same PL. Dave reported repeaters, control stations and other gear may be available soon for donation to the Club.

VE Report: Dave-NO6NO reported 9 candidates took 11 exams; 5-Techs, 1-General & 1-Extra passed.

Web/PIO Report: Carl-WF6J suggested a "shack tour" video/pictures of members' radio room to be posted on W6EK and in the Newsletter. Carl also suggested an "Elmer Net" be started on the opposite Wednesday of the Prepper Net. Donna made a motion, 2nd by Chuck-AE6LR to start the new net; passed unanimously. Carl reported on changes to the membership renewal form still pending.

Property Report: Richard reported he had asked Dave-NO6NO to test and check gear from K6ARR's estate prior to putting it up for sale.

NEW BUSINESS:

New venue for General meeting: Dave-NO6NO made a motion, 2nd by Chuck-AE6LR to move the General meeting from the Library to the Rose Room at Auburn City Hall, to provide more room for meetings and Club exercises. Discussion followed with notes on insurance certificate requirement and \$100 deposit. Rental fee is the same as the library. The motion passed unanimously to present the change to the Membership for a vote.

New venue for Club breakfast: Richard-WA6RWS made a motion, 2nd by Mark-W8BIT to move the Club breakfast from Susie's in Roseville to Mel's Diner in Auburn, to provide a quieter location for visiting during breakfast. A discussion

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followed with reports from Dennis-WU6X noted that 54 members live north of Rocklin and 15 south of Rocklin with 5 in the middle. Also, the results of those voting on the Yahoo! Groups Poll suggested a majority want to move (9 to 3 opposed, with 4 maybe). The motion passed with one abstaining, to recommend the change of breakfast venue to the Membership for a vote.

Meeting adjourned at 1855 hours. Submitted by *Dennis Gregory-WU6X, SFARC Club Secretary*



GENERAL MEETING MINUTES

February 8, 2013



The SFARC General meeting for February commenced at 1932 hours at the Placer County Library in Auburn. Officers present were President Bob Brodovsky-K6UDA; Vice President Dave Albright-NO6NO; Secretary Dennis Gregory-WU6X and Treasurer Richard Kuepper-WA6RWS. Directors present were Chuck Baker-AE6LR, Donna Naylor-W6CQX and Mark Graybill-W8BIT. Also present were PIO Carl-WF6Js.

Bob-K6UDA led approximately 40 members and 2 guests in a Pledge of Allegiance to the flag, followed by an introduction of Officers, members and guests. Those in attendance were encouraged to share when they were first licensed. Jettie Hill-W6RFF was oldest existing licensee having been licensed in 1935. Congrats Jettie!

REPORTS:

Past minutes: The minutes of the past meeting a posted in the Newsletter were approved as submitted.

President's Report: Bob-K6UDA reported a 20% gain in membership in 2012, and that he and the Board intend to support a "year of activities" focus for 2013. Bob showed a Field Day 2013 T-shirt design to the Membership and asked for a show of hands of who might purchase one at approximately \$15 each; about 20 hands went up.

VP's Report: Dave-NO6NO updated the membership on Field Day 2013 plans and introduced Committee Chairs. ALN12U described the experience for those who haven't worked a field day before.

Treasurer's Report: Richard-WA6RWS reported a beginning balance as of January 1st of \$3,992.04. Expenses in December totaled \$1,281.18. Deposits included donations and membership renewals totaling \$1,677.62. Net cash on hand at end of December is \$4,388.48.

Secretary's Report: Dennis-WU6X reminded guests and new members to pick up a "Welcome Letter" during the break.

VE's Report: Dave-NO6NO reported 9 candidates took 11 exams; 5-Techs, 1-General & 1-Extra passed.

Repeater Report: Richard-WA6RWS reported the 220 repeater is now back online and of plans to connect it to the 2m repeater. Richard also reminded membership of auto-patch codes available to members.

Satellite Report: Greg-KO6TH reported on three interesting extraterrestrials: a "cell phone" satellite using an Android phone will be launched on February 25th; Asteroid DA14 is expected to close-pass Earth on February 15th, and is the size of half a football field; those wishing to view the International Space Station, and sign-up for automatic email notifications for "visible" passes, can do so at <http://spotthestation.nas.gov> (some content from Thursday's net).

Sunshine Report: Richard-WA6RWS reported no Members with issues or illness.

Volunteering: George-KG6LSB reported on several communications events in 2013 with opportunities for Members to support and learn. Contact George to volunteer, or see W6EK.org for more information.

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Refreshments and Raffle: The refreshments Chair, Jim-WA8NPA reported on “eats and drinks” for the break, and Raffle Chair, George-KG6LSB reported on raffle prizes available for tonight’s drawing including a new “analog atomic clock”.

Other Information: Pat-AA6EG reported on a 12m dish he is picking up and asked for volunteers for anyone interested in helping to put a small “earth station” together. Contact Pat for more information.

OLD BUSINESS:

Proposed By-Laws Change: The Membership voted on the Board’s recommendation and a pending motion from 2012 to extend term limits for Club Officers from 2 years to 4 years. The motion passed unanimously; the Secretary will update the Bi-Laws.

NEW BUSINESS:

New venue for General meeting: On the recommendation of the Board, Bob-KJ6ZER made a motion, 2nd by Pat-AA6EG to move the General meeting from the Library to the Rose Room at Auburn City Hall. Discussion followed. The motion passed unanimously. See W6EK for details and directions.

New venue for Club breakfast: On the recommendation of the Board, Dave-NO6NO made a motion, 2nd by Jim-WA8NPA to move the Club breakfast from Susie’s in Roseville to Mel’s Diner in Auburn; discussion followed. The motion passed with a majority vote; two no-votes. See W6EK for details and directions.

Elmer Net: The board voted to start an Elmer Net (information for new hams and others) on the opposite Wednesday night, 7:30pm, from the Prepper Net. All interested hams are invited to check-in.

General Announcements: The Club Net meets every Thursday’s at 7:30; Board and General meetings occur on the 2nd Friday; Board is held at Round Table Pizza at 6pm, and General meetings at 7:30. Club breakfast (last Saturday), the “Prepper Net” and the new Elmer Net are held on opposite Wednesday nights at 7:30pm. See W6EK.org for more information or date changes.

Tech-Ten: Chuck-AE6LR gave a presentation on portable homebrew 2m antennas.

Presentation: Chuck-KG6FFK gave a presentation on the Amateur Radio Emergency Service (ARES) with examples of portable masts and antennas.

The meeting adjourned at 2131 – Submitted by, Dennis – WU6X, Club Secretary



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910 Pleasant Grove Blvd. Suite 100
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2013 MEMBERSHIP APPLICATION

SIERRA FOOTHILLS AMATEUR RADIO CLUB
P.O. Box 6421, Auburn, CA 95604

Name: _____ Call: _____ Class: _____ e-mail: _____
Address: _____ City: _____ State: _____ Zip: _____
Associate Name: _____ Call: _____ Class: _____ email: _____
Phone: _____ Cellphone: _____ Application is: (Circle) New Renewal

Dues / Donations:

Membership: yearly*	\$22.00	Name Badge:	\$7.00	Yes (special name)_____
Associate: yearly*	\$ 7.00	Repeater Donation:	\$ _____	
Auto Patch Donation:	\$ _____	Newsletter Booster:	\$ _____	
Misc. Donation:	\$ _____	Christmas Donation:	\$ _____	ARRL member? (circle) Yes No
TOTAL:		\$ _____	Please add \$1 if paying via PayPal	

*Prorated dues for NEW Members/Associates Only

July	\$ 20 /6	October	\$ 14/3 + following year
August	\$ 18/5	November	\$ 12/2+ following year
September	\$ 16/4	December	\$ 10/1 + following year

OFFICE USE ONLY: DO NOT WRITE BELOW THIS LINE

Date: _____ Treasurer: _____ Secretary: _____ Roster: _____
Payment: _____ Check Number: _____ Cash: _____ PayPal: _____