



THE AIRWAVES

June 2009

SIERRA AMATEUR RADIO CLUB

An ARRL Special Service Club

RACES ARES

P O Box 1442

Ridgecrest

California

93556-1442

BOARD	President	Greg Roush	WA7IRW	446-4383
	First VP	John Andrus	KC6UWM	371-2190
OF	Second VP	Fred Moses	KG6STR	371-3582
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OFFICERS	Treasurer	Ed Czajka	KI6PSP	384-4726

SARC OWNED AND MAINTAINED REPEATERS

Randsburg	WA6YBN 145.34 MHz (-), PL 100.0 Hz, Wide Area, Emergency Power, linked to 147.00
Ridgecrest	WA6YBN 146.64 MHz (-), Translator, No Squelch Tail, Emergency Power
Ridgecrest	WA6YBN 147.00 MHz (+), PL 107.2 Hz, Autopatch, linked to 145.34
Ridgecrest	YBNBBS:WA6YBN, 145.050 MHz, Bulletin Board, 1200 Baud
Ridgecrest	#YBNSW:WA6YBN-4, 223.580 MHz, Node, 1200 Baud
Ridgecrest	#YBNSW:WA6YBN-4, 439.025 MHz, Node, 9600 Baud

SARC Committees

Technical Assistance: Greg, WA7IRW 446-4383
Program: Fred, KG6STR 371-3582
RF Interference: Bill, WA6QYR 375-8566

Public Relations: John, KC6UWM 371-2190
Airwaves Editor: Mike, WA6ARA 375-5324
Emergency and Public Service: Mike, W6PM 793-0541

THE AIRWAVES CALENDAR

Every	ARRL Audio News 1910 (7:10 p.m.) on 146.64 MHz
Monday	IWV Emergency Net Visitors Welcomed! 1930 hrs (7:30pm) WA6YBN Translator 146.64 MHz (-)
Night	East Kern County Emergency Net Visitors Welcomed! Rand repeater 145.340, pl 100 2000 hrs (8pm)
10 June	SARC Board Meeting 7:00pm Heritage Inn
10 June	SARC General Meeting 7:30pm Heritage Inn
06 June	SARC Fox Hunt – 9:00am Heritage Inn parking lot

27-28 June	FIELD DAY!
8 July	SARC BBQ – see details inside
12 August	SARC Ice Cream Social – see details inside

AMATEUR RADIO LICENSE EXAMS

Every Even Month, Second Saturday

13 June Volunteer License Exam Session
 Location: Guns 4 Us, basement classroom
 417 East Ridgecrest Blvd, Ridgecrest CA
 No handicapped access Pre-reg by Monday, 8 June. Limited to 8 applicants All must register at 9 AM
 Contact Elvy Hopkins NØLV 760-384-3589
 E-mail lvrh7589@iwvisp.com

Note from the Editor

As has been our custom for as long as I can remember, this will be the last newsletter until September. There may be a midsummer issue come out, email only, if I have the time and enough material. Otherwise, see you in September.

From the President's Shack

Field Day planning is underway with Gene W5DQ and associates. Plan to come by on the last full weekend in June (June 27-28). Help will be needed to set-up and take-down, and for the 24 hours of operation. Warm clothing will likely not be needed.

Many of us will be going somewhere during the summer. Plan to take your radio gear with you. Operating from a picnic site next to a Sierra lake can be very pleasant. Whether going through a local repeater or working HF, you'll meet some nice folks. And, a vacation might be the perfect excuse to get a new transceiver, or an antenna, or an accessory. It's the reason I use.

I've just returned from two weeks of sailing in the British Virgin Islands (VP2V is the prefix). The Virgin Islands Weather Net hams on 2m were very friendly. I was invited to the St. Thomas ham club monthly breakfast, but getting to the USVI from the BVI was almost impossible by the next morning. I was invited to the home of GeorgeVP2VQ my last evening in the BVI (George is shown in the photo on page 75 of the "Train the trainers" class in the May 2009 QST.)

I didn't do as much operating as I'd have liked due to a variety of problems. I only worked some 15 countries and about 15 States. My furthest contact this year was Hawaii at about 7500 km.

Murphy was actively helping TSA with my checked bag: a broken spare headset and a punctured tube of sun block were the primary damaged items. In my carry-on, the antenna tuner got a button pushed and depleted the internal batteries. I was scratching my head as to why the tuner just couldn't find a match when the miniVNA said the antenna should be in the tuner impedance range. Then I plugged in the backup external power cable to the tuner and it tuned immediately. My Heil headset developed a broken wire to one headphone the second day, and picked up the RF to let me hear myself on every transmission. The list of problems goes on. I had a good time regardless of the problems.

73,
Greg
WA7IRW@arrl.net

PS: Don't forget to bring in your new toys each meeting for a show-and-tell session.

Meeting Minutes

VP John, KE6UWM opened the meeting. No visitors. Club has a spectrum analyzer now stored in the repeater shed. It needs to be checked out and maybe

recalibrated. Gene, W5DQ talked about his new toy LP-PAN box, a Software Defined IQ Panadapter. It is an IF Software Defined Radio to go on the output of some Kenwood, Ten-Tech and Icom radios. It uses the same software as the Flex Radio SDR. More info at telepostinc.com.

Fred determined that an extra bulb for the project is not needed.

Gene W5DQ talked about Field Day June 27-28, 2009. Helmer's Park and the Senior Center have been arranged. The base solar source is dead, so it was determined to use commercial power Class A station with 3 positions. CW/psk; SSB; high-band SSB. Set up will be on 26th and operation 11 am Saturday to 11 am Sunday. Tom, N6NPG is ordering T-shirts from ARRL.

NO- 50-50 drawing.

Fred gave the talk using an AMSAT presentation on Satellite users information.

Bill, WA6QYR had boxes of parts for free. Tom N6NPG had some year's collection of ham magazines.

submitted by Bill WA6QYR

Treasures Report

Treasurer report as of 18 May 2009
Draft Account \$146.25
Share Account \$4,177.55
Balance \$4,223.80
submitted by Ed, KI6PSP

ARE YOU READY FOR FIELD DAY?

Well it's that time again. The weather is starting to heat up and that means spring is turning into summer. Along with start of summer every year comes Field Day. Again this year, the Sierra Amateur Radio Club is activating our Field Day effort at Helmer's Park, on Warner Street in Ridgecrest at the Senior Center next to the Penney Pool. The main event will be from Saturday June 27th through Sunday June 28th. Station setup will start on Friday June 26th around 2PM with normal Field Day operations commencing on Saturday at 11AM and continuing for 24 hours until Sunday 11AM.

We plan on having a set of stations setup for HF SSB and Digital Modes (CW and PSK31) as well as a Get-On-The-Air (GOTA) SSB station for visitors to take a hand at operating. Maybe we will even have a satellite QSO or two. Come on out and help us setup while learning how to prepare for emergency communications. Hang around and take a turn or two at operating the stations and then join the crew in the park for a social BBQ on Saturday evening. For the newly licensed hams, this is a great opportunity to learn about operating and

emergency communications while having fun with fellow hams and SARC club members.

Also let's not forget we are in the desert so bring your hat for shade, some sun screen, some folding chairs, some eats if you care to and lastly, plenty of water. We hope to see you there. For further information, contact Gene Brewer W5DQ at 446-1315 or 939-5884.

SUMMER PLANS

Summer is the time when the club goes "dark" for July and August. In lieu of the July meeting (July 8th) we usually hold a BBQ. Typically this is held at Ron Ogren's (WA6PEV) place on Brady street just north of Ridgecrest Blvd. **THIS HAS NOT BEEN CONFIRMED AT PRESS TIME.** Listen to the Monday night net for details.

For the August meeting on the 12th we usually hold an Ice Cream social. At this time the location has not been set. Listen to the Monday night net for details.

Vanity Call Increase in Fees

If you had any thoughts on going after a Vanity Call sign, do it now as the FCC has released a Notice of Proposed Rulemaking to increase the fee from \$12.30 to \$13.40. If renewal is in the picture for you, remember, you must be within 90 days of license expiration to renew.

The ARRL Letter Vol. 28, No. 19 May 15, 2009

ARRL SEEKS MEMBER SUPPORT FOR HR 2160

To support HR 2160 -- The Amateur Radio Emergency Communications Enhancement Act of 2009 -- the ARRL is asking its membership to contact their members of the US House of Representatives with a request to become co-sponsors of this significant piece of legislation <http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=111_cong_bill_s&docid=f:h2160ih.txt.pdf>.

"Getting a bill successfully through Congress is a formidable task --one that is going to require the involvement of every ARRL member," said ARRL Regulatory Information Manager Dan Henderson, N1ND. "Working with our Washington consulting firm Chwat & Co, we are laying a dynamic approach that will allow us to make our case most effectively. We have developed a strategy to maximize our impact when dealing with each member of Congress."

Since the anthrax scare that followed the 9/11 attacks, all incoming mail to Congress is delayed anywhere from

four to six weeks while it is screened. This means using normal US Mail is no longer an effective method of letting Congress hear your voice. While e-mail is convenient, it is also not effective, due to the large volume of e-mail that each Congressional office receives.

"To ensure that ARRL members' letters are quickly and expediently received by Congress, our strategy is to ask ARRL members send their letters directly to Chwat & Co," said Henderson. "Chwat's staff will sort the letters by Congressional district and hand-deliver them to the appropriate House offices, providing a direct point of contact with the Congressman and their staff. This personal contact gives us the chance to provide not only letters from constituents, but information from the ARRL on why this legislation is important."

The ARRL has provided a sample letter for League members to personalize and send to their Congressional representative

<<http://www.arrl.org/news/files/DearMemberOfCongressHR2160.doc>>.

"Personalized letters make a better impression than a standard form letter or petition," Henderson explained. You can find the name and address for your member of Congress on the ARRL Members Only Web page <<http://www.arrl.org/members-only/>>.

Once it has been personalized, ARRL members should send their letter to Chwat & Co using one of three methods:

* As a signed attachment to an e-mail <arrl@chwatco.com>

* As a signed fax to 703-684-7594

* As a regular letter to John Chwat, Chwat & Co, 625 Slaters Ln, Suite 103, Alexandria, VA 22314

If you choose to e-mail your letter, please send it as an attachment to the e-mail instead of having it be the text of the e-mail. This allows the letter to be easily printed and delivered. Should you decide to draft your own letter supporting HR 2160 instead of editing the sample, Henderson asked that you please remember a couple of things:

* Identify the bill by number and title: HR 2160 -- The Amateur Radio Emergency Communications Enhancement Act of 2009

* Keep the letter brief and on topic -- one page at the most

* Ask your congressional representative to consider becoming a cosponsor

* Thank them for their consideration

"Simple is better when making this kind of request to a representative," said Henderson. "They and their staff are looking to gauge interest and support for the bill. A lengthy letter that strays off-topic can detract from the focus of asking for support for the legislation."

Should you decide not to send your letter to Chwat & Co but directly to your Representative, it is still important to send a copy of your correspondence to Chwat & Co. This

allows Chwat to discuss accurately with the Congressman and their staff the amount of support for the bill in each individual district. "There is strength in numbers," Henderson added.

Aside from bill sponsor Representative Sheila Jackson-Lee (TX-18), the ARRL is fortunate to already have six additional members of Congress who have signed on as co-sponsors of HR 2160 -- Madeleine Bordallo (Guam), Brett Guthrie (KY-2), Mary Jo Kilroy (OH-15), Zoe Lofgren (CA-16), Blaine Luetkemeyer, (MO-9) and Bennie Thompson (MS-2).

"We congratulate ARRL Great Lakes Division Director Jim Weaver, K8JE, and his grassroots legislative action team in Kentucky for securing the support of Representative Guthrie -- the first new co-sponsor of the bill," Henderson said. "It shows that our grassroots effort can work!"

You may be asking yourself "What should I do if my Representative has already signed on as a co-sponsor for HR 2160?" The answer is simple: Thank them for their support. If your Congressman is one of those listed as a co-sponsor, please send them a letter thanking them for their support. Use the same contact information for Chwat & Co. "It is important to convey your appreciation to your Representative when they sign on as a co-sponsor or support the bill," Henderson explained. "That simple 'thank you' may help open the door the next time their help is needed."

Once you have prepared and sent your letter supporting HR 2160, your job is not over: Feedback is an important part of the process. "What your Congressman has to say in regards to your contact can provide the ARRL with important information as we try to push our bill forward," Henderson noted. "This feedback can possibly help us identify potential new support for the bill or a weakness in the legislation we may need to address."

When you receive a response from your Congressman, please forward a copy to the Regulatory Information Office at ARRL Headquarters via e-mail reginfo@arrl.org or hard copy to Regulatory Information, ARRL, 225 Main St, Newington, CT 06111.

"HR 2160 presents the Amateur Radio Service with a unique opportunity -- but also carries with it the important responsibility of making your voice heard," Henderson summarized. "HR 2160 stands as the first step in trying to address the long standing problem of extending the protections afforded Amateur Radio operators under PRB-1 to deed restrictions and covenants http://www.arrl.org/FandES/field/regulations/PRB-1_Pkg/prb-1.pdf. To be clear, passing HR 2160 is not going to achieve that goal right away. But it will help lay the ground work by assessing the impact such restrictions have on our ability to train for and respond to disasters and other emergencies."

Extra Class ?

Last month I put out a plea for interest in an Extra license class in the area. So far I have only gotten 1 response. Unless there is more interest we will probably not be offering the class. So if you are interested in the an Extra class, please leave me a note. Now is the time to do it.

73

Mike WA6ARA
wa6ara@gmail.com

Transmitter Hunt!

The next transmitter hunt will occur on 06 June The start point is the parking lot of the Heritage Inn, same spot as the SARC meeting. Start time will be 0900, and will last about an hour. If you don't have any T-Hunt gear, come along anyway. We will hook you up with someone who does and join the fun. This may be our last one for the summer, so make sure you make it.

The Bishop Ultra Marathon

At the request of Jon, NW6C of the Bishop Amateur Radio Club, Bill, WA6QYR; Judy, KC6UTF and Paco (dog License) traveled to Bishop on Friday 15 May and camped in their trailer at the Brown's Town RV Park on the south side of Bishop. This was to be the 16th Annual Bishop High Sierra 100K Ultra-Marathon and the radio club was doing the communications just like SARC covers horse endurance, bicycle and people runs. This year there were more people entered in the race, some 295. This is up from about 220 of the previous year. There were some 14 sites that needed radio communications. Millpond, which is just west of Bishop, was the start and finish at 4200 ft elevation. As with most of the SARC races it started at 0600 on Saturday morning. This is a shotgun start with all 4 races beginning at once; 100k, 50 miles, 50k and 20 miles. The Burns' crew was assigned the Junction aid site and was told to be there before 0800 when the runners would be starting through. Junction is a site out in the boonies off of some dirt roads at about 5000 ft elevation. Other sites went up the US Highway 168 to the Bishop Creek Lodge at 9200 feet elevation. Most of the trail was on dirt roads and motorbike trails. All the trails were marked with the usual pink surveyors tape and a clothespin to the bushes. The Burns found the dirt roads and made it to their site about 7:45, but runners were already making it up the roads so we had to slow down and pull off where we could to let runners by. Tom and his Aid Station Crew were on site about 0600 and were in the process of aiding runners with all kinds of drinks and snacks. The Burns positioned their pickup to where they could see the runners coming up hill then again on the down hill trail. All the classes of runners would pass through this site twice. We had our EZ-up shade and two batteries to keep the radio running and the cooler running with drinks and snacks. The BARC 146.94 machine was the link to

all sites. Like all the long distance events we were going to be there until about 9 pm.

Friday night we had ventured out to Millpond to see what the start would look like. We met Dick, W6SLZ from Tehachapi club and his wife. They took the Tungsten City site, which was much lower in elevation but would be near the end of the race, so would end later in the evening. We heard it could run as late as 0100 Sunday morning. Dick had some other friends from the Tehachapi Club to help with one of the other sites. We had stopped in Bishop on Friday and found the race leader, Marie, in the local sports shop and talked with her about the race and the sites. Marie had this event very well organized.

As with all these long endurance events, there were some folks that had physical problems come up and needed to sit or lay down and rest for a while before either calling it quits or changing the distance they were going to attempt, or continuing on. This climb of 5000 feet in elevation is something else along with the distance to be covered horizontally. There were those who missed a trail marker and went some extra distance before coming back to the trail. Some had gotten off track and missed some of the aid/radio stations. This is something the race folks would have to deal with on scoring.

The last runner made it through the Junction station around 6:30 pm so both the aid station and radio crew broke down and went home. The weather was great. At our station it was around 80 degrees with a nice breeze for most of the day. Snow in the Sierras to the west of us made for a great view. The weather forecast was for thunderstorms and high 90-degree temperatures. I sure am glad that didn't happen. I can see that the lower sites could be very hot if the wind doesn't blow, etc. We ventured down to Millpond and turned in our log sheets. We got to meet Jon and some of the other BARC members that we had only heard on the radio. Jon had a busy Friday beating on the 146.94 machine to clear up some noises and intermittents. It worked very well during the race.



The Junction site of the 16th Bishop High Sierra Ultra-Marathon. Judy KC6UTF at the radio.

PUSHUP MASTS

Someone recently asked if I had a source for push up masts. I had found a source in the LA area years ago but when I check not too long ago, they were kaput! This week I found a source from a pop-up ad on EHAM.NET and I called to get more information, mainly on what bank I would need to rob for shipping.

The 3 Star Company in VA is an authorized ROHN dealer and has the best deals I've seen on push up mast in a while. Now granted, they aren't cheap when you add in shipping but if a bunch of club members / local hams wanted to go together and get masts the shipping approaches reality quickly. Keep in mind, we're talking TRUCK SHIPPED not UPS or USPS due to size and weight.

First I will tell you that ACE Hardware in Inyokern has Channel Master 30 foot 3 section masts at \$100 ea. They were \$50 last time I bought them but I checked a couple of months ago for a guy from Lancaster and they had doubled OUCH!!!!

The guy at 3 Star (online at <http://www.cableandwireshop.com>) I spoke to said that they had negotiated the best rate they could for shipping via truck. I got a sample quote from him for quantity 5 of ROHN 40 foot (4 section) push-up masts. Shipping would be \$133.90 or \$27 ea for shipping in qty 5.

Now before you vapor lock, he told me that the basic cost for shipping that weight from VA to CA was are you ready better be sitting down \$558.00. I found that to be a bit absurd and hard to fathom but hey, who am I to call someone a liar unless I know better.

Anyway, if you are interested, these are ROHN high quality push up masts (these have bottom 3 sec of 18 ga and top sec of 16 ga galv steel) and come in length of 30, 40 and 50 foot (actual size is a bit shorter due to section overlap). The 30 footers are \$75 plus shipping, 40 footers are \$95 plus shipping and 50 footers are \$120 plus shipping. If we could get an order of say 10 or more masts, we should be able to cut the shipping cost dramatically.

I will organize and place the order unless someone else wants to. I will ask for cash up front for the masts and a fixed amount for shipping. Remainder due on delivery.

Pass the word to other hams that you know who may want to get onboard. If you're interested, let me know what height and how many and when we get enough folks, I will get a quote and finalize the deal.

Gene W5DQ
w5dq@mchsi.com

Randsburg Repeater News

Jerry KK6PA, Tim NH2BV, and myself met Ralph KQ6UU and Todd W6TOD at the repeater site Friday, 29

May 2009 ,about 0800. The 145.34 MHz repeater has been having problems for several months. The relative signal strength of the repeater output on 16 March was about -66 dB. This degraded over the following weeks to about -76 dB on 25 May. The sensitivity of the repeater receiver was also poor. I generally needed 50 W into a beam from my QTH to work the repeater with a marginal signal.

After our repairs, the repeater output measured at -54 dB and I could work the repeater with a good signal using a 5 W handheld and a 5 dB omni antenna from my QTH.

The team that had done initial troubleshooting on Wed. had thought that a possible lightning strike had damaged the antenna, coax, and bandpass filter. We started our troubleshooting by sweeping the antenna feed line from the bandpass filter output to the antenna with the antenna connected. We used both the Wiltron antenna analyzer and a Rhode and Schwarz FSH6 handheld spectrum analyzer with tracking generator. The FSH6 has the advantage that, with a VSWR bridge, the unit can calculate the distance-to-fault within a transmission line. We used this capability to determine that a large reflection (about -5 dB return loss) was occurring within the transmission line about 22 feet from the BP filter (within the building). We thought the best way to eliminate that bad section of the Andrew HJ5-50 heliax 7/8" coax was to replace it with a length of 1/2" coax that Jerry had brought. We cut out the bad section, remounted the coax connector, and discovered we had another high reflection point about 9 feet further out (outside the building in a horizontal run before bending and running up the tower to the antenna).

As Jerry and Tim flexed the cable outside, I notice that the reflection point moved from 9 feet to about 12 feet. We had discovered water in the section that we had just removed, so we thought that we likely had water in this section, too. We decided to try "plan B": use a spare 1.625" diameter coax running up the tower to a no-longer-used dish antenna. Tim ascended the tower and discovered the coax terminated in a coax-waveguide adapter. We did not have a suitable replacement coax connector for this cable.

We then reverted to "plan C": drill small holes in the bottom of our heliax to drain the water. An amazing amount of water dribbled out the holes. We did not find a path for the water to have entered the cable. Possibly condensation over many years may be the cause. The reflection level at 12 feet eventually dropped to about a 20 dB return loss. The final feed line and antenna showed about 4 reflections over the entire length of feedline with all in the range of -20 dB return loss. Composite return loss was about 11 dB or a VSWR of 1.8 at 145.34 Mhz. We did not seal the holes we drilled in the coax. Water was continuing to drip out. We thought it better to allow the heliax to continue to drain over the summer.

We swept the BP filter and found that it was good. The filter has about 0.9 dB loss at the transmit frequency and about 0.5 dB loss at the receive frequency. Loss at frequencies below 135 MHz and above 172 MHz range are both >60 dB.

We turned on the repeater and had a QSO with a Tehachapi ham. Jerry discovered that, although the ham was scratchy going through the repeater, he was quite clear on reverse on Jerry's mobile rig. This indicated we still had a problem with the repeater.

Todd checked output power with a Bird wattmeter. Transmitter output was about 37 W. Power out of the BP filter was less than 0.5 W. We discovered the 3 foot coax jumper between the output of the cavity filters and the BP filter had a 20 dB loss. Examination of the coax showed it had been partially crushed, perhaps by the cabinet door. We replaced that coax with a piece of 1/2" heliax. The power out of the BP filter was now about 17 W. This matched closely with the loss through the BP filter and cavities (2.1 dB) or a total of about 3 dB of filter loss. We did not measure the coax loss to the antenna... we could have but just didn't think about doing it at the time. The receive level of the Tehachapi ham was now quite good into the repeater. We returned to Ridgecrest about 1430 and were able to converse mobile-to-mobile through the repeater most of the way on 395 and with some dropouts around R/C.

The recommendation to the repeater committee is to replace the 7/8" heliax.

Both Tim and myself took a number of photos during the day. Jerry has some cell camera shots, also. We'll go through those and provide a few for the newsletter.

Greg Roush
WA7IRW

Ham Quick Tip

Got a quick tip to make ham radio more enjoyable, cheaper or just be cooler, send it in and share it!

FOR SALE

Cushcraft A4S 3-band HF Yagi. Never assembled. It's essentially brand new. \$500.
Contact Jerry Brooks, KK6PA

Check out the SARC Web Page
www.qsl.net/wa6ybn/

MEMBERSHIP APPLICATION
SIERRA AMATEUR RADIO CLUB of the HIGH MOJAVE

Please fill out this form. It is used to make the club roster and newsletter mailing list. This form must accompany all membership and badge payments. All renewals are due 31 March. Please mail this application and your payment to SARC, POB 1442, Ridgecrest, CA 93556-1442 or give them to the Secretary at a meeting.

Membership – Please circle one

Individual via Mail - \$20.00	Individual via Email - \$17.00
Family via Mail - \$30.00	Family via Email - \$27.00
Full time student via Mail - \$10.00	Full time student via Email - \$8.50
Active Duty Military via Mail - \$10.00	Active Duty Military via Email - \$8.50

Individual or First Family Member

Date _____

Name: Last _____ First _____ Call Sign _____

Novice ___ Tech ___ Gen ___ Adv ___ Ex ___ ARRL Member : Yes ___ No ___

E-Mail Address _____ (Note: Email address is not shared, for newsletter only)

Mailing address: _____ City _____

State _____ Zip _____

Phone: _____

Second Family Member (For more family members please duplicate)

Name: Last _____ First _____ Call Sign _____

Novice ___ Tech ___ Gen ___ Adv ___ Ex ___ ARRL Member : Yes ___ No ___

DO NOT DETACH

BADGE ORDER

DO NOT DETACH

The club badge shows your Amateur Call, your Name and Sierra Amateur Radio Club. It will identify you at club meetings and public service events. To order a badge, provide the information below and, include \$11.00, for *each* badge in Membership Application total above or with this form and mail to SARC, POB 1442, Ridgecrest, CA 93556-1442 or give it to the Treasurer at a meeting.

Name to put on my badge is _____ (What you like to be called)

Amateur call for my badge is _____

THE AIRWAVES NEWSLETTER

June 2009

RACES, ARES and INDIAN WELLS VALLEY EMERGENCY NET MEMBERS

In case of impending or current emergency, monitor the SARC translator on 146.64/04 MHz or the backup simplex frequency of 146.52 MHz. W6PM, Mike or AI6A, John, the local RACES ECs, will coordinate mobilization. An Emergency Net Control Station will direct radio communications. Check in. State your capabilities. Be prepared to go outside the IWV for at least three days. An E-Pac should contain: your RACES card, radios and accessories, batteries, charger, paper, pen, clipboard, flashlight with spare batteries, timepiece, headgear, sunglasses, spare glasses, your medications, your medical history, first aid kit, severe weather clothing, non-perishable food, 3 gal. water, sleeping bag.

**SIERRA AMATEUR RADIO CLUB
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