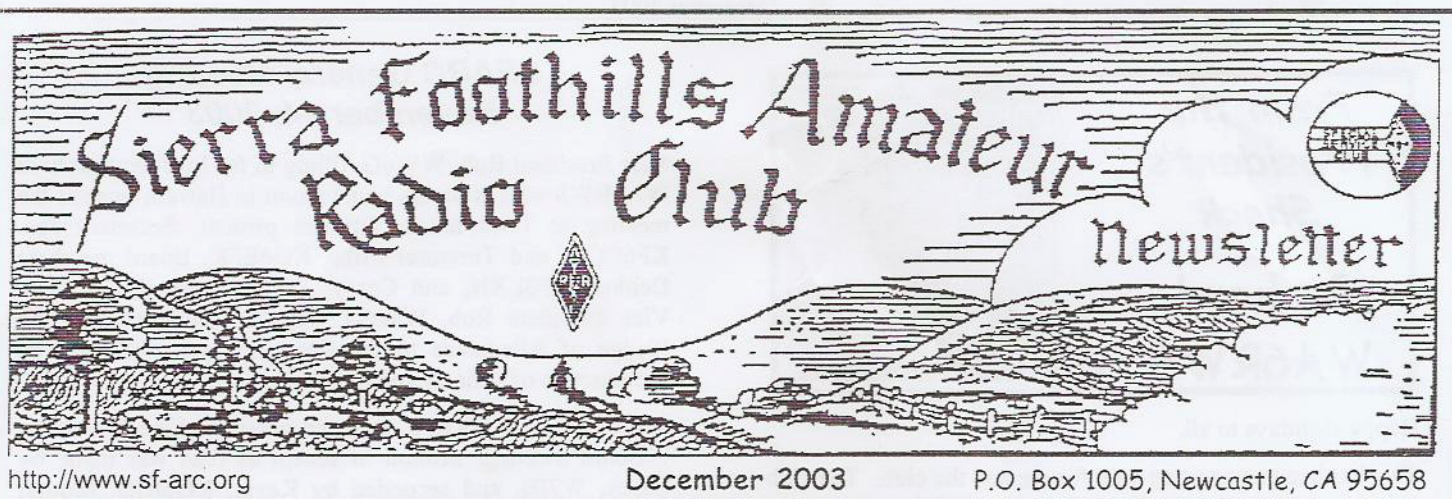




2003/4 Calendar of Events

(Operating Events in Italics)

PRESIDENT

Richard Kuepper, WA6RWS
530.878.6220
rkuepper@juno.com

VICE PRESIDENT

Rob Carpenter, WW6G
916.984.1892
ww6g@arrl.net

SECRETARY

Joe Sylvia, KF6OQY
916-797-3149
jsylvia@vfr.net

TREASURER

Mike Hudson, KG6EFK
916.624.4714
mihudson@firstam.com

DIRECTORS

Debbie Cunningham, KF6LXN
916.663.4143
dmc@midtown.net
Bob Boeckman, WA6ULL
916.987.9910
wa6ull@aol.com
Casey McPartland, W7IB
916.660.9680
w7ib@arrl.net

REPORTERS

Satellites: Greg, KO6TH
History: Gary, KQ6RT
Digital: Rob, WW6G

REPEATERS

145.430 (-0.6 MHz/PL 162.2)
440.575 (+5.0 MHz/PL 94.8)
223.860 (-1.6 MHz/PL 100.0)

CLUB NET

All welcome to check in
Thursdays, 7:30PM, K6ARR/R
145.430

CLUB MEETINGS

Second Friday of the month,
7:30PM at the Auburn
Library, 350 Nevada St,
Auburn

CLUB BREAKFAST

Last Sat of the month at
Susie's Café, Cirby at
Riverside, Roseville - 8:00 AM

NET CONTROL OPS

Dave Jenkins, WB6RBE
Gary Cunningham, KQ6RT
Joe Sylvia, KF6OQY
Casey McPartland, W7IB

WEBMASTER

Justin Carpenter, KG6NYD
rancourt@houserancourt.org

NEWSLETTER EDITOR

Fred Jensen, K6DGW
VOX: 530.885.8251
FAX: 530.745.9622
k6dgw@arrl.net

- Dec 5-7 *ARRL 160m Contest*
Dec 12 *SFARC Holiday Dinner*
Dec 12-14 *ARRL 10m Contest*
Dec 27 *Club Breakfast*
Dec 27-28 *Stew Perry 160m Challenge*
Dec 31 *Straight Key Night*
Jan 3 *Kids' Day*
Jan 3-4 *ARRL RTTY Roundup*
Jan 9 *Regular Meeting*

IN THIS ISSUE

Officers' Reports

Picnic Report

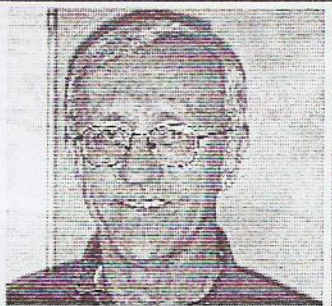
"Its His Opinion"

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From the President's Shack

**Richard
WA6RWS**



Happy Holidays to all,

This has been an exciting year for me and the club. The club is in good shape financially and membership is continues to climb. I have been so fortunate to have such great supporting officers and directors. At the November meeting, you have elected members that are proven leaders to continue moving the club forward into 2004.

Our Christmas party is going to be packed with some exciting events, so mark your calendar for December 12th and bring your family. This year there has been two hams and two turkeys donated for the dinner. I am trying to figure out who the hams are and who the turkeys are!!! Gary, KQ6RT has some great prizes for the raffle including an ICOM 2720H as the grand prize. Have you purchased that winning ticket? Come to the dinner and buy that winning ticket.

Thanks Rob for filling in for me while Kerry and I were honeymooning in Hawaii. Thanks to the club for approving the money to help fund the defense against BPL.

Thanks to George, KG6LSB for coming up with a name for our newsletter, "Sierra Signals". What a great name!

Thank you Ed, KQ6CK for your generous donation to the club.

As the year comes to a close, I want to thank each and every one of you for your support, enthusiasm and dedication to the club. I have truly enjoyed being your president and will leave with many good memories.

See you all at the Christmas party and have a great holiday.

73,

Richard, WA6RWS

Secretary's Report

**Joe
KF6OQY**



SFARC General Meeting November 14, 2003

Vice President Rob, WW6G, filling in for President Richard WA6RWS who is on his honeymoon in Hawaii, opened the meeting at 1940 hours. Officers present: Secretary Joe, KF6OQY, and Treasurer Mike, KG6EFK. Board members Debbie, KF6LXN, and Casey, W7IB, were also present. Vice President Rob, WW6G, led the membership in the Pledge of Allegiance to the flag. This was followed by introduction of officers and members.

Secretary Joe, KF6OQY, read the minutes of the November 7 Board meeting. Motion to accept as read was made by Casey, W7IB, and seconded by Kevin, KG6RIO. Motion was carried. Mike, KG6EFK, gave his treasurer's report and also announced that John Ahlstrom, KQ6CK, had donated one hundred dollars to the club. Motion to accept the treasurer's report as read was made by Bill, WI2L, and seconded by Richard, NU6T. Motion was carried. Joe, KF6OQY, sent a thank you card to John for the donation.

Rob, WW6G, gave a VE report and also announced that Bob, WA6ULL, didn't attend the meeting due to the hospitalization of his son. We all wish him well. Jim, K6ARR, reported that the 220 machine was down and he is currently checking to see what is wrong and will report his findings when he determines the cause of the failure. Rob, WW6G, encouraged the membership to use the 440 machine as much as possible. It was mentioned that we could use it following the Thursday night nets.

Casey, W7IB, did a report on the ARES participation of the hospital disaster drill of Thursday November 13. He reported that not many messages were sent but overall it went well. The OES personnel were pleased with the results and said that ham radio would be invited to participate again in the next drill. Casey, W7IB, also thanked all of the operators who participated for their efforts.

It was decided that the club should send a get well card to Don Tollefson of Batteries Plus who had heart surgery recently. Joe, KF6OQY, will send the card to him.

Gary, KQ6RT, had the Christmas party grand prize (Icom 2720H 2 meter/440) on display and sold some tickets for the drawing. Under new business as was in the Board meeting minutes of November7, Rob, WW6G, presented to the membership a request to send one hundred dollars to the ARRL BPL defense fund. After some discussion, Kevin, KG6RIO, made a motion to send the money to ARRL and this was seconded by Bob, KF6RCB. Motion was carried.

Casey, W7IB, and Rob, WW6G, did a mini presentation on the origin of the term Elmer as used in ham radio. This turned out to be a fairytale which was very humorous and enjoyed by all.

The slate of officers for 2004 is as follows:

President:	Rob, WW6G
Vice President	Casey, W7IB

Treasurer Donna, KD6PJN

Secretary Bob, WA6ULL

Directors:

Larry, AE6CE

Kevin, KG6RIO

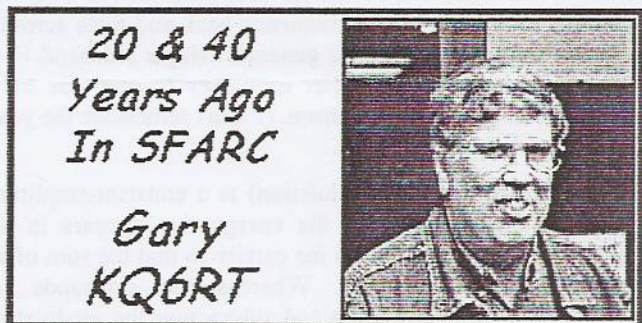
George, KG6LSB

Nominations were opened at this time for more names but no one responded. A motion was made by Bob, KG6BQG, to close nominations and accept the slate as shown. This was seconded by Casey, W7IB. Vice president Rob, WW6G then declared the nominations closed. The club Christmas party will be held on December 12 at the Canyon View Community Center in Auburn. The building is located on Maidu Drive at the very end on the right side. The hours are as in the past from six to eleven PM. We have two turkeys and two hams that have been donated. We ask that the membership with last names starting with A thru M please bring a side dish and M thru Z a dessert. Also that you bring your plate and utensils. Meeting was adjourned at 2100 hours.

Respectfully submitted,

Joe Sylvia KF6OQY

Secretary



Forty Years Ago
December 11, 1963

The Dec meeting was called to order by pres. Frank, K6TFD. Reading of minutes and treasurers report was waved as there had been no business at the last meeting. The election of officers for 1964 was held with the following results:

Presidentn Clay Goodpastor, WA6UHV

Vice Pres. Sage Otow, K6ZWZ

Secretary Ken Weger, WA6EMU

Treasurer Carl Rolufs, K6QKO

No activities chairman was elected, it was decided to make it appointive for each meeting. A motion was made and passed to put \$250 in a savings and loan

to draw some interest. Treas. Dick Lund will take care of the deposit, putting it where it will draw the most interest.

Motion made and passed that all those paid up for 1963 will be applied to 1964 dues.

It was decided to get some type of door prize or buy a \$5.00 gift certificate to give away along with the gift certificate that is donated by Cal TV.

Gus, K6BIJ gave a fine talk on TVI from an article he wrote for 73 magazine. He presented his way of preventing TVI which was different from the way it is done in most equipment on the market today.

Two cakes, provided by Ken Weger and Jim Carman were served by Mrs. Goodpastor. A general discussion of the ARRL's incentive licensing program was had by all. The meeting was adjourned by Frank Carman, K6TFD.

Note: The meeting was held at Clays home. We will meet there next month again.

James Carman, Sect.

73,

Gary, KQ6RT

EMSA Drill Report

Hi all. Well the EMSA Drill is over and I think it went quite well. Sorry about my signal on Sunday night. I should have asked for a signal report, knowing that I had put my antenna in a different location.

Rob, WW6G, will be our new AEC for digital communications. He wants to know how many of you have digital working right now ... packet or anything else ... either VHF, UHF, or HF. Let me know Also how many of you would be interested in getting into it. The plan is to have Rob put on a presentation on packet at our meeting in January. This will be on a Sunday evening and will be an ARES meeting. Other things will be discussed including a plan for the year to come.

I am still going through our roster and when I get it finished I will send out a new one to everyone. I probably won't get into anything too involved the rest of the month and in December, people will be busy with the holidays.

There will be an ICS refresher class put on by the Roseville Fire Dept on Dec 3 at 6:30 PM. If you're interested, please let me or Kevin, K6KWD know. There will be a National Weather Service exercise put on Dec 5/6 in Sacramento. If you're interested, contact me or Casey, W7IB. Actually, all

of this will keep us busy the rest of the year. See you on the net on Sunday. Maybe I can put the antenna back out in the back yard.

73,

Joe WB6AGR
EC Placer County

New Technician Radio Class

Members of the SFARC are planning to present a Technician Licensing Class in Auburn starting in January. Time, place, and exact format will be announce as we move closer. Interested parties please email w7ib@arrl.net with your name, phone number, and email address.

Thanks and hope your Thanksgiving was plentiful.

73,
Casey, W7IB

(Ed Note: Again, timing is everything ... see next article)

You May Already Be Upgraded!

(Thanks to Les Cobb, W6TEE)

w6tee@qsl.net

When the FCC restructured the licenses on April 15, 2000, they recognized that early Technicians had satisfied all of the new requirements for General Class. This was more than just 5 WPM code. Technicians prior to March 21, 1987 took the same written test as Generals. After that date, Technicians were given their own written test and it doesn't count for the General. No Code Technicians began February 14, 1991, so an issue date of 3/21/1987 or earlier shows that both code and the General written exam has been passed.

There are some technicalities for partial element credit for other dates, expired licenses, and/or Novice licenses. Check <http://www.arrl.org/arrlletter/00/0225/#tech>

Qualified Technicians can go to any VE session, present proof of holding that license prior to the magic date, and be upgraded with NO testing. Proof would be any license that was issued before the required date, an old callbook showing your license class, or, QRZ has a web page showing their first list in 1993. Now, 1993 is well after 1987, but it does show the date the then-current license was issued, and many people have lucked out with a favorable date of issue on that listing.

If you qualify and need more help, let me know. When this was first an issue, I had a 1987 Callbook cornered, and I hope that Ham still has it. The 1987 Callbook is as of late 1986. If you were lucky enough to save your old license, that is all you need. Take the original and a copy both of your current license and your proof, and photo ID. The regular VE fee changes in 2004, and will be due.

This "Brass Ring" has been available over three years. Do something about it before the VEs forget what you are talking about, even if you don't currently need the privileges. You never know.

SFARC Trivia

Last month's trivia posed the two burning but non-musical questions:

1. Does CW create sidebands?

In a word, "yes." Any time you alter any characteristic of a radio frequency signal, and turning it on and off is altering its amplitude, additional energy appears on either side of the signal. The more quickly you cause it to go on and off, the more widely spaced the additional energy becomes. We call such widely spaced energy "key clicks," whereas, if we carefully control the rate at which the signal is turned on and off, we call it "CW" (the first digital mode).

2. In SSB, we start with an AM signal, and then eliminate the carrier because it actually "carries" no information. We also eliminate one of the sidebands because both carry the same information. Why don't we have "single sideband FM?"

Many years ago, a QST article proposed that, if FM was simply moving the carrier frequency back and forth across a center frequency, one could generate "single sideband FM" by simply moving the carrier frequency to one side only, thereby taking half the spectrum. (I don't remember the year, but it was in an April issue).

FM (and PM -- phase modulation) is a constant-amplitude system. This means that the energy that appears in the sidebands has to come from the carrier so that the sum of all energy remains constant. Whereas AM sidebands are generated by simply adding and subtracting the modulating frequency from the carrier, FM and PM sidebands follow much more complicated mathematical functions (Bessel Functions). If we were to filter the FM signal to remove one of the sidebands, it would no longer have a constant energy, would no longer be FM, and the distortion would be severe.



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It's His Opinion

(Casey McPartland, W7IB)

(Disclaimer: The thoughts and ideas put forth in this article come from out of the ether. I sometimes intersperse my thoughts in an effort to maintain continuity, but for the most part it's just his opinion!)

Well, it's happening again! HPM has been channeling his thoughts, ideas and impressions of what's going on in ham radio to me. It's something like having a very old headache that just doesn't want to go away--

There are a number of issues that impact the amateur radio community in 2003-2004 that need to be addressed and clarified. There's that ever-boring and emotionally charged "Morris Code" issue, the BPL dilemma, the passive aggression of the FCC, the variety of perceptions of Amateur Radio held by the public safety community, and on and on and on. With the possible exception of the "Morris Code" issue, and maybe even including the Code, ham radio's big problem is public relations. We basically don't have much!

Let's tackle the Code first. You can see that right off the bat the name of the Code is badly handled...it's Morse, not Morris. I never met Samuel Morris, so I couldn't possibly tell you what he did, but Morse is here in the ether with me, and boy is he ticked! He sez he feels like that guy who invented the term "nuclear" and has to listen to everyone say "new-que-ler." Sometimes life just isn't fair!

The rationales on both sides of the Code issue are pretty absurd. On the one side we hear that it's old, antiquated, no longer used, and that the "few" who use it are old cave dwellers who are afraid to have their voice heard. On the other side are those that say that all who feel that CW isn't necessary or viable are "lids", and don't know what it's like to get a real license! No matter what this old man feels, I believe that most hams are somewhere in the middle, and don't really want anything more than to have this annoying issue put away. I believe that they are standing quietly by while the "battle" rages...a lot of noise, indicative of nothing!

This is one of the public relations issues I spoke of. The largest group would like to get on with it, and handle more pressing issues, and there are plenty. The public, if they are interested at all, only sees the constant bickering and loud-mouthed banter - so there's maybe 500 or 1000 of us making the other 650,000 look like spoiled children. Please, never again ask why most hams are "fat, old, gray haired men"; if you were 12, 13, ...17, would you want to get involved in a "hobby" where the majority stood by while the few found new ways to hassle each other?

Wonder what would happen if someone started a thread on QRZ.com and voiced the opinion of the "silent majority?" If someone just said, "Enough already, let's just make our comments to the rule making proposals, lobby the 'powers that be' in a proper way, and let the chips fall where they may..." If someone said that, what would the majority do? Sit back and say, "...it's no use..." or take action by

commenting? Ya never know, maybe someone should try that as an experiment (huh, someone?) That just might turn out to be a very positive form of public relations.

For the sake of space and time I'm not going to go into a lot of detail on the other issues at this time, but I think that the issue of public relations is important. Many would ask what need Amateur Radio has for more public relations? After all, we have QST, World Radio, and whoever else is still publishing, plus we have all of those newsletters, e-zines, and websites. True enough! But HPM asks this, "Who reads them?"

"Hams, of course!" comes the answer.

So I ask, "But who are we trying to influence?" And the answer occurs to me, "Everyone else!"

As a result of the recent monster wildfires in SoCal, a major article was published in a San Diego paper. This article was about the difficulties encountered by various departments trying to communicate amongst agencies. A tremendous number of column inches were allocated to this article, and yet not one mention was made of Amateur Radio. They mentioned how firefighters had brought, or purchased FRS radios for intercommunication, or how cell phones were used, but quickly failed, etc., but no mention was made of the large numbers of RACES, ARES, SAR hams, Salvation Army hams, etc. engaged and operational across the span of the whole incident. No mention!

Such are the cases where a small bit of public relations in the form of an article, and op. ed., or letters to the editor could elevate Amateur Radio, and the good works that hams perform almost daily, to a new level in the public consciousness. It's time. Over 600 thousand hams present a large special interest, and a little public relations would make clear the value that we bring to every community. We might even convince ourselves! Relate Publicly!

--Woof! Thanks goodness that's over, but I know he'll be back, there are many more issues to tackle, and to have fun with. Enjoy the holidays and keep thinking - it's essential.

From the Old Man, Me and Oscar the 7 wpm Dachshund, 73 and all the best for 2004!

Don Tollefson
Owner



Batteries Plus

8025A Greenback Lane
Citrus Heights, California 95610-6509
Telephone 916.722-3300
Facsimile 916.722-2489
www.batteriesplus.com

New Year, New Name, New Look?

For 2004, we have a new name for our newsletter, "Sierra Signals," proposed by George, KG6LSB, and chosen by the Board. Personally, I think it's a really, really cool name. "SSS-PH-ARRRC News" never did have a ring to it, and sometimes it sounded like a stifled sneeze, or worse. I thought all the good names (USA Today, Washington Post, Columbus Dispatch, etc.) were taken, but George has conclusively proved otherwise.

The masthead we've used for years was created (with pen and ink -- remember those?) by Russ Ahlberg, and has survived scanning and pixel editing to keep things readable. Russ became a silent key recently, and while his masthead will be in the archives forever (well ... at least as long as CD-ROM's last and there's equipment to read them), we need a new masthead for our new name.

Richard has volunteered his new bride Kerry for that effort. *(He may want to rethink that ... those of us males who have survived the married state for a few years grow pale at such a bold action)* Possibly, given the creativity in the club, we could help her out. I am a retired engineer, and I have no creative skills that do not involve electrons, and even those skills are scarce these days. So unless you want some real garbage, gather your pencils and pens and create!

Two things are really up for grabs, so to speak:

1. What the pages look like.
2. Everything else.

Starting with "everything else," we really need some input from the members. Thanks to Greg, Casey, Rob, Jettie, the officers, and a few others, we have a steady source of really great stuff. However, I know you all do lots of things in this hobby. You build antennas, you get new gear and make it work, you participate in emergency communications activities, VE tests, classes, mobile trips, contests, new modes ... you name it. Can you tell us about it? Does a "Member of the Month" mini-biography sound interesting? Construction ideas? The very simple thing you figured out may solve a big problem for another member. And, no fooling, with the steady(?) decline in solar activity, we really need someone to prognosticate propagation each month.

What should your newsletter look like? Well, we do need to incorporate the new name into a new masthead. It's also all done in MS Word, and we can do a lot of things different if needed. Tired of the engineer-produced column headers? Is the print too small? One column or two?

You probably get the idea by now. SFARC has become a growing and vibrant club yet again. Now's the time to decide what we want in our newsletter for the new year.

The best of the holidays to you all, and Happy New Year.

73,

Fred, K6DGW

Project Blue Light

(From Dennis, N6PMI)

The Placer County Sheriff's Department is again encouraging residents to display blue lights throughout the month of December in honor of Project Blue Light.

This nationally observed annual campaign serves as a memorial to fallen law enforcement officers. Families of military personnel have also been known to adopt the program by displaying blue lights year-around in support of those fighting overseas.

This year the campaign has special meaning to the Sheriff's Department due to the loss of two deputies in early 2003. Though Deputies Karen Johnson and Paul "Woody" Woodruff did not fall in the line of duty, we still honor their memory with this project.

You can participate by displaying Project Blue Light posters in your office. Contact Amanda Flaherty via email or at (916) 791-5884. Be sure to note how many you'll need and what location they can be inter-officed to.

At home you can display blue lights as outside decorations, in windows, or by using a blue porch light. This will provide encouragement and show your appreciation for the dedicated men and women who risk their lives everyday to keep our community safe.

Thank you for your support!

National Ham News

(From the ARRL Letter, Bulletins, and other sources)

FCC adds Part 15 spectrum at 5 GHz, turns down ARRL request

The FCC has made another 255 MHz of spectrum available in the 5.470-5.725 GHz band for unlicensed Part 15 National Information Infrastructure (U-NII) devices, including Radio Local Area Network (RLAN) devices. In a Report and Order in ET Docket 03-122 released November 18, the FCC said it was taking the action to alleviate crowding in existing allocations and to align U-NII bands in the US with bands elsewhere in the world. The FCC turned down an ARRL request to keep U-NII devices out of the 5.650 to 5.670 GHz segment to avoid interference with the Amateur Satellite Service. Amateur Radio has a secondary allocation from 5.650 to 5.925 GHz.

"We are not persuaded that we should either add or modify our proposed rules as requested by ARRL," the FCC said, adding that its dynamic frequency selection (DFS) and transmitter power control (TPC) requirements "will in fact protect amateur operations," although they're not specifically designed to do so.

Commenting in the proceeding September 3, the ARRL expressed concerns about "potential aggregate interference" from U-NII devices to Amateur Radio space stations in the 5.650-5.670 GHz band. The League did support of other

elements of the FCC's proposals, however, including a power limitation of 1 W EIRP, and said hams were willing to cooperate with the RLAN industry on other sharing-related issues.

In its comments, the League said the amateur allocation at 5.650 to 5.925 MHz "has been subject to 'death by a thousand cuts.'" The FCC's most recent action leaves Amateur Radio with "relatively uncompromised access" to a 25-MHz segment at 5 GHz--5.825 to 5.850 GHz, the ARRL said. That includes a 20-MHz-wide satellite downlink segment, 5.830 to 5.850 GHz. Federal government users are primary over the entire band.

The Commission said that because of the large amount of spectrum it's adding to the 300 MHz of spectrum already available for U-NII devices, it expects the density of devices to be relatively low. "We believe that this low density of devices coupled with our technical requirements will provide adequate protection to all incumbent systems in the band, including amateur satellite uplink systems," the FCC said.

The R&O culminated a 2002 Petition for Rule Making from the Wireless Ethernet Compatibility Alliance (WECA), now known as the Wi-Fi Alliance.

EMCOMMWEST 2004 - RENO, NEVADA

- May 22-23, 2004
 - Exact Location: To be announced
 - More Info: www.emcommwest.org/
-

SANTA BARBARA CLUB TO HOST USA ARDF CHAMPIONSHIPS

or

"How many ways are there to enjoy this hobby?"

The Santa Barbara Amateur Radio Club will host the 2004 USA Amateur Radio Direction Finding (ARDF) Championships, ARRL ARDF Coordinator Joe Moell, K0OV, announced this week. Moell said the fourth annual USA ARDF event will be held next June in California.

"Radio-orientees from all over the country plus visitors from abroad are expected to attend," Moell said. "The competitive courses are open to anyone of any age from any country, with or without an Amateur Radio license."

Medals will be awarded in five age categories for male competitors and four for female competitors, in accordance with International Amateur Radio Union (IARU) rules. The competition, which will include both 80-meter and 2-meter events, gets under way June 16.

After a day for practice and alignment sessions and opening ceremonies the full-length 2-meter competition will take

place June 18. The 80-meter competition will take place the next day, followed by closing ceremonies.

Moell says the USA Championships will occur just in time for final selection of ARDF Team USA 2004 members. Those chosen for Team USA will travel to the Czech Republic for the 12th ARDF World Championships, September 7-12. "Team positions will be filled based on performances in the 2004 events in California and the 2003 events in Ohio," he explained.

One of North America's ARDF pioneers, Marvin Johnston, KE6HTS, will serve as general chair for the 2004 USA Championships. Johnston was a member of USA's first team to the 1998 ARDF World Championships held in Hungary and he won medals at the last two USA ARDF Championships.

The hosting SBARC also "has an abundance of ARDF talent," Moell said. That includes club president Jay Hennigan, WB6RDV, who took gold in his age category on both 80 and 2 meters in this year's USA Championships in

Cincinnati. Other SBARC medal winners include Scott Moore, KF6IKO, who won bronze on 80 and 2 meters in Cincinnati. SBARC will collaborate with the Los Angeles Orienteering Club (LAOC) to prepare maps and set up the start/finish areas for the competition.

An official Web site for the 2004 Championships is under construction. It will contain complete rules and technical details, including competition frequencies, plus registration and lodging information. Information about transmitter hunting and US ARDF activities is available on Moell's Homing In Web site <http://www.homingin.com>.

AO-40 transponders off for a month

AO-40 now is in "hibernation mode." The ALON/ALAT is 45/24. Magnetorquing has ceased, and the satellite will begin drifting toward ALON of approximately 315 degrees. This will take approximately four weeks. This is done twice a year to keep the satellite healthy due to poor sun angles.

Although the satellite's passbands are off, its beacon remains on and FEC telemetry is active whenever possible. According to AO-40 ground controller Stacy Mills, W4SM, the passbands should be back on in time for the Christmas holiday. The AO-40 team would like telemetry files. Send zipped files via e-mail to ao40-archive@amsat.org.

**Happy Holidays
to all from the**

"Sierra Signals" staff.

SIERRA FOOTHILLS AMATEUR RADIO CLUB
P.O. Box 1005
Newcastle, CA 95658



SIERRA FOOTHILLS AMATEUR RADIO CLUB
2003 MEMBERSHIP APPLICATION

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Address: _____ City: _____ State: _____ Zip: _____

Associate Name: _____ Call: _____ Class: _____

Phone Number: _____ Application: (Circle One) New Renewal

Member Dues: Circle Amounts That Apply.

Applications received in the middle of the year will be pro rated. Contact the President or Treasurer for exact rate.

Membership:	\$22.00	Name Badge:	\$6.50
Associate:	\$ 7.00	Repeater Donation:	\$ _____
Auto Patch Donation:	\$ _____	Newsletter Booster:	\$ _____
Miscellaneous Donation:	\$ _____	Christmas Donation:	\$ _____
Worldradio Renewal:	\$ _____	TOTAL:	\$ _____

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Payment: _____ Check Number: _____ Cash: _____