



<http://personal.newworld.net/wingman/sfarc/>

November 2001

P.O. Box 1005, Newcastle, CA 95658

At the Key of S.F.A.R.C.

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REPORTERS

Satellite Report

Greg Dolkas, K06TH

40 Years Ago at the SFARC

Gary Cunningham, KQ6RT

VE Program

Bob Metke, W6SUP

REPEATERS

145.430(-0.6 Mhz) PL 162.2
440.575(+5 Mhz) PL 94.8
223.860 (-1.6 Mhz)

CLUB NET

All welcome to check
in Thursdays, 7:30 PM
2M K6ARR & Club
Repeater 145.430

CLUB MEETINGS

Second Fri of the
month 7:30 PM at the
Auburn Library 350
Nevada St. Auburn

CLUB BREAKFAST

Last Saturday of the
month at Susie's Café
Cirby at Riverside Ave.
Roseville - 8:00 AM

NET CONTROL OPS

Dave Jenkins, WB6RBE
Gary Cunningham, KQ6RT
Joe Sylvia, KF6OQY
Wayne Mikel, KE6DJE

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NEWSLETTER EDITOR

Fred Jensen, K6DGW
530.885.8251
k6dgw@arrl.net

2001 Calendar of Events

(Operating Events in Italics)

- | | |
|-----------|---------------------------------|
| Nov 3-5 | <i>ARRL Sweepstakes (CW)</i> |
| Nov 9 | Regular Meeting (Elections) |
| Nov 14 | VE Test |
| Nov 17-19 | <i>ARRL Sweepstakes (Phone)</i> |
| Nov 24 | Club Breakfast |
| Dec 7-9 | <i>ARRL 160m Contest</i> |
| Dec 12 | VE Test |
| Dec 14 | Christmas Dinner |
| Dec 15-16 | <i>ARRL 10meter Contest</i> |
| Dec 29 | Club Breakfast |
| Dec 31 | <i>Straight Key Night (SKN)</i> |
| Jan 11 | Regular Meeting |
| Jan 26 | Club Breakfast |

This Just In ...

The November SFARC meeting has been moved due to construction at the Auburn Library. Please join us at the Rocklin Sunset Center, 2650 Sunset Blvd. between Stanford Ranch Rd and Coronado Av. We need as many members present as possible to vote in the new officers.

From the President's Shack

**Matt
KC6RUO**



Thank you for such a great turnout at the White Elephant Sale last month. We had a lot of fun, and made just under \$200.00. A special thanks to Bob Boeckman, WA6ULL and Richard Kuepper, WA6RWS for being auctioneers.

Please join us at the November 10th meeting at the Rocklin Sunset Center, 2650 Sunset Blvd in Rocklin. We need as many members present as possible to vote in the 2002 club Officers. I am also looking for volunteers to assist the City of Roseville with the 2001 Roseville Holiday Parade. This is a family event, so bring everyone! Please call my office (632-4084) if you would like to volunteer.

73,

Matt, KC6RUO
President

Secretary's Report

**Joe
KF6OQY**



General Meeting October 12, 2001

I was not able to attend the Oct 12 White Elephant Sale because Dottie and I were on a cruise of the Hawaiian Islands to celebrate our upcoming 50th wedding anniversary.

I would like to take this opportunity to write about a few things that I feel is important. As you all know we will be electing new officers for the coming year. I am finishing my second year as secretary and I can honestly say that it has been a good experience. The people that I have worked with have been great. I would like to encourage you to run for an office and get involved in directing our club's future.

Remember that help is not far away if needed. Also remember to join us in community service events and if you are a new ham and you do not feel that you are ready to participate on your own then get with someone who has experience and work it together. We can always use net control people and it's fun. It will also be a good experience

for any emergency efforts for which we could be needed. I know we all agree when I say that we have a great club and it takes us all to keep it going.

Respectfully Submitted

Joe, KF6OQY
Secretary

40 Years Ago At The SFARC

**Gary
KQ6RT**



November 8, 1961

Meeting was called to order by pres. Lin Hunter, at home of Frank Carmen K6TFD. Minutes of previous meeting and treasurer's report was read by the secretary and approved.

The business of the Heath two-wer was discussed. Vice president Jim Carmen was appointed to manage the sale and collection of tickets. At this date, the tickets sold amounted to \$57.00. The disposal of the remaining tickets will be discussed on the Sunday net. Deadline for selling has been set for Dec. 1st, and the drawing not later than the regular meeting date of Dec. 13th. We hope the club will help someone win the two meter set whom we can later contact. Plans will be made for a second Heath two-wer.

Jim Carmen reported that the Naval reserve building was not completely vacated yet, and we are waiting for time. Until the building is turned over to the fair board, we will not be able to acquire the room. We hope some of the equipment will be left for the club to use.

Plans for our next meeting were made as follows: try to acquire a room at the fair grounds for the meeting; Frank Carmen is to bring two dozen doughnuts; Lin Hunter will bring the coffee; the drawing, nomination and election will be held.

The \$5.00 merchandise certificate donated by Calif. Radio Television supply was won by Puffy Roger, W6UNT.

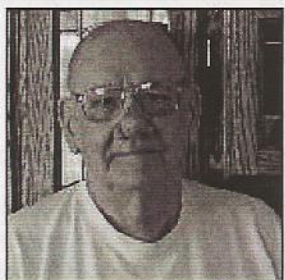
Meeting was adjourned at 9:50 PM and refreshments served by the Carmen's.

Respectfully Submitted,
Sage Otow, Secretary

73,
Gary, KQ6RT

VE Report

**Bob
W6SUP**



Volunteer Examiner Report

Remaining Exam Dates for 2001

Nov 14

Dec 12

Pre-registration is required. Contact Bob Metke, W6SUP for more information.

Special arrangements and dates can be made to accommodate the disabled, including conducting tests at home.

73,
Bob, W6SUP
511 Oak St.
Roseville, CA 95678
916.783.7610
w6sup@rsvl.net

SFARC Event Dates

Roseville Holiday Parade: Saturday, Nov 17 08:30

Christmas Party: December 14

Stella Irving Room, Auburn Recreation Park. From below Auburn, exit I-80 at Newcastle, and continue through signal on Indian Hill Rd. At end, turn left to Racetrack St. on left (across from 7-11). Left on Racetrack, and then left on Recreation Dr to first building on left.

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Amateur Satellites

**Greg
KO6TH**



Kodiak Star Launched

(From the ARRL Pacific Division Update)

Following several delays, the Kodiak Star launch vehicle took off into space from Alaska early Sunday, September 30 UTC. The Athena I rocket boosted three Amateur Radio payloads into orbit. Initial indications are that all satellites deployed properly and have been monitored on the ground. The payloads included the APRS-equipped PCSat, built by midshipmen from the US Naval Academy under the guidance of Bob Bruninga, WB4APR, the acknowledged "father of APRS."

PCSat is a 1200-baud APRS digipeater designed for use by amateurs using hand-held transceivers or mobiles. Bruninga reports that PCSat successfully separated and has been transmitting 1200 baud AX.25 AFSK telemetry on 145.825 MHz. The satellite is being checked out, has not yet been commissioned for general amateur use and needs a clear uplink frequency.

Carried into space in addition to PCSat were the Starshine 3 and Sapphire payloads. Starshine3 is a "disco" mirror ball with AX.25 9600 baud telemetry on 145.825. Sapphire has 1200-baud AX.25 telemetry and a voice replay on 437.1 MHz. Starshine 3's "disco" ball will be visible to the eye and give earthbound students the opportunity to participate in its primary mission of satellite tracking.

For more information, visit the PCSat Web site, <http://web.usna.navy.mil/~bruninga/pcsat.html>.

For more information on Sapphire, visit the Stanford University Space Systems Development Laboratories Web site, http://ssdl.stanford.edu/aa/projects/squirt1/sapphire_overview.html.

The Starshine Web site is <http://www.azinet.com/starshine/>

73,
Greg, KO6TH

Coming Ham Events

Foothill Flea Market - 2nd Saturday of each month from March through October at Foothill College, Los Altos.

Livermore Swap Meet - 1st Sunday of each month at Las Positas College in Livermore, 7:00 AM to noon, all year. Talk in 147.045 from the west, 145.35 from the east. Contact Cliff Chiba, KF6EII, larkswap@usa.com

N6SHD Found On-Line!!

Dave, N6SHD, previously thought to have abandoned the e-mail realm has been located again. Contrary to urban legend, he was NOT found in a cave in 9M5 land, but rather at <dehund@netzero.net>

Sunshine Report

Jerri
K6GKR



No news from Jerri, which is good news for us.

FOR SALE

Yaesu FT-8100R with CTCSS encode/decode. Purchased on 3/31/2000. \$300

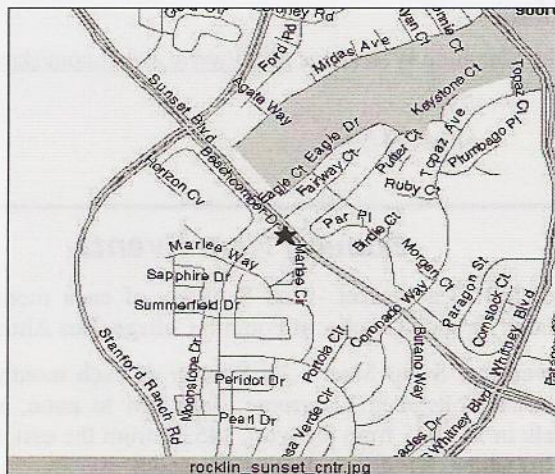
Yaesu FT-8100R (another one) with CTCSS encode/decode. Purchased on 6/22/2001 and still has Yaesu warranty. \$325

Both radios will work as a crossband repeater. First buyer also gets the \$30.00 Yaesu programming software for free. If you would like both radios, Patrick will work out a deal.

Patrick, N6PBM
<n6pbm@arrl.net>

November Meeting Change

The November SFARC meeting has been moved due to construction at the Auburn Library. Please join us at the Rocklin Sunset Center, 2650 Sunset Blvd between Stanford Ranch Rd and Coronado Wy. We need as many members present as possible to vote in the new officers. Talk-in on K6ARR/R (145.430 [-600 / 162.2]).



Roseville Holiday Parade

The City of Roseville and the Roseville Chamber of Commerce needs Radio Operators for communications and traffic control on Saturday November 17, 2001 at 8:30 AM, for the 2001 Roseville Holiday Parade. The entire family is encouraged to attend. If you want to volunteer for this family event, please call Matt Diridoni at 916.632.4084.

(Ed. Note: The SFARC has been supporting the Roseville Holiday Parade for many years, and so far, I've never been rained on. It takes only a morning. Bring lawn chairs, family, and enjoy the fun)

November Elections

So far we have two candidates running for 2002 SFARC offices. Richard Kuepper, WA6RWS, currently a Board member is running for President. Steve Faulkner, KF6OCE, is running for re-election as Vice President. Secretary and Treasurer are still open. Please contact Matt Diridoni 916.632.4084, or any Board Member (see front page) if you are interested in running for an office. The current club officers will assist the new club officers in getting started.

E-mail to SFARC News

Subject: Re: SFARC News - October
Date: Mon, 01 Oct 2001 16:18:50 -0700
From: "R. B. Vallio" <wsixrgg@atdial.net>
To: k6dggw@arrl.net
CC: James Maxwell <w6cf@arrl.org>

Hi Fred,

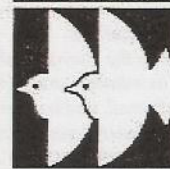
A great issue, and I just wanted to tell you that the club's spirit, as evidenced by your donation to the Salvation Army for the New York tragedy, is truly incredible.

My hat is off to the club, and each of the members. Thanks.

73, Bob

(Ed Note: Bob is the Vice Director of the ARRL Pacific Division, and is on the e-mail distribution list for our newsletter)

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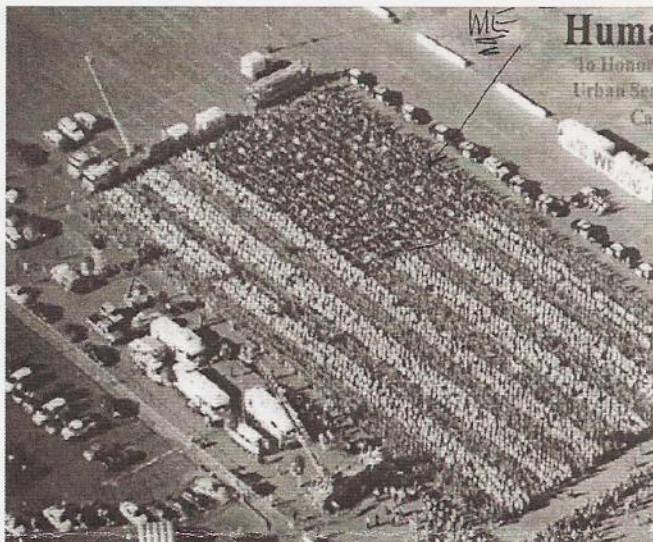
Email: havalark@jps.net

Web site: www.havalark.com

Contact Tim Woodburn, W6TJW
530.823.7595

SFARC Member Forms Human Flag

Well ... he didn't exactly form it all by himself! Patrick, N6PBM, who never seems at a loss for words on the repeater, sent this picture to the SFARC News with the single cryptic comment, "I'm the one wearing brown shoes." Hard to tell in monochrome, but we'll take his word for it. His annotation suggests he's very near the South Carolina star. The full color version will appear in the HTML version of the SFARC newsletter which can be downloaded from <http://home.pacbell.net/andrea/j/SFARCHome.htm>. in a few days The shoes aren't any more clear there, however.



Thanks to KCRA for permission to publish the photo.

IARU Ends Morse Requirement

Saying that it was "setting aside any previous relevant decisions," the International Amateur Radio Union Administrative Council this week resolved that IARU policy supports "the removal of Morse code testing as an ITU requirement for an amateur license to operate on frequencies below 30 MHz." The Council further resolved to urge member societies--as an interim measure--to seek Morse code testing speeds "not exceeding five words per minute."

The resolution was adopted during the IARU Administrative Council meeting October 6-8 in Guatemala City, Guatemala, which followed the 14th General Assembly of IARU Region 2.

The Council's Morse resolution took into consideration the approval--without opposition--of ITU-R Recommendation M.1544. That document sets out the minimum qualifications of radio amateurs. The Council also said it recognizes that Morse code "continues to be an effective and efficient mode of communication used by many thousands of radio amateurs" but that Morse code proficiency as requirement for an HF amateur license "is no longer relevant to the healthy future of Amateur Radio."

The principal business at the Administrative Council session was to review the status of IARU preparations for WRC-2003. Agenda items of concern to amateurs include, among

others, the harmonization of amateur and broadcasting allocations near 7 MHz, the adequacy of HF broadcasting allocations below 10 MHz, and possible revisions to Article S25 of the international Radio Regulations.

Among other things, Article S25 spells out Amateur Radio operator qualifications. It now provides that Amateur Radio license applicants demonstrate the ability "to send correctly by hand and to receive correctly by ear, texts in Morse code signals" for operation below 30 MHz. The IARU Administrative Council supports the revision of Article S25 and the incorporation by reference of Recommendation M.1544.

The IARU Council selected the theme of the next World Amateur Radio Day, April 18, 2002, as "Amateur Radio: Continuing Innovation in Communication Technology."

(Your editor still believes that CW will live on in the ham bands as long as CW QSOs count more than phone QSOs in nearly all except RTTY contests)

FCC News

(ARRL Bulletin ARLB046)

The FCC's Wireless Telecommunications Bureau has clarified several issues regarding Amateur Service implementation of the Commission Registration System--or CORES. Starting December 3, everyone doing business with the FCC--including amateur licensees--must obtain and

use a 10-digit FCC Registration Number (FRN) when filing.

Amateur licensees now registered in the Universal Licensing System (ULS) already have been cross-registered in CORES and issued an FRN by mail. The FCC said it planned another cross-registration by November 28. Amateurs can check to see if they have an FRN via a ULS license search. Many Internet call sign servers, including ARRL's, also can provide this information.

Once CORES becomes mandatory, the FCC will "auto-register" all amateurs who seek to register in ULS and will issue them an FRN. Amateurs then should use their FRN in place of their Taxpayer Identification Number (TIN--typically an individual's Social Security Number) when filing applications with the FCC. New or upgrade license applicants not previously registered in ULS will be registered automatically in both CORES and ULS when they provide a TIN on a license application filed through a Volunteer Examiner Coordinator.

Although both ULS and CORES will contain a licensee's FRN, updating information in one system will not update the other. For amateurs, CORES registration will replace ULS "TIN/Call Sign" registration, but the ULS will remain the Amateur Service licensing database within WTB, and only ULS will associate an individual with a particular call sign and FRN. Once CORES/FRN becomes mandatory, those registering in ULS will be redirected to CORES registration.

Going away December 3 will be the so-called Assigned Taxpayer Identification Number, or ATIN, which the FCC has been issuing to applicants ineligible to obtain a Social

Security Number, such as foreign applicants and club station licensees. An FCC Public Notice this week said applicants that have been using ATINs "must now register in CORES." The FCC said it will accept ATINs only "during a short transitional period" after December 3.

CORES will offer exemptions to amateur clubs and to foreign entities not holding a TIN/SSN. Club station applicants also may use a trustee's TIN/SSN or a tax-exempt club's IRS-assigned EIN.

The WTB says that starting December 3, "all passwords will be maintained in the CORES database." Amateurs also may use FCC Form 160 to register in CORES, and those doing so will be mailed a CORES password for on-line access.

The FCC continues to work out the details of how amateurs, CORES and ULS will coexist. Amateur Service testing with CORES is planned for early November.

(Ed. Note: There are 57 references using acronyms in this bulletin, so it is clearly "federal," and must be authentic. If you really understand all [or any] of this, please send me an explanation and we'll publish it for everyone)

More Ham Events

RadioFest 2002. Saturday, Feb. 16, 2002, 7:00AM to 3:00PM at the General Stilwell Community Center, Ord Military Community, 4260 Gigling Road, Seaside, CA. Talk-in 146.97- PL 94.8. Sponsored by the Naval Postgraduate School Amateur Radio Club. See <http://www.k6ly.org/radiofest> for additional details.

Threat to 70cm Ham Band

(Ed Note: For those of us in the southern Sacramento Valley, this is a fairly big issue. The SAVI devices, with which I have worked in the past, are RFID tags attached to truck trailers, marine containers, and other transportation carriers. The Roseville UP rail yard hosts a major intermodal terminal, where many of the vehicles and trailers will ultimately be tag-equipped. These changes to the Part 15 regulations pose a serious threat to our use of the 70cm band ... a band we now, and have for some years, shared quite successfully with the U.S. Government.)

The FCC has proposed changes to its Part 15 rules governing unlicensed devices that would allow operation of advanced RF identification devices between 425 and 435 MHz. By going along with a request made earlier this year by SAVI Technology Inc and fiercely opposed by ARRL, the FCC has set the stage for another battle between amateur and commercial interests.

"The FCC hasn't thought this through," said ARRL Executive Vice President David Sumner, K1ZZ. He contends that the Part 15 RFID proposal--included as part of a larger Notice of Proposed Rule Making and Order--is "contrary to the whole philosophy of the Part 15 rules."

Sumner said the RFID devices SAVI proposes more properly belong on frequencies that are also authorized for

use by devices regulated by FCC's Part 18 Industrial, Scientific and Medical (ISM) rules.

The FCC said this week's NPRM&O would modify the rules for RFID systems "to harmonize our rules with those in other parts of the world and to allow for improved operation." Sumner said that 433.9 MHz is allocated for ISM devices in 10 European countries but not in the rest of the world, including ITU Region 2 (North and South America).

Last March, the ARRL urged the FCC to deny or dismiss SAVI Technology's petition. The League argued that the field strengths and duty cycles SAVI proposed for its RFID tags were unreasonable "and would undoubtedly seriously disrupt amateur communications in one of the most popular of the Amateur Service allocations."

SAVI, which markets radiolocation and wireless inventory control products, told the FCC it needed the rules changes to satisfy customer demand for increased RFID system capabilities. The FCC this week said it agreed with SAVI that changes to its Part 15 rules to allow more advanced RFID systems in the 433 MHz band "would serve the public interest." It proposed to create a new section to Part 15 that would allow operation of RFIDs in the 425-435 MHz band and transmissions of up to two minutes at maximum field strengths now only permitted for extremely short-duration, intermittent control signals.

Kenwood "Sky Command" Under Review

The FCC has put on public notice a rulemaking petition from Kenwood Communications Corporation requesting that the FCC relax restrictions on Amateur Radio auxiliary station operation. The FCC assigned the rulemaking number RM-10313 to the petition and invited public comment. The petition marks Kenwood's latest attempt to legalize its "Sky Command" remote station control system.

Kenwood seeks a change in Part 97 rules that would expand permission to operate an auxiliary station on all 2-meter frequencies above 144.5 MHz, except on 145.8 to 146.0 MHz.



4755 Pacific St., Rocklin, CA 95677-2407

Manager: Randy Erwin

TEL: 916.624.0641 / FAX: 916.624.5249

<ur29@unitedrentals.com>

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While not mentioning Sky Command by name, Kenwood said the proposed rule change "would allow the development and use by amateurs of new technology devices and increase the utility of the limited amateur allocations." Current FCC rules limit auxiliary operation to certain frequencies above 222.15 MHz.

In July 2000, the FCC declared that use of the Sky Command did not comply with Amateur Service rules--specifically Section 97.201(b)--and declined to grant a waiver make it legal. The ARRL commented in opposition to Kenwood's earlier efforts to have the system declared to be in compliance, and it refused to permit Sky Command advertisements in QST
<http://www.arrl.org/news/stories/2000/07/28/3>.

Sky Command lets a user control a fixed HF station via a pair of dual-band transceivers. It operates in full duplex, using frequencies on 70-cm and 2 meters.

In its latest Petition for Rule Making filed May 1, Kenwood asserted that auxiliary operation is "poorly defined" in the FCC rules and "significantly over regulated." Kenwood argued that present limitations on auxiliary operation no longer are appropriate in today's amateur environment and should be withdrawn.

Amateurs may view and comment on the Kenwood proposal via the FCC's Electronic Comment Filing System (ECFS), <http://www.fcc.gov/e-file/ecfs.html>.

N6A - Alpine County

2001 California QSO Party

If you'd like to try out an operating contest, and you live in California, the California QSO Party (CQP) is the one to begin with. Always held the first full weekend in October, you get a small taste of what it would be like to be rare DX, for everyone else in the world is trying to work as many California stations in as many of the 58 counties as they can.

The contest is a little unique in that, unlike the ARRL Sweepstakes and other contests, you can work the same station for QSO credit on each band/mode combination. This means there are always stations out there to work.

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The contest begins at 0900 on Saturday, and ends at 1500 on Sunday. Logging is easy ... you send a QSO serial number and your county, and you receive a serial number and a state or Canadian province. Luckily, there are a total of 58 states and provinces, matching the number of counties.

At the end, you total your CW QSOs, multiply by three, total the phone QSOs and multiply by two, add the two together and multiply by the number of states and provinces you've worked, and that's your score. The contest is so popular that most of the computer logging programs directly support it as a major contest.

Clearly, this contest only works if there are stations on the air from all 58 California counties. Some sparsely populated counties don't have any active hams, and so the Northern California Contest Club organizes County Expeditions to them. Alpine County is one example, and your editor has been part of a group that activates it from the summit of Monitor Pass (8,200') each year, using the call N6A.

We camp at the base of Leviathan Peak (~9,000), use a tri-band beam for 20, 15, and 10, a full size elevated vertical for 40, and a Hygain HyTower for 80 and 160. This year, we finished with just under 200K points from over 1,300 QSOs. Needless to say, we managed to work all 58 states and provinces.



This is a picture of our power source ... yeah, right! Each year, I take a hike to the summit of Leviathan Peak, mainly to see if I can still do it. There is a USFS Fire Lookout (unmanned by CQP time), and a number of radio installations, including the WW7E 2m repeater. Everything is solar powered.. We've tried to figure it's capacity, and our best guess is something over 15KW. As a size comparison, the tops of the bottom row of panels are just over 6' off the ground. I've never seen the batteries that it charges.

Oddly enough, Placer County is semi-rare. Generally, Jettie, W6RFF, will activate it for the contest unless he's cruising in the South Pacific, as he was in 2000. Jim, WX6V, operated from my station that year, and was on again this year from his own.

CQP is basically just a lot of fun, and it's a great place to try out a contest operating event. More info can be found at <http://www.cqp.org/>, and more pictures of our expedition at <http://home.pacbell.net/andrea/CQP2001.htm>

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Membership:	\$22.00	Name Badge:	\$5.50
Associate:	\$ 7.00	Repeater Donation:	\$ _____
ARRL	\$34.00	Auto Patch Donation:	\$ _____
ARRL (Spouse)	\$ 5.00	Newsletter Booster:	\$ _____
ARRL (Special)	\$28.00	Worldradio Renewal:	\$ _____
		TOTAL:	\$ _____

NOTE* Renewing your ARRL membership through the Club earns the Club money with no additional cost to you. To renew your ARRL membership through SFARC, make check payable to SFARC and mail to P.O. Box 1005, Newcastle, CA 95658.

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