

Sierra Foothills Amateur Radio Club

Newsletter

JULY 1999

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

P.O. Box 1005 Newcastle, CA 95658

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

CLUB MEETINGS AND EVENTS

PRESIDENT

Wayne Mikel, KE6DJE
916-645-0565
watcher111@mindsync.com

VICE PRESIDENT

Bill Parrish, KM6KV
530-878-1433
bparrish@hprpcd.rose.hp.com

SECRETARY

Richard Kuepper, WA6RWS
530-878-6220
rkuepper@jps.net

TREASURER

Dave Hund
N6shd@jps.net

BOARD OF DIRECTORS

Gary Cunningham, KQ6RT
Glc@midtown.net

Roger Hedgpeth, N7TK
Rolifo@jps.net

Evan Phillips, WB6EXQ

REPORTERS

Satellite Report
Greg Dolkas, K06TH

DX Report

Mike Sexton, KN6MK
Kn6mk@jps.net

REPEATER INFO.

145.430(-) PL 94.8
440.575(+) PL94.8
223.860 (-16 Mhz)

CLUB NET

All welcome to check
in Thursdays, 7:30 PM
2M K6ARR & CLub
Repeater 145.430 (-)
10 Meter, Sundays
7:30 PM on or about
28.415 Mhz.

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
80 at Riverside Av.
Roseville - 8:00 AM

NET CONTROL OPER.

Dave Jenkins, WB6RBE
Gary Cunningham, KQ6RT

NEWSLETTER EDITOR

Matt Diridoni, KC6RUO
Matt@spyderwebb.com

Jul 9	General Meeting
Jul 31	Club Breakfast
Aug 13	General Meeting
Aug 28	Club Breakfast
Sep 10	General Meeting
Sep 25	Club Breakfast
Oct 8	General Meeting
Oct 30	Club Breakfast
Nov 12	General Meeting
Nov 27	Club Breakfast
Dec 10	Christmas Party

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Presidents Message

Wayne Mikel, KE6DJE

Well, Field Day is over for another year and we again had a great time in Nyack. Thank you to Gary KQ6RT for the organization and to Debbie KF6LXN for the absolutely fantastic food again this year (I think I gained a few pounds) We had a good turnout of operators and SWL's and as the old saying goes "A good time was had by all". I look forward to reading Gary's report of contacts made and expenses for the weekend. July's program will be a Field Day re-cap so be sure to be there, pictures and stories will be in abundance.

I heard from Matt KC6RUO, and there was a good turnout for the Rocklin Jubilee. He told me that it was a fun filled day for the City of Rocklin.

Your Nominating Committee will be contacting you about the up coming years offices, we need "fresh" blood at the helm of the club. The positions that will be open are President, Vice President, Treasurer, Secretary, and 2 board of director's spots. PLEASE be receptive to the nominating committee and give consideration to them if they contact you.

I want to thank Bill Parrish KM6KV Vice Pres, Richard Kuepper WA6RWS Secretary, Dave Hund N6SHD Treasurer, Evan Phillips WB6EXQ, Gary Cunningham

KQ6RT, and Roger Hedgpeth N7TK for all the hard work so far this year and for making the job of President so easy. I have to tell you that of all the organizations I have belonged to over the years, this radio club has been the best run and organized. I attribute that FACT to the participation of the elected officers and the membership at large.

We still have a few events coming up this year so please get your calendars marked for the 49er biathlon on Labor Day, the Club Picnic, White Elephant sale, Roseville Holiday Parade in November, and the Club Christmas Party.

Please get a hold of Bob KF6RCC and/or Jeannie KF6UEX and let them know if you are going to be attending the August picnic. See you at the July meeting, bring your wallets, we will have some good raffle prizes.

ITEMS FOR THE NEWSLETTER

Got something you would like to add to the newsletter? Want to buy, sell or trade something? How about adding yourself to the Official SFARC E-mail Newsgroup?

E-mail me at matt@spyderwebb.com or mail your request to the SFARC post office box.

Members advertise personal items for free.

Matt Diridoni, KC6RUO

SFARC Newsletter Editor

916-632-4084

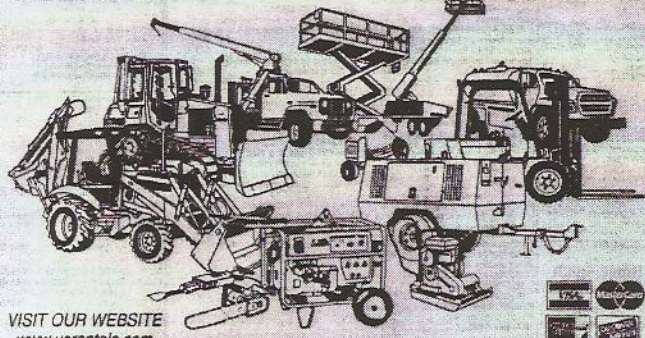
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From The Desk of W6SUP

SFARC V.E. REPORT

All members please thank the dedicated members of the team for taking the time to promote Amateur Radio.

Wednesday July 7, 1999

Wednesday July 28, 1999

Pre-registration is required by calling Bob Metke, at 783-7610. Special arrangements can be made to travel to the homes of the disabled.

Bob Metke, W6SUP

511 Oak St

Roseville, CA 95678

916-783-7610

Tri Valley Vending Inc. Professional Vending Services

Gary Cunningham, KQ6RT

916-969-8866

Assistant Manager

DX...The Quest Continues

Edited By KN6MK, Mike Sexton

7Q - Alan, N5PA will be active as 7Q7PA from Malawi between 3 and 13 July. He will be on from 0400 to 0600 & 1600 to 2030 UTC. He will operate about 12 hours of the IARU Contest. QSL via N5PA.

CY6, CANADA. Look for amateurs in Alberta to begin using the CY6 prefix instead of VE6, July 1-14th, to promote the Calgary Stampede.

CU8, AZORES ISLAND (IOTA operation). Look for Moreira/CT1AHU and Lionel/CU3EJ to be active July 21-31st from Flores Island (EU-089) as CU8/CT1AHU and CU8/CU3EJ. They will be entering the IOTA Contest in the Island DXpedition class with the callsign CU8I. QSL to CU3EJ

CY9, ST. PAUL ISLAND. Look for CY9CWI to be activated by the West Island ARC of Montreal from July 21-28, 1999. Operation from this DXCC country will be on 160-6 meters as conditions permit. The team will be an entry in the 1999 IOTA Contest. Operators will be Helen/VE2YAK (YL Op), Fred/VE2SEI, Al/VO1NO/VE1, Reg/VE2AYU, Bill/VE1MR, Dragan/VE2ZIV, Lowell/VY2OX, and J-F (Jeff)/VE2TBH. The following CY9 references were provided: CQ zone 05, ITU Zone 09, IOTA NA-94, Can. Is. NS-002, N. Lat. 47.33 degs., W. Long. 60.16 degs. QSL via VE2CWI

G - Tom, GOPSE and Steve, G4EDG will be active (10-160 metres, SSB and CW) as GBOSM from St Mary's Island, Isles of Scilly (EU-011) between 22 and 29 July. They will participate in the IOTA Contest (24-25 July) as G5M. QSL via G3WNI

J49, CRETE (Special Prefix/Update). Bob, I2WIJ has received the special callsign J49WI from the Greece Telecommunication Ministry. He will operate from July 12-26th and also be an entry in the IOTA Contest with that callsign. QSL via I2WIJ

R1M - Eight operators from Finland and 17 operators from well-known Russian contest team RU1A will be active from Malyj Vysotskij Island (EU-117) between 4 and 15 July. They will be active on all bands and modes as R1MVA and as R1MV during the IARU Contest. Plans

are to operate simultaneously on CW, SSB and RTTY from 9-12 stations. HF equipment includes at least nine transceivers, six amplifiers, seven monobanders for 40-10 metres, two inverted Ls for 160 and 80 metres and other various antennas, seven towers, six generators. QSL via OH2BR

T8, BELAU. Hiro/JH3FJG and Kenji/JI3DLI will be active July 20-25th, as T88JR and T88DX. Activity will be CW/SSB/FM on 80-6 meters. QSL via homecall

TF7, ICELAND. Gulli/TF8GX, Manu/LX2LX and Norby/LX1NO will be active from Westman Island (EU-071) during the IOTA Contest 1999. Callsigns to be used are to be announced later

IOTA.....

NA-169. Hillar/N6HR and Elsie/N7WDX report that they have been able to reach a Memorandum of Agreement with the Makah Nation Tribal Council, and that they have received permission to land and operate from one of the rarest of the IOTA groups, Tatoosh Island. The island off of Cape Flattery in Northwest Washington is a sacred "Makah Indian" burial ground. They state that the full report will be released at the IOTA Meeting in Fresno. They did mention that they will be on the air during the IOTA Contest with at least two KW stations giving out NA-169 QSOs to the deserving.

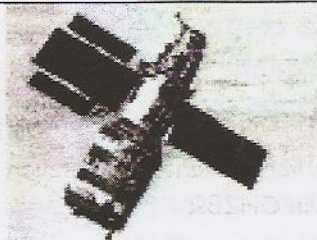
JULY CONTESTS.....

RAC Canada Day Contest	0000Z	- 2400Z, 1 st
Venezuelan Ind. Day Contest, SSB	0000Z, 3 rd	- 2400Z, 4 th
IARU HF World Championship	1200Z, 10 th	- 1200Z, 11 th
CQ Worldwide VHF Contest	1800Z, 10 th	- 2100Z, 11 th
Colombian Indep. Contest	0000Z	- 2400Z, 17 th
SEANET WW DX Contest, CW	0001Z, 17 th	- 2359Z, 18 th
Pacific 160-Meter Contest	0700Z	- 2330Z, 17 th
North American QSO Party, RTTY	1800Z, 17 th	- 0600Z, 18 th
Venezuelan Ind. Day Contest, CW	0000Z, 24 th	- 2400Z, 25 th
IOTA Contest	1200Z, 24 th	- 1200Z, 25 th

73 de KN6MK

kn6mk@jps.net

Thanks to the OPDX, The GOLIST, The 59(9) DXReport, DX News Letter, DX News Sheet, for the DX information



Satellite Report

By Greg Dolkas, KO6TH

Last Chance to work the Shuttle

The current plans for SAREX, the Shuttle Amateur Radio EXperiment, have the upcoming STS-93 Shuttle mission as the only one this year to carry Amateur Radio equipment aboard. If you'd like one last chance to work the Shuttle, or even just to listen in on the ham-related activities, this is the one! STS-93, as of this writing, is scheduled to lift off on July 20th, 1999. Ususally, a day or two later the radios are turned on, and the fun begins. SAREX has a primary mission objective of direct contacts between the Astronauts and shoal children via Amateur Radio. These contacts are arranged well in advance of the mission, and as you would expect, there is a long waiting list. The Mir Space Station has a similar program (and waiting list). It depends on the current crew roster for contacts to be made, as not all crews have Ham licenses or even speak the school's native language. Fortunately, the SAREX team leaves some time in their schedule for contacts with the rest of us.

Shuttle missions that don't involve one of the space stations (yes, there are two in orbit right now!), are usually put into "low inclination" orbits. This means that the spacecraft's orbit around Earth stays pretty close to the equator, within about 28 degrees. Not by accident, this is the latitude of the launch pad in Florida. By taking off straight East, the Shuttle's boosters get an extra 1000 miles/hr push in achieving orbit, due to the Earth's spin. Unfortunately, a 28 degree orbit also means that the Shuttle never gets all the way up to our latitude (Auburn is at about 39 degrees). For Shuttle Seekers, that is both good and bad news.

The bad news is that whenever the shuttle is in view of us, it will be very low on the horizon. The passes will be short, usually less than 10 minutes, and not

very strong, radio-wise. The SAREX radio antenna is inside the spacecraft, mounted in a cabin window behind radiation absorbing glass. Between that and the low pass, it is best to use an antenna with a little gain to contact the Shuttle.

The good news is that low elevation angles means that you will not need any sort of antenna elevation rotation. In fact, a vertical gain omni antenna do very well, as will a small yagi. And, with all low angle orbits, the passes will always be due South, so you do not even need a rotor at all (especially for the

Omni...). The low angle also means our old friend, the Doppler Shift, is very small, and can be ignored.

The Shuttle's SAREX equipment operates on a number of frequencies, all within the 2 meter band, and all FM. They have both phone and packet capabilities, and this mission is planned to support both modes. Phone contacts will have their downlink (them talking to us) on 145.550, with the uplink (us talking to them) on any one of 144.91, 144.93, 144.95, 144.97, or 144.99 mhz; they won't say which. They do this to help cut down on the interference from all the earthlings trying for that already-difficult contact. For packet, they have an unusual format - 145.55 downlink (same as for phone), and 144.49 for the uplink. Neither mode uses a CTCSS tone.

My suggestions: As with all radio work, listen first. There's nothing more frustrating for both ends of the link than to be trying to make phone contacts when someone's got their packet running, or vice versa. For phone, note that the 144.95 uplink is a standard -.600 offset from the 145.55 downlink. If you have a radio that doesn't do odd splits, that's the one for you. As for the other uplinks, I would stay away from 144.990, as that is a local packet frequency. For packet, if you have a typical 1200 baud packet setup you can leave your radio set to the 145.55 downlink and just monitor what's going on. It's a great way to be part of the action without staying up day and night waiting for a pass.

For the latest Shuttle news, NASA has set up a Web page at <http://shuttle.nasa.gov/>, and there's always the AMSAT page at <http://www.amsat.org/sarex>. Also, listen in to the Thursday night Net for the latest information.

73, and good luck,
Greg KO6TH

Field Day 1999

By Gary Cunningham, KQ6RT

SARC once again held Field Day at our

traditional

Nyack location.

The weather was perfect and we were

treated like royalty by the

entire Nyack

staff. Friday

evening our

contact Jeff

Coruthers

drove all the way to Colfax just to get us a

campfire permit, while his brother

Dale treated us to some fresh caught

trout we cooked for dinner Friday

night. Bob, WA6ULL brought his bow

and arrow, which he used to get all

the antennas up in the trees so we

would be all set to go Saturday

morning.

After sorting out all the dupes it

looks like we made a total of 307

phone contacts and 135 on CW for a total of

442 contacts.

I am currently

in the process

of tabulating

our final

score. We

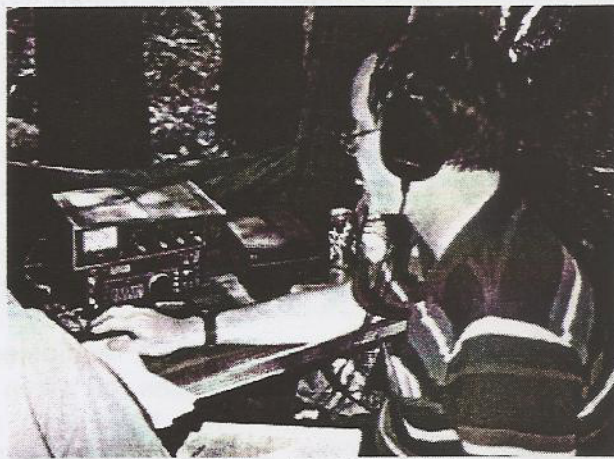
made contacts

in a total of

43 states and

4 Canadian

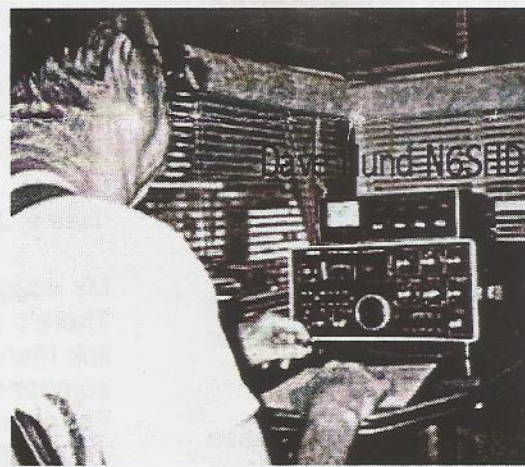
Provinces. Our



Bill Parrish, KM6KV

longest distance contact was made by Wayne, KE6DJE to French Polynesia. Our newest member, Bob RHOADS KJ6CA, who joined the club on Field Day, made the greatest number of contacts. Bob made 133 contacts on CW.

The order for the Field Day pins has been sent in to ARRL and I will distribute them as soon as they arrive.



Shannon KD6CMX

I would also like to thank all the members who helped with the Rocklin Jubilee. Whether they realized it or not they also helped with Field Day. It is because of they're efforts that United Rentals of Rocklin furnished us with the free use of a 25kw generator to power our Field Day operation.

73 Gary, KQ6RT

GENERAL MEETING

June 11, 1999

The meeting was called to order by President Wayne KE6DJE, at 1935hrs.

Other officers present were Bill KM6KV and Dave N6SHD. Richard WA6RWS was absent. Everyone introduced themselves.

Bob KF6KCC, the picnic chairman passed out flyers and was asking for ideas. The picnic will be on August 28, 11am at the Meadow Vista Park.

Greg KO6TH gave the satellite report. Dave gave the treasurer's report and indicated there is \$669 in the bank.

Jettie gave the ARRL report. Jettie also stated no one ran for section manager so we will have his expertise again for another term. Wayne told the members that the board voted to allocate \$100 for field day. Voted by the membership and carried.

Bill then introduced the guest speaker, Frank Robbins who talked about PSK31 for the low bands. He also had a handout, which indicated the low band frequencies that are used.

After Frank spoke, the raffle was held. The meeting adjourned at 2110hrs.

Thanks to Shannon KD6CMX for taking notes of the meeting. Submitted by Richard Kuepper Secretary.

BOARD OF DIRECTORS MEETING

June 26, 1999

The meeting was called to order by President Wayne Mikel, KE6DJE at 2120hrs. At the Nyack field day site. Present were VP Bill KM6KV,

Treasurer Dave N6SHD and board members Gary KQ6RT and Evan WB6EXQ.

Missing were Secretary Richard WA6RWS and board member Roger N7TK. Other hams present were Bob WA6ULL, Debbie KF6LXN, Shannon KD6CMX, Hillary KF6NTY and Bob KJ6CA.

Wayne said we were welcome to the Nyack field day site by Grant Wells, Jeff, Dale and Sheila. A thank you letter will be sent to them.

Bob, WA6ULL said he will be inviting North Hills RC to join us next field day. During the September general meeting we will have a speaker inform us about DX'peditions.

The October white elephant sale will take place at the firehouse in Auburn. Meeting adjourned at 2132hrs.

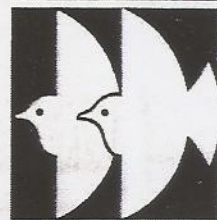
Thanks to Evan for taking notes for me.

Submitted by Richard Kuepper
Secretary

WELCOME NEW MEMBERS

All Members please welcome Bob Boeckman, WA6ULL back to the club. Bob holds an advanced license and is from Folsom CA.

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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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