



CROSSTALK

NEWSLETTER of the
SPACE PARK EMPLOYEES
ASSOCIATION
Amateur Radio Club

Volume 36 Number 4

April/May 2004

From the editor:

You may have noticed that there was no April issue of the Crosstalk. Between an extremely hectic work schedule and trying to get my income taxes done at the last minute, I didn't have time to write the April Crosstalk. I apologize for that. So this will be a combined April/May issue.

We have lots of things to talk about. The most important being Field Day 2004 which is only a little more than a month away! Dennis Santiago has volunteered to be our Field Day chairman this year so let's give him all our help and make this another successful Field Day for W6TRW.

The speaker at this month's club meeting will be Art Goddard W6XD, the director of the Southwestern Division of the ARRL. He will be speaking about "Murphy Lives in West Africa - The C5Z Story". So please come to the club meeting so we can give him a good audience.

And keep sending articles and information for the Crosstalk to:

- jim.harrison@ngc.com
- *Crosstalk Editor, Jim Harrison K6OUE*

Don't forget!

- **Club Meeting: Tuesday May 11, 5:30 PM Round Table Pizza**
- **Swap meet: Saturday May 29, 7:30 AM to 11:30 AM**
- **Field Day: June 25, 26, 27 Polliwog Park**

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SEA ARC Monthly Calendar of Events

Second Tuesday of each month	5:30pm	Club Meeting Round Table Pizza, southeast corner Redondo Bch. Blvd. and Hawthorne Blvd.
Second Tuesday of each month	12:00 noon	Emergency Communications Team Meeting R3 Emergency Operations Center
Third Monday of each month	5:30 pm	Executive Board Meeting, R3/1036 (All Club Members are invited)
Last Saturday of each month (Rain or Shine & Holidays)	7:00 am	SEA ARC W6TRW Swap Meet Marine and Aviation (Southeast Corner)
During the Swapmeet	10:00 am	VE Exam Sessions in Cafeteria

Weekly Events

Every Monday Night (Except the 1st & Holidays)	7:30 pm	Disaster Communication Systems (DCS) Net DCS Members: Check in on 2m Rptr
Every Wednesday	12:00 noon	ECT Net on 2 meter Repeater All Amateurs Welcome
Every Wednesday	12:00 noon	NG Family Net 14.270 MHz
Every Thursday	6:30 pm	W6TRW Net on 2m Repeater All Amateurs Welcome
Every Thursday	7:00 pm	Space Hams Net on 2 meter Repeater with N6SHI and W6EKK
Every Mon, Wed, Fri	2:00 pm	W6TRW Retirees Net 7185 KHz
Every Friday Morning	7:30 am	SEA Amateur Radio Club Breakfast Building S Cafeteria - Everyone is invited Talk-in on 2 Meters

Field Day 2004

Field Day is the weekend of June 26 and 27. Set up begins on Friday afternoon June 25. Field Day operations actually start at 11AM on Saturday June 26 and end at 11AM on Sunday June 27. We will be operating in Polliwog Park, Manhattan Beach, as we have for the past two years.

Dennis Santiago NB6I has volunteered to be our Field Day Chairman this year. Dennis was Field Day Chairman about 4 years ago. If you want to be a band captain or a member of a band team, or just help out in general, please contact Dennis as soon as possible. We can use all the help we can get, especially on Friday afternoon when we are setting up all of the towers, antennas, and tents. Also help is needed for tear down on Sunday after 11AM. So if you don't feel comfortable operating the radios, there are plenty of other things to do. All club members should be involved in Field Day in some way, it is an exciting event and very impressive to see one of the best Field Day operations in the country.

Dennis can be reached at: dsantiago@earlymaturity.com

Message from the Field Day Chairman

Dennis Santiago NB6I

The month of May is the beginning of our traditional ramp up to Field Day so it's time for me to report to everyone on what's been happening in the past couple of months. I'm happy to report that the logistics planning for Field Day is well underway. We will again be at Polliwog Park in Manhattan Beach on the last weekend in June. That's the 26th and 27th.

Field Day preparations are all about infrastructure and we have several people to acknowledge for the work they have signed up to do for the club.

Ray Enriquez is working on renting a generator for field day.

Mike Hamada is coordinating the meal plans.

Daryl Ault has agreed to be head wrangler on Friday June 25 for set up day.

Robert Manriquez will watch over our equipment the park on Friday night.

Wendy Crawford and Wendell Young have been taking care of paperwork with the city.

Anita Manriquez has agreed to work our information booth this year.

The HF band captains so far are:

Station 1 - 10-meter/80-meter SSB - Wally Loy, W6LOY

Station 2 - 15 meters SSB - Mike Worshum, WB6K

Station 3 - 20 meters SSB - Terry Priesont, KC6YIH

Station 4 - 40 meters SSB - Dave Lee, WA6MPF

Station 5 - 20 meters CW - Charlie Biesel, AC6ZX

Station 6 - 20 meters Digital (PSK/RTTY) - Kerin Worshum, N7VFK and Gerry Fisher, K6OZ

Station 7 - TBD

Our hope is to operate our usual seven stations identifying as W6TRW 7A-LAX but this depends on finding one more band captain to ideally lead a 40 meter CW or HF Digital station for the club. We get double points for CW/Digital contacts. I have been asking people but so far no takers. Don't be surprised if I cold call you out of the blue as I search for a volunteer. W6TRW has been 7-A forever and it would be a shame to have to change this year.

We also have other non-HF and demonstration stations that will be part of the W6TRW Field Day encampment. These will be:

GOTA (Get On The Air) - being coordinated by Mike Hamada KF6UCN, Duane Park WA6EIK and Wendy Crawford KQ6CG
VHF/UHF Voice - Jim Harrison, K6OUE
Amateur Television - Greg Shreve, KE6YEX
Satellites - Stan Johnson, W6EKK

plus Special Band Activities - Wendy Crawford is coordinating the following,

Copying the ARRL Field Day Message - the more people do this the better. The ARRL FD message is transmitted several times in CW, RTTY during and once in PSK31. We get bonus points for submitting a copy of it in our FD report.

Transmission of W6TRW FD Traffic Message to ARRL Section Head - this involved obtaining a copy of a standard ARRL Radio Message sheet (the same ones used for ARES/RACES), filling it out, and sending to Phineas Icenbice, our ARRL section head. Our plan is to fill it out, turn it into a PDF and email it to him. A bit of scrambling around but it's very much a part of emergency operating procedures practice.

News Coverage and Visits by Public Officials - In the past, one person took care of this. This year I'd like to call on everyone to try to help get the media, corporate and public officials to visit our Field Day site. It's a timely topic given public interest things like Homeland Security and Earthquake Preparedness. I'm trying to see if we can borrow something official with flashing emergency lights to add to our static display this year.

Now for the rest of the needs.

We need operators. It's a lot of fun to operate one of these field day stations. The signal density on Field Day is the highest of the year. You are going to make a contact and possibly a hundred before you look up to grab a soda. The pace is exciting. The exchanges are short and pleasant. Operators can sign up for full shifts or make arrangements to be support operators to learn the ropes. It's all good. Please let me know if you are interested in doing some operating and I'll put you in touch with the band captains.

We need set-up crew people. We do put up a lot of aluminum for Field Day. The metallic trees rival the real ones in our corner of Polliwog Park and most of our "field expedients" tower well above the local flora. Assembling this erector set takes a good afternoon of work. It takes place on Friday afternoon and evening. You bring your brawn and a pair of work gloves and we'll feed you good. If station assembly is one of the things you like about the radio arts, it doesn't get any better than this.

Finally, we are planning a catered club feast for Saturday night. We need to start hearing from you so we can gauge the head count for the catering.

It's going to be another great W6TRW Field Day this year. Hope you can join the fun.

Regards,
Dennis Santiago, NB6I
Chairman
W6TRW Field Day 2004

my daytime contact information:

phone 310-676-3300
fax 310-943-1570
cell 310-918-6021
email: dsantiago@institutionalriskanalytics.com
www.institutionalriskanalytics.com

The Tower 2 project has slowed down somewhat due to man-power problems. My work schedule and home obligations have prevented me from spending much time on it, Milt Noguchi KM6QV who was organizing it has now also begun working overtime, and Pete Livingston W3CRI who was the real guiding force behind it has now gone out on medical leave. So it always boils down to how much time people can spend on these projects. But some progress has been made.

- The boom support cables have been installed on the big M² two meter yagi.
- New boom support cables and turnbuckles were ordered from M² and installed on the 6m yagi.
- The M² two meter yagi was tuned up by temporarily mounting it on a pole and having two people hold it up while it was measured with the MFJ antenna analyzer. The results are:

Freq	VSWR	
144.00	1.1	Bottom of band
144.60	1.0	SSB calling is at 144.2
145.00	1.1	
146.00	1.2	
147.00	2.1	
148.00	2.3	Top of band

So the antenna now exactly meets it spec. which is 1.2 from 144 to 146 MHz.

- I cleaned the paint off of the tuning elements on the M² six meter yagi, but one of the set screws could not be loosened. We are still attempting to loosen this set screw, because the antenna is not tuned properly the way it is. It is supposed to be 1.2 VSWR from 50.0 to 50.4 MHz. Our measurements were 1.0 at 49.9, 1.2 at 50.04, 1.4 at 50.125, 3.0 at 50.6 MHz. 50.125 is the SSB calling frequency on 6 meters.
- Purchased a Comet GP-15 tri-band vertical antenna to put on the tip of the mast on Tower 2. This antenna covers the 6m, 2m, and 440MHz bands. It's purpose will be to provide FM simplex capability on these bands, since the 2m and 6m yagis are tuned for the SSB portion of the band and their VSWR is too high for the FM portion of the bands. It can also, of course, be used for repeater work.
- Tuned the 6m band of the Comet GP-15 for the FM simplex calling frequency that is used in local VHF/UHF contests (52.54MHz).
- Tested the rotator, prepared rotator cable.

If we can get the set screw loosened on the 6m yagi, we can then tune it and we will be ready to install the rotator, mast, and antennas on the tower!

The people who have been helping on this project include:

Milton Noguchi KM6QV
Pete Livingston W3CRI
Jim Harrison K6OUE

John Bacon KG6IMP
Dave Nelson AB6DU
Willard Washburn KE6PNP
and others

IF YOU WANT TO GET INVOLVED, contact **Milt KM6QV**, x26420, Milton.noguchi@ngc.com. We can use all the help we can get! Some work is done during lunch hours. Bigger jobs like installing the antennas on the tower will have to be done on the weekends.

The result of completing this project is that we will be an incredible force in the VHF contests on 2m and 6m. We have a 1KW 2m amplifier that we have never used. And a brand new Yaesu FT1000 MkV with the 6m transverter that we have never used. We can work the world on 6m and try for Hawaii and Northern California on 2m. When we get the 40m beam up we will be a potent force on 40m as well. Let's help make **W6TRW** one of the best amateur stations in Southern California.

23cm Repeater Coming

All you UHF fans get ready, the club is working on getting a 23cm (1.2GHz) repeater up and running! Most of the 23cm repeaters are closed (private) repeaters, but the W6TRW 23cm repeater will be open to all amateurs. We hope that this will attract many UHF enthusiasts in the Los Angeles area. The plan is for the repeater to be located on the top of building E2, where the 2m repeater is.

This project is being headed by Milt Noguchi KM6QV. He happened across an ICOM RP-1220 23cm repeater that was being sold by a ham in Alaska. Apparently this ham had set it up for a year, but there was so little 23cm activity in Alaska that he decided to take it down and sell it. The repeater is in mint condition but he was selling it for approximately half the cost of new. The executive board of the club made an emergency approval for funds and Milt purchased the repeater and had it shipped from Alaska. Milt now has the repeater and is checking it out. The next steps will be purchasing an antenna and installing the repeater in the box on the top of E2. Stay tuned for progress reports.

Ham Volunteer Events

<u>Date</u>		<u>Event</u>	<u>Contact</u>
Saturday	6/5/2004	Grandview Gator 5K run	Brad Lohr
Sunday	8/15/2004	Grand Prix Bike Race	Wendy Crawford

Contacts:

Wendy Crawford, KQ6CG email: kq6cg@dslextreme.com

Brad Lohr, KR6DN email: kr6dn@yahoo.com

John Keller, N6JLS email: jrkeller@ix.netcom.com

Test Lead Recall, forwarded to customers that could possibly be using these type of leads.

http://www.fluke.nl/comx/action_rcl.aspx?locale=usen

For Sale

Henry 2K2 floor console linear amplifier with two new Amperex 3-500Z tubes.
\$250 Bob Hume KG6B (310) 376-4192 (H), (310) 814-7557 (W)

Here is some equipment for sale from a member of TARA who can no longer use it:

1 - Kenwood TS930S Transceiver with all filters both CW and SSB

1 - Kenwood SP930 matching speaker

Both items \$ 750.00 or best offer.

1 - Bencher CW paddle with programmable automatic Keyer

Both items \$100.00 or best offer.

1 - Head Phones \$25.00 or best offer

1 - Kenwood 2m FM Transceiver \$50.00 or best offer

1 - Radio Shack 2m FM Transceiver \$100.00 or best offer

1 - HF Quad 2 - Element 10m 15m 20m in good condition \$100 or best offer.

1 - Tri-EX 45' crank-up tower in very good condition with heavy duty rotor and rotor-head. \$800.00 or best offer. Note tower is on the ground ready for pickup.

Many other small items to make an offer on.

Jean Beaulieu AA6CA

4804 Reynolds Rd.

Torrance, CA 90505

Ph. 310-540-4057

Net Control Operator Needed**Rod Scott KE6PI**

There needs to be a new West Coast control operator for the Northrop Grumman Amateur Radio Clubs Net. The net meets at noon west coast time on Wednesdays. Its purpose is to pass traffic between the various Northrop Grumman Amateur Radio Clubs, Northrop Grumman employees, and Northrop Grumman retirees or retirees from companies assimilated by Northrop Grumman such as TRW, Litton, Aerojet, Westinghouse and others. The normal net frequency is 14.270 MHz. On the first Wednesday of the month there is a special meeting between Northrop Grumman Spacepark (W6TRW) and Northrop Grumman San Diego (NG6ST) on 7.200 MHz. This contact is before the normal net and is at 11:45 west coast time.

Any one interested can e-mail Rod Scott [KE6PI@cox.net] for more information. E-mail is the best way to contact Rod as he will be away from Space Park until the middle of May.

SEA ARC Ham on the High Seas

A new member of our club, Hobson Lane KG6TOD, is currently sailing from Goula, Louisiana, located on the Mississippi River, thru the Panama Canal to Los Angeles. He purchased a sail boat at the mouth of the Mississippi River and wanted to sail it home. He got his amateur radio general license right before he left so that he could have back-up radio communications besides the normal marine radio. We were hoping to hear him on the 14.300 MHz HF maritime net but unfortunately his ham radio's automatic antenna tuner failed so he has not been on the air. His radio is an ICOM 735 with the AH-2 antenna tuner. If he can rig up a simple wire dipole he could get on the air without the tuner, but we don't know if he has the materials to do this, or even if the radio still works. However, he does have satellite email capability from the boat and has been sending position and status reports to Don Heflinger WA6FEL. He has crossed the Gulf of Mexico stopping at Progreso, Mexico. Upon departing from Progreso, he was escorted by the Mexican navy and to Isla Mujeres where he had to return by bus to Merida, Mexico to fill out some neglected paper work. Presently, he has been under sail through the Caribbean Sea since May 3 averaging about 3.6 knots coming down the central American coast. Hobson should have some interesting stories when he finally makes it back to Redondo Beach.

Crosstalk History

Dave Nelson AB6DU

As this is the first year of this column, we are including notes from the first years of Crosstalk (starting 1968) and from 25 years ago (1979). It is intended to provide a historical perspective on club events and former members and highlight significant items of our rich heritage.

From the ARC Bulletin, April 1968

In the opening paragraph, *THE PREZ SEZ*, Doug Heydon, WB6WDS, apologizes for the late issue. [He would be pleased to learn that practice has been continued through the years.] It was delayed to include the membership list, which was being updated. Punch cards were being used for the first time, and it was expected that quarterly updates to the list would be available, with the full list attached to the annual report to members. [No doubt he would have been impressed by our website list for 2002, although the problem of updating seems to have remained with us in 2003.]...It was announced that an evening general meeting would be tried next month, as an attempt to increase member interest and participation. The executive meeting schedule was also published...Field Day Chair, Doug Freeman, WA6AZW, had sent a questionnaire to members soliciting FD suggestions and comments. He received 8 returns from 93 mailed...A contest was announced for a bulletin title and logo, with a promise of a suitable ham-type prize to the winning entry...SECRETARY'S REPORT, by Doug Freeman, WA6AZW, updated members on the last executive meeting, reporting progress on antenna installation drawings, a lack of equipment tune-up procedures in the shack, and reported that Johnny Rothrock promised to return a missing Swan handbook. A training program was being created, including Morse code. ARRL affiliation was being held up as the required 51% membership had not been achieved. Ed Thornley presented a program to acquaint the club with honorary life member Benjamin B. Cantaros of the Culion, PI, leper colony...TREASURER'S REPORT included expenses of \$4.87 for door prizes and \$1.50 for the speaker's lunch for the last meeting. Income included \$61

from SEA and \$12 member's dues, with a balance on hand of about \$252. ..SAGA OF THE SHACK, by Ed Thornley, WA6JHD, reported that Bill Dews, K6AWO, demonstrated the shack to the Space Science Explorer scouts, and that a new call book was purchased...NEW MEMBERS reported three new members, Jack Clarke, WB6TCR, BruceWade, W6FKD, and Douglass Wilson, W6GOT. Norm Watson exchanged WB6RTC for W6DL*, and Herb Gleed changed to W6FQ from W6ZPZ...BLIPS, by Don Schweitzer, WB6TES, reviewed the new issue of CQ and encouraged hams to become politically involved. He was, to the extent of losing his bid for city council. [Ah well, back to the shack, Don.]...Also noted was the opening of a new ham radio store, Ham City Electronics, a few blocks South of the 405 on Hawthorne Blvd. Hours were 9 to 9, and sometimes on Sunday, too.

From the April 1979 cross talk

[As you see, the bulletin had been re-titled, but we haven't yet discovered the date of first issue, and when it was changed to one word.]

This issue announced the LA Amateur Radio Convention, sponsored by the Lockheed Amateur Radio Club, W6LS. This event included a smorgasbord dinner with prizes such as a Ten Tec Argonaut and Henry 2K4-A amplifier. It also announced the ARRL Southwestern Division Convention at the Anaheim Sheraton Hotel...Mel Erb was looking for info on the 10 GHz Gunnplexer and any club members interested in microwave...It seems that evening club meetings were still not the usual venue, and a pitch was made to turn out for the next one in Bldg. R5...New hams were mentioned, Ray Herbrick, KA6FGH, and Phyllis Gilmore, KA4HRM, at TRW Washington Ops, daughter of Dave and Connie Gilmore from SP...Members were requested not to use the shack on 10 meters during lunchtime, until the RFI problems with the telephone system were resolved...Again, a positive report of increasing turnout for the March 31, 1979 Swap Meet was reported. And again, Gary, K6HPD, ran out of coffee and donuts...Treasurer Jim Hill, W6IVW, reported a balance of over \$800, and listed expenses including over \$16 for the speaker's lunch this time (a noticeable change from 1968) and \$6.06 for the "Bennie Fund."...There was a problem overprinting those beautiful Pioneer (spacecraft) QSL cards. Usual printing costs were prohibitive. However, two resourceful members found solutions. One applied transparent gummed labels and the other managed to use a high school print shop to reduce costs. (Note: the Pioneer cards were available to members for their own use, a donation of TRW to the club. They might still be available in the shack. Contact QSL manager for current info.)...A pitch was made to join a private local two meter repeater on 146.235. (Hmmm, before W6TRW/R?)...A paragraph was dedicated to the success of the club for honorary member Benjamin Cantaros, the Philippine leper who was trying to support his family with an electronics business in the PI. The club's efforts raised funds from ECHO charities and member donations. Also, ECHO donated funds to the American Leprosy Missions, Inc., as a result of this effort...Special mention was made of the program of the last club meeting. Tom Rothwell, K6ZT, presented his phased vertical antenna design. They worked well and were nearly invisible from the street. A copy of the details were provided to Al Lee, W6KQI, and interested members are encouraged to contact him. (Note: Al Lee, same call, is usually present at the thrice weekly Retirees Net, at 7185 MHz, +/- QRM, afternoons at 2200 GMT. We expect Tom enjoyed the sumptuous dinner provided by the club.)

* Note. Norm Watson, W6DL, has authored articles, e.g. "Triangular Loop Antenna," April 1968 QST, p. 54, "plus articles in June 1968 QST and May 1970 Ham Radio. If other members have published articles, this author would like to know about them.

SEA AMATEUR RADIO CLUB

ELECTED OFFICERS

President	Wendell Young	KE6ASC	R3 / 1086	(310) 813-7691
Vice President	Mike Hamada	KF6UCN	M5 / 0560	(310) 814-2628
Secretary	Jim Winterroth	KF6IMA	R4 / 1185	(310) 812-2844
Treasurer	Greg Shreve	KE6YEX	R2 / 1120	(310) 812-9347

APPOINTED STAFF

2m Repeater	John Cheatham	KE6OJM	R9 / 2896	(310) 813-5903
447 Repeater/Autopatch	Duane Park	WA6EIK	O1 / 1080	(310) 813-4219
Activities Chairperson	Mike Hamada	KF6UCN	M5 / 0560	(310) 814-2628
Crosstalk Editor	Jim Harrison	K6OUE	R6 / 2541	(310) 814-1937
Emer. Comm. Coordinator	Wendell Young	KE6ASC	R3 / 1086	(310) 813-7691
Librarian	Jim Harrison	K6OUE	R6 / 2541	(310) 814-1937
Membership Chairperson	Jason Fujino	KD6ELS	R5 / 2130	(310) 812-5461
Past President	Bob Briggs	KD6WYQ	O1 / 1250	(310) 813-2622
Publicity Chairperson	Jim Harrison	K6OUE	R6 / 2541	(310) 814-1937
QSL Manager	Rod Scott	KE6PI	R7 / 2041	(310) 813-1493
Shack Master	Pete Livingston	W3CRI	R1 / 1096	(310) 813-9550
S.P. Packet/Internet Sysop	Chris Wachs	WA2KDL	201A / 5386	(310) 813-1506
SEA Representative	Chris Wachs	WA2KDL	201A / 5386	(310) 813-1506
Swap Meet Manager	Greg Martens	N6RRY	M1 / 1275	(310) 813-4049
Technical Chairperson	John Cheatham	KE6OJM	R9 / 2896	(310) 813-5903
Training Chairperson	Bryan DeAro	KN6OW	120 / 1020B	(310) 812-4789
Trustee of W6TRW License	Duane Park	WA6EIK	O1 / 1080	(310) 813-4219
Webmaster w6trw.com	Duane Park	WA6EIK	O1 / 1080	(310) 813-4219

SEA ARC Hotline (Club Answering Machine) (310) 813-8569
W6TRW 2 Meter Repeater (Open Repeater) 145.32 (-600) PL 114.8Hz
W6TRW UHF Repeater (Open Repeater / Closed Autopatch) 447.00 (-5 MHz) PL 100 Hz
W6TRW-3 Packet Radio Internet Gateway and BBS (1200 Baud Port) 146.745 (-600)

W6TRW Internet Home Page

<http://www.w6trw.com/>

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Redondo Beach, CA 90278

FIRST CLASS

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