



Smoke Signals

Newsletter of the Fullerton Radio Club

August 2006

PRESIDENT'S CORNER

We have good things to report! Last month's meeting presentation was "out of this world." I've never participated in EME transmissions and receptions, but have read articles that indicate how difficult this activity can be, and how weak the signals typically are. At the July FRC meeting Dennis Kidder, W6DQ, gave a most interesting presentation of the use of a 40-meter (that's 130 feet) dish antenna that the San Bernardino Microwave Society used to achieve an incredible 55 dB echo from their signal. They were even able to carry on 'rag-chew' conversations – all on 1296 MHz. You missed a great presentation if you weren't there, including some awesome photos, and audio feedback of actual EME contacts. We even had a few visitors. Many thanks, Dennis!

This month will also bring a "better than the average bear" topic and presenter (see column to the right). Mike Scofield is another excellent speaker, and for sure he will capture your interest as we look at what can be seen by satellite imagery. You won't want to miss the opportunity to hear Mike. I guarantee that he will keep your attention with subject material and presentation skills. Be sure to invite hams, friends, and family. Remember, the meetings are open to all visitors.

Reports are that the Amateur Radio booth at the Orange County Fair took the "best in show" ribbon. We offer a big thanks to everyone who took time to be part of the activity.

It is with a sad note that we report the death of long-time FRC member Jerry Goble WA6LGZ. Jerry passed away in July after a long illness. Jerry was active in the club and board for many years until health problems made it difficult to attend the meetings. A memorial service was held for Jerry on Friday, July 28. We offer our sincere condolences to his wife Norma WA6NPX. Please see page 4 for a special tribute of Jerry.

Attention! I may be contacting you with special request. One of the president's duties is selection of a nominating committee for identification of potential candidates for next year's club officers. Please read the *Club Future* column on page 3 as you make decisions of how you can assist the club.

73 for now
Paul Broden, K6MHD

FRC August Meeting

Wednesday, August 16, 2006

Fullerton Senior Center

QSO 7:00 PM – Meeting 7:30 PM

340 W. Commonwealth Ave.

Fullerton, CA

AUGUST CLUB MEETING PRESENTATION

Topic: INTERPETING SATELLITE IMAGERY

By: Mike Scofield, N6OKG

This illustrated lecture explores a wide variety of topics in over 100 countries. The majority of the images are from commercial satellites, and can show resolution down to two feet.

Topics include: HF antenna sites all over the world. Elephant cage antennae all over the world. Previously-secret military facilities now easy to view. Shadows; what clues they give us about objects. 17th Century fort design, and how Europeans built forts all over the world, in some very unexpected places. Baseball diamonds in countries we didn't expect them. Unexpected railroad facilities in third world countries.

One popular series of slides show WW2 bomber bases which the US Eighth Air Force built in East Anglia, England. Though the bombers are gone, the pavement removed, and the farmers have plowed them over, one can still see where the runways were.

MICHAEL SCOFIELD is Manager, Data Asset Development at ESRI, Inc. in Redlands, California. ESRI is the world premier maker of geospatial software, which integrate digitized map data from a variety of sources, along with imagery and terrain data. ESRI software is used by many government agencies for map production and geospatial analysis. Mr. Scofield has given over 130 lectures to professional audiences all over the U.S. and overseas in his primary field of data management. He has also presented this imagery material to amateur radio clubs and general audiences all over southern California. Licensed N6OKG, he has worked 30 countries on HF. He also has been published in numerous professional journals, and has had humor published in the LA Times and other journals.

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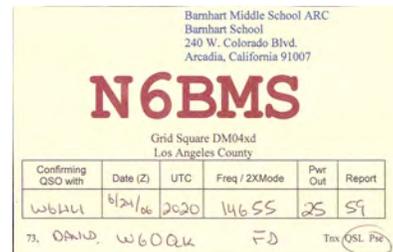
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A FIELD DAY EXPERIENCE



I think this is **GREAT!** Above is a QSL card from the radio club at **Barnhart Middle School Amateur Radio Club** that was sent in response to a contact made by FRC on Field Day. Here's a group of 12 – 14 year old youth who are interested and active in amateur radio. This makes me aware that there is still hope for the hobby of amateur radio for the younger generation, and everyone isn't completely caught up in video games and iPods.

Next on-foot transmitter hunt – Mt. Pinos, August 26/27

Our next direction-finding practice session will be the last in a series of local events leading up to the ARDF World Championships in mid-September.

This session will be open to anyone of any age, with or without a ham radio license. The ARDF courses will be "advanced" level, about the same length as typical national championship courses, with five transmitters. Although this is intended as training for experienced radio-orientees, it can be completed by beginners who are capable of walking or running at high elevation for at least 5 kilometers. There will not be any short-range "beginner" transmitters. Course-setter Marvin Johnston KE6HTS will be on hand to teach the techniques of on-foot direction-finding.

You may participate either or both days. Saturday will be a 5-fox event on 80 meters in the morning, followed by fox-oring on 80 meters after lunch. (What's fox-oring? Come and find out!) We'll gather for dinner at the Sizzler in Gorman at 6 PM. On Sunday morning, there will be a 5-fox two-meter course to try.

Mount Pinos terrain is mostly runnable forest, the air is clear, and there is no poison oak. Be sure to bring your own water. Scoring will be electronic. If you have an "e-stick," be sure to bring it; if not, you can rent one. There will be a \$5 per person charge for the use of Los Angeles Orienteering Club's scoring equipment.

Please be on time for this event. The radio-O group will meet at the McGill Campground day-use parking lot at 9:30 each day and carpool to the starting point. We'll try to monitor 146.52 MHz simplex for ham operators, but may not be able to hear you if you're not close by. If you don't find the group at the this parking lot, check the campground bulletin board for notes or instructions.

Directions: From Interstate 5, take Frazier Park exit and go west on Frazier Mountain Park Road. Continue 8 miles, passing Frazier Park and Lockwood Valley Road (which is your last chance for supplies and water). Four miles beyond the Lockwood Valley turnoff, stay left at the fork onto Mt Pinos Road. (If you reach Pine Mountain Club, turn around.) Go another five climbing, winding, miles to McGill Camp on your right. As you enter the campground, the day parking lot is on your right just before the road goes out to the campsites. Overnight camping is available for \$12 per campsite on a first-come-first-served basis at McGill Campground. The campground is dry, so bring your own water. There are motels at Gorman and at the Frazier Park exit of I-5.

Questions? Send e-mail to marvin@rain.org.

73,
Joe Moell K0OV

QST QST QST
ATTENTION: ALL Amateur Radio Operators

**FULLERTON AIRPORT
"OPEN HOUSE"**

Saturday, September 16, 2006,
10:00 to 4:00 p.m.

Needed are 12 to 15 Amateur Radio Operators. We only are six (6) weeks to this event and so Please Call me now. Our hours are from 7 a.m. 'till over. (around 4 p.m.) Thanks

Gene Thorpe KB6CMO
FRC Public Service Event
Coordinator 714-680-4258

Treasurer's Report

As of 8/2/06

Savings Account.....\$1,677.35
Checking.....\$507.73

BPL News

News released on Thursday, August 3, 2006 through ZDNet news indicates that "the FCC unanimously adopted an order designed to reaffirm and build on the first set of rules issued for the technology in 2004, which had drawn a number of reservations from both inside and outside the industry. The original guidelines focused on preventing the nascent Internet service from causing harmful interference with radio signals that rely on nearby frequencies, such as those commonly used in aviation and in zones near U.S. Coast Guard and radio astronomy stations."

Fullerton Radio Club Net

Tuesdays, 8:00PM
147.975(-) PL 114.8

Everyone is invited to join in the conversations.

We're looking for Amateur Radio articles – technical or not – to include in **Smoke Signals**. Does anyone have something they'd like to contribute? Please contact the Editor.

The Club Future

The future of Fullerton Radio Club belongs to all of us, and it is our responsibility to see that club goals, objectives and missions are accomplished. So what does all that mean? Well, as a start, lets look at the Club By-Laws say.

Article 1, Section 3. "The objectives of the organization shall be: (1) to further the interest of amateur radio in the general community; (2) to maintain a well organized group of amateurs to render communication in case of any emergency or disaster; (3) to provide an outlet for the dissemination and discussion of data to further the individual efficiency in construction and operation of equipment for Amateur Radio Communications; (4) to secure for ourselves the association of persons commonly interested in Amateur Radio, and (5) to affiliate or cooperate with any individual, group, firm, organization, or corporation in the furtherance of the foregoing purposes."

All 5 of the stated club purposes are linked and directed by an unwritten group of three personal pronouns – **you, me, and us**. There is a well-worn phrase that says there can be no CL B unless U are in it. Okay, the phrase actually says there can be no CH CH unless UR in it, but hey, the concept works here too. The fact is that we have a great club, made up of members with diverse interests in the hobby of amateur radio. We are presenting activities and programs with subjects to fit as many of the diverse interests as possible, including some items that should be of interest to the general public. BUT — we need to nudge everyone a bit and remind *you, me, and us*, that the organization requires volunteer officers and board members to keep running. PLEASE consider which of the following offices and/or board positions **you** can fill. After all **us** and **me** could use some help! All positions are open to nomination, and some new blood would be VERY welcome!

Board Minutes August 2, 2006

Meeting began at 7:40 P.M. at Marie Callender's in Placentia. Members present for Fullerton Radio Club board meeting: President Paul Broden, Vice President Bill Kohlenberger, Secretary Gary Miller, Treasurer Manuel Borges, Board Members Gene and Cheryl Thorpe, OCCARO Representative Larry McDavid.

Speakers/ Topic for August: Mike Scofield, N6OKG - Interpreting Satellite Images

Club Bylaws: The most current draft will be emailed to each board member. A vote will be taken at the next board meeting for review prior to submission to the membership for approval.

Club Web Page: The site is once again working.

Club Brochure: Copies will be sent to each board member as a ".pdf file" so that it may be printed and passed out as needed.

Membership: The club roster, with email addresses will soon be available.

Fullerton Airport Day, Sept. 16: The city will once again have Airport Day, Gene needs up to ten additional operators for the day.

Silent Key: Bill W6ZKE represented the club at the funeral of a long time member Jerry Goble, WA6LGZ this last month.

Nominations: Nominations are needed for all club positions. Contact a board member if you can help.

Generators: The board voted to liquidate both club generators and use the money to purchase one or more heavy-duty batteries and a slow charger.

Raffle -- drawing this month

Meeting ended at 9:22 p.m.

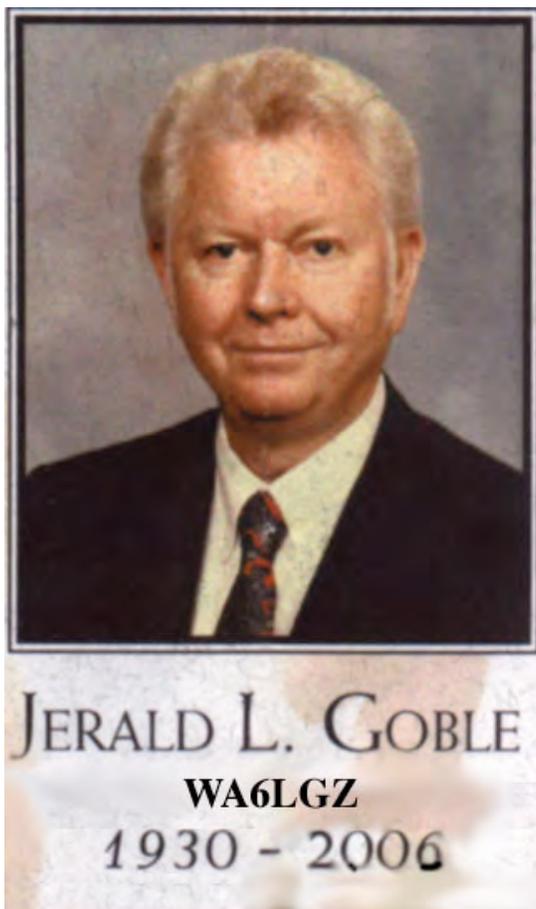
Gary Miller, ka6gpc
Secretary, Fullerton Radio Club

WA6LGZ – SK

To use a Dickens like phrase, there were some plus times and some minus times this month of July 2006.

On the loss side, Jerry Goble, WA6LGZ, became a SK. For a number of years had Jerry, who was a former avid Dxer, offer his experience, common sense and good ideas to FRC as a loyal board member until health problems began to cost him heavily. Jerry was widely known as a very active Military Veteran, American Legion Member and active ham radio operator working many years to grow emergency Communications preparedness in Orange County.

I had the privilege of representing FRC by attending his memorial service at Fairhaven memorial park in Santa Ana. An honored Veteran, he will rest in the Riverside National cemetery. He's survived by wife Norma, WA6NPX who has been actively serving with the Fullerton Railway Plaza Assn, Inc. < <http://www.scrmf.org/> >. We will truly miss but gratefully remember Jerry's support to FRC with Norma's very capable help.



ON THE POSITIVE SIDE

On the Plus side, upon our arrival at the Orange County Fair (7/26/06), Manuel, AE6SG, Gary Miller, KA6GPC, & I were given a summary of the major features shown to be in the booth by Gordon West, WB6NOA. The booth, setup by Kristin, K6PEQ's team from the Orange County Council of Amateur Organizations (OCCARO) was awarded the Big Green Ribbon for "Best Of Show". Good job Kristin!

A lot of new hams that had just passed their VE exam enthusiastically dropped by the booth. I had the most fun listening to and watching reactions of kids who used straight keys to send their names by CW. The big reward was watching their surprise and disbelief at the fact they could actually have me understand and repeat out loud letters they had sent, even though I had not previously known their names. Even some accompanying brothers, sisters and parents of the first CW sender were "blown away", and then were eager to also send their names.

Gene, KB6CMO, and Cheryl, KE6TZU, arrived to start the evening shift, aided for a while by Manuel who continued past his shift time. On Gene's arrival he discovered we were out of FRC brochures. Manuel had some at home but he wanted to stay longer. I decided to go to Fullerton for our brochures and return as soon as possible. The new supply was delivered just as Joe, KØOV, & April, WA6OPS, were arriving for the late shift to close the booth. Thanks to all those working the booth for FRC.

Although the Fair attendance was a little less this year, we still had lots of visitors, much fun and a rewarding time representing ham radio as Fullerton Radio Club members. Thanks to all those working the booth for FRC.

73

Bill Kohlenberger,
W6ZJE



**Manuel AE6SG and "Gordo" WB6NOA
At the Fair Booth**

Monthly Board Meeting
 Open to all Members
 Marie Callender's Restaurant
 126 Yorba Linda Blvd.
 Placentia
Next Board Meeting: Sept. 6, 2006
 Talk and Dinner: 7:00 PM
 Meeting: 7:30 PM

Orange County Council of Amateur Radio Organizations (OCCARO) Web Site
www.occaro.org

Fullerton Radio Club Web Site
<http://www.FullertonRadioClub.org>

VE Sessions
 For Information Contact
Bob Reitzel, KD6DA
 (562) 691-1514
 Next VE Exams: **August 12, 2006**
Please call one week in advance to reserve a place

WORLDWIDE DISTRIBUTION



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Classified Ads:

Fullerton Radio Club is offering 2 used gasoline-powered generators for sale.

- Craftsman 1800 watts 2 – 120 V outlets \$75. OBO
- Powermate PF52-4000, 4000 watts 2 – 120 V & 2 – 220 V outlets \$125. OBO

Both were rebuilt for field day 2005 and operated only twice since then. Neither have battery start, but started easily at the June 2006 field day activity. Offered in "as is" condition.

Shipping not provided. Must be picked up at storage site.
 Contact any officer or board member for further information.

**FULLERTON RADIO CLUB
 MEMBERSHIP RENEWAL / APPLICATION
 P.O. BOX 545, FULLERTON, CA 92836**

[Please Print]
 Name #1; _____ Call: _____ Class: _____
 Address: _____ City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____ E-mail: _____ ARRL Member Yes No

Name #2; _____ Call: _____ Class: _____
 Address: _____ City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____ E-mail: _____ ARRL Member Yes No

Dues are \$20 per member, or \$25 per family, Student (Full-time) \$10.00
 Bring your dues payment to the next meeting or mail to the above PO Box.