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Club Meetings: 2nd Wed of month  
12 Noon in 238-543. All welcome

Board Meetings: 4th Wed of month  
12 Noon in 238-543. All welcome

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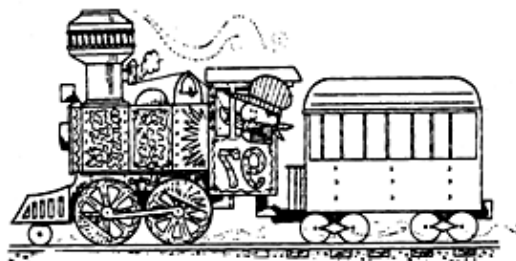
MAIL STOP

Jet Propulsion Laboratory  
W6VIO Calling M/S 233-208  
Attn: Eileen McKinney-Editor  
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Pasadena, California 91109

# jpl → W6VIO CALLING



W6VIO CALLING NEWSLETTER DEADLINE FOR STORIES TO BE SUBMITTED FOR SEPTEMBER ISSUE WILL BE 6 SEPT. OR BEFORE. MONDAY THE 5th. WILL BE A HOLIDAY SO PLEASE ENSURE THAT YOUR ARTICLE IS SENT AS SOON AS POSSIBLE. PLEASE MAIL c/o ADDRESS ABOVE. YOUR NEWSLETTER DEPENDS ON YOUR ARTICLES SO DON'T LET IT DOWN!! THANK YOU!



AUGUST CLUB MEETING SLATED FOR 10 AUGUST  
12 Noon - Bldg. 238-543. All welcome

AUGUST BOARD MEETING TO BE HELD AT NOON  
ON 24 AUGUST 1983 - Bldg 238-543. Each  
and every member welcome-not limited to  
Board. So come and attend-be involved!!

SEPTEMBER CLUB MEETING - ADVANCED NOTICE  
Will be held on 14 September - Noon -  
Bldg 238-543. Guest Speaker will be Stan  
Brokl - should be a great meeting!!

DX NEWS by Bob N6ET

Casual observations of the HF bands on several occasions this month lead me to the conclusion that we are headed toward the low point in the sunspot cycle. Either that, or summer conditions are poorer than I remember them being! In spite of that, a number of DX activities are probable this month, and conditions may indeed permit us West-coast guys to participate.

Crozet - FB8WI is active from 1200Z between 14150 and 14155 kHz. (I still need him!)

Kampuchea - XU1SS may be active on 10, 15 & 20 from about 10 August for 2 to 3 weeks. XU hasn't been active for almost 10 years now.

Lesvths - Look for 7P8CL on the low end of CW bands on 10-80 meters.

Mongolia - JT1AO is frequently on 14227 kHz from 1400Z on (the W7PHO Family Hour).

Republic of Guinea - 3X4EX also will be checking into the W7PHO Family Hour for the next few weeks. (Also, try 21334 kHz from 1700Z).

So. Shetlands - 4K1GDW is active from 1600Z between 14005 and 14020 kHz.

Have fun, make lots of QRM! I want to try the rejection capabilities on my new ICOM-740 which just arrived by UPS today.

73's 'til next month.  
Bob N6ET

PRESIDENT'S MESSAGE

During several of our recent board meetings the subject of adding equipment to the club station has come up. The feasibility of having several novice stations available for loan while new novices were setting up their own stations was discussed. Another suggestion was to purchase several 220 rigs again for loan to club members who were participating in some type of ham supported event. Still another area which has not received much attention yet is the capability of working the latest Oscar at all of its operating frequencies.

It would be just great if we could get optimum usage of the equipment we already have. This would certainly act as a stimulus to extending capability as well as upgrading existing equipment. Obviously some of us live quite some distance which makes the use of the station inconvenient. Most hams, of course, have a home station and this also reduces the utilization of the club station.

All club members are urged to operate the club equipment whenever possible after a proper checkout. In addition, suggestions from club members on station upgrading and utilization are welcome.

John Repar WA6LWD

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The article below was written by our own Stan Brokl, N2YQ and was published originally in the So. Calif. DX Club Bulletin June 83.

## So who needs the hassle anyway?

By Stan Brokl, N2YQ

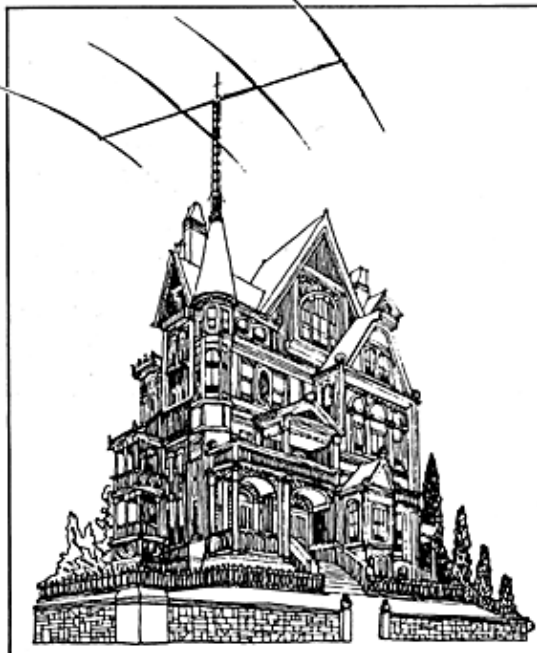
With all these restrictive antenna ordinances being put through by local city governments, the time has come to ask the big question: who needs this hassle? Hams are outnumbered by the general population 100 to 1, so why not spend our money in other ways?

Besides, I don't think higher is necessarily better. N6VI told me one antenna of his wouldn't work at 150 feet and had to be lowered to 90 feet before it would. My 20-meter antenna is only 40 feet off the ground, and I can work everything. Almost.

Another friend uses buried antennas. He has a ten-meter dipole, in fact, that is two feet underground. He claims great success with it—WAC with 10 watts, for example. (He decided to go QRP when he attempted to run a kw and discovered that the worms in his lawn frantically squirmed about making a great racket. This partially explains why the U.S. Navy in Wisconsin has the world's largest underground antenna system for communicating with submarines.)

Another advantage to low antennas is that they can have dual purposes. For instance, one can design a flagpole around a 40 or 80-meter vertical, or create a rain gutter system out of large aluminum dipoles. It also turns out that at certain frequencies and power levels a human heating system by RF excitation could be created, thereby eliminating the need to heat one's house. (As we know, microwave ovens use this principle. It would be most effective on the FM bands.)

Also by induction, low antennas on 160 and 80 meters can serve double duty as remote wireless lighting systems. I remember about 20 years ago hearing a scream at 2 AM from the woman next door. It seemed my low 80-meter antenna was periodically lighting the fluorescent fixture in her kitchen. The next day they took her away to the state hospital and her husband has been grateful to me ever since. Thus, the creation of goodwill is just one more of the many advantages of having a low antenna.



NEW NOVICE EXAM PROCEDUREHAMS OF THE MONTH

Dan Bathker - K6BLG holds a General Class License and celebrates being a ham for 30 years. In 1953, one boarded the Pacific Electric Railway "Red Car" in Burbank, and enjoyed a ride including trestles and tunnels to downtown L.A. A short walk to the Federal Building allowed one to display their shaky fist, pounding ears and test taking abilities to the F.C.C. Examiner. Several weeks of anguish later, that ticket to operates 80 and 40 CW and 2 M (A.M>!) 'phone arrived. Dan says he'll never forget the thrill of that first QRP DX on 80 M (Would you believe Utah?) nor drilling that 5/8 hole dead center in the top of his '41 Ford for the 2M whip. Later activities centered on four children, three now grown and a highschool senior. Interests include 20M DX, VHF Propagation, "Anything that radiates" (Theory and mostly practice), travel, music, more or less in that order. He has stood accused and found guilty of "tending towards looking at antennas, not scenery, when travelling". He enjoys listening more than operating and a goal of license upgrading is rising in priority (no call sign change, please). He thanks the JPL ARC "Just for being there" during his recent low activity periods.

Jim Lumsden - WA6MYJ holds an Advanced Class License and has been a ham for 15 years. His former call sign was WN4KES. Jim was born in Providence, Rhode Island and grew up in New Hampshire between the ages of 5 and 12 and then later on in Glendale. He's been married for 19 years to Faye and they have three children ages 14-10 and 9. Jim operates on 220 mostly and some HF. He is a life member of ARRL and also belongs to the 220 SMA. He is currently our Repeater Chairman and has been President, Treasurer, Facilities Chairman and Commemorative Chairman in the past. Also past Newsletter Editor. His other hobbies include photography.

CONGRATULATIONS AND BEST WISHES

Belatedly to Dory & Bob (N6ET) Polansky on their 25th. Wedding Anniversary. A nicer couple could not be found on the face of the earth. May they have at least 50 more wonderful years together.

WELCOME to John Repar's first baby grandson. May he have a long and wonderful life and grow up as nice as his "grandpa".

In a separate, but related, ruling the FCC has revised the Novice Class licensing procedure effective August 31, 1983. The new Novice procedure includes a requirement for the applicant to be able to send as well as receive 5 wpm code. This may discourage some Ham Class prospects, but hopefully will make others feel more inclined to use their Novice privileges once they are licensed.

Like the FCC proposed Volunteer Examiner procedures for the higher class licenses, the newly adopted Novice procedures call for the list of written questions to become public information - - in this case a total of 200 such questions from which 20 will be selected for the actual examination. There are also expanded restrictions on who may become a Volunteer Examiner. Besides the usual prohibition against: relatives; manufacturers/publishers in the Ham radio field; or employer/employee relationships, the new Novice procedures also prohibit an employee/employee relationship. The latter is quite significant and could necessitate a change in how our club conducts its Ham Classes (especially if the concept carries over into the pending higher grade license procedures). Jay Holladay, W6EJJ, has contacted ARRL-Hq who will petition the FCC to rescind or relax this overly broad rule. Hopefully, this issue will be clarified by the time of fall Novice Class enrollees and the time they will be ready to take their exams.

Speaking of exams, the new Novice procedure does cut 4-6 weeks out of the licensing cycle. Formerly it was necessary to submit the Form 610 application after passing the (receive only) 5 wpm code test then wait 406 weeks for the written test to arrive. Under the new procedures, the written exam is to be administered immediately after a successful (receive and send) 5 wpm code test. If the applicant then passes the written test, that fact is so stated on the application by the Volunteer Examiner and the papers sent to the FCC. In due course, the FCC will then mail to the applicant his Novice Operator's and Station Licenses.

Though we will be feeling our way, the Club still plans to have a Novice Class starting mid-September at the usual times and place - i.e.: Tuesdays and Thursdays at Noon in 238-540.

(Paul K06D)

CONGRATULATIONS and a long and happy life together are wished to Stan Brokl N2YQ and his lovely Chris who have August wedding bells on their calendar.

CONGRATULATIONS and a life filled with every happiness and joy are also wished to Stan Sander (N6MP) and his bride-to-be Joan. They also have an August wedding scheduled.

FIELD DAY 1983 - The JPL Amateur Radio Club Annual Encounter with Field Day was once again a great success! This year we managed to have a total of 1254 contacts from our sunny and warm mountaintop perch at Mt. Disappointment. We operated two full time stations plus a Novice Station. These roamed around the various ham bands depending upon the skip conditions. One of the stations while operating 2 meters and 220 MHz operated fully off of solar power. Jim Longthorne, WA6KPW, had built up a new regulator system for the Club's solar panels and it did a super job. Thanks Jim! Transmitters operating from 80 to 10 M ran strictly off of generator power.

Our total points for the venture this year should be 4,282. This is not as good as last year's effort but it's still very respectable for a group our size. This point total includes all the phone/CW contact points plus extra bonus points for Emergency Power Operation, Public Relations, Message Origination, Message Relay, Natural Power Operation, and Copying a WIAW message.

A number of Club members weren't able to help us operate this year but they did come up to the site early to help set up antennas and equipment. They they returned after the operating period to help "tear" things down. In particular, special thanks to Bruce Beaudry, WD6HEZ, and Jason Kovatch, N6BCI! This work was greatly appreciated by all.

One of the highlights of the entire operation this year was the food. Four full meals were served, two of which centered around prime rib! We operators were always full of good chow. That's one reason why we made as many contacts as we did over those long hours of fighting QRM. Special thanks to Jim Lumsden, WA6MYJ, and his lovely XYL, Fae, for doing such a fine job. I must admit that Fae really made our meals seem like a real treat just by being there! I expect we all have to count a few calories now after the feasts we had.

While the OM's were hamming it up - the kids were hiking, and the XYL's were swapping stories and taking naps. Everyone had a very relaxing time. And, there were enough rest rooms to go around!

This year we had a full time Novice Station in operation. It was a three man operation during the first day with Mike Stewart, WA6VOI, Deril Schmitt and Mike Lumsden holding down the fort. On the second day the two Mikes did all the brass pounding. Special thanks to these ops for a swell job. Together they managed a total of 28 contacts.

Also, special thanks to Sam Weaver, WB6EMO. Sam is always there when you need him doing the jobs that no one else seems to be able to do! This year among other things he watched over our gasoline generators making sure that they did not run out of gas and oil. That's one of the most important jobs and many times it's overlooked.

Now a special thanks to everyone who participated. I know we all had a great time hamming it up together and in general working together to accomplish the goals of a Field Day Activity. I'm sure that those of us who participated know that our Club has the capability to operate successfully in time of emergency. And that's what Field Day is really all about. Thanks to you all for your time and efforts!

73 (Brian KW6T)

#### 1983 FIELD DAY PARTICIPANTS

Bruce Beaudry WD6HEZ  
 Norm Chalfin K6PGX  
 Dwight Holmes WA3NPK  
 Vince Humphrey W6RNO  
 Jason Kovatch N6BCI  
 Jim Longthorne WA6KPW  
 Jim Lumsden WA6MYJ  
 Walt Mushagian K6DNS  
 Bob Polansky N6ET  
 John Repar WA6LWD  
 Stan Sander N6MP  
 Deril Schmitt KA6YIX  
 Brian Stapleton KW6J  
 Mike Stewart WA6VOI  
 Sam Weaver WB6EMO  
 Dave KB6NI



(Pictured above left to right Dwight Holmes WA3NPK, Jim Lumsden (WA6MYJ) and his XYL Fae. Photo by Stan N6MP)



SUPPORT YOUR RADIO CLUB BY ATTENDING  
 THE MEETINGS AND BEING CONCERNED!!!!