



W6VIO CALLING



VOL 12 NO. 4

MAIL STOP-Jet Propulsion Laboratory
W6VIO CALLING M/S 233-208
Attn: E. McKinney
4000 Oak Grove Drive
Pasadena, California 91109

CLUB MEETINGS: 2nd Wednesday of each
month at 12:00 Noon in 238-543. All
welcome. Next one: April 14

DEADLINE FOR VIO INPUT: ~ 28 April

Club Sponsored OPEN Repeater: W6VIO/R
222.44 in/224.04 out. Has user operated
link to WR6AZN on Table Mountain.

NETS: Amateur Radio News Net: Tues 8 PM on W6VIO/R
OSCAR Net/Wed 8 PM W6VIO/R



PRESIDENT: John McKinney N6AVW
V.PRES: Art Zygielbaum WA6SAL
SECRETARY: John Earnest N6CTT
TREASURER: John Repar WA6LWD
DIRECTOR-AT-LARGE: Stan Sander N6MP
TRUSTEE: Jay Holladay W6EJJ
EMER. COMM. MGR: Merv MacMedan N6NO
EDITOR: Eileen McKinney KA6DGV

Permission to copy is granted provided
credit is given to "W6VIO CALLING".

CLUB SIMPLEX FREQUENCY: 223.4

CLOSED CLUB-MEMBER ONLY-REPEATER with auto-
patch. 222.48 in/224.08 out - WB6IEA
BOARD MTG: 4th. Wed-12 Noon-238-543 Next one 28 April



RADIO SUPPORT FOR THE 1982 BAJA AIR RACE

The all women's air races to Mexico have been variously known as "powder puff derbies" and "angel derbies", but this year it's the "All Woman Baja California Air Race". It is limited to 50 entrants, and will need the support traditionally provided by amateur radio. The three day race is from Long Beach to La Paz and celebrates the 447th. Anniversary of the founding of La Paz. The schedule is as follows:

Long Beach	Take-off	Apr 30, 1982
San Felipe	(overnight stopover)	Apr 30-May 1
Bahia de Los Angeles	(fuel stop)	May 1
Louto	(overnight stopover)	May 1-2
San Jose del Cabo	(overnight stopover)	May 2-3
La Paz	Finish	May 3

Radio communications at Long Beach in a previous race were skillfully provided thru the courtesy of RALAC under the leadership of Randy Johnstone/WB6QWR, and it is hoped that the 1982 race may again be the beneficiary of RALAC support at Long Beach. But support is also needed at Bahia de Los Angeles on 40 and 80 meters and 122.8 MHz. The communications teams will be operating under government sanction and will be assigned XE calls. Anyone interested is requested to contact Nash Williams/W6HCD X-9018 or P.O. Box 5342, Pasadena 91107. (Nash W6HCD)

JPL ARC DUES ARE DUE AND PAYABLE NOW!!

If your dues are not paid by this week, your name will not appear on the new membership roster being prepared by Secretary John Earnest. There is still time - get your \$3 over to John Repar.

President's Message

The Voyager Commemorative QSL cards are finally back from the printer. As reported last month, Bruce Beaudry, WD6HEZ, is organizing the effort to confirm contacts and get the mailings out. Members who volunteered to help (six months ago) can expect to hear from Bruce before long. Additional volunteers are needed and should contact Bruce at x7872.

Dick Piety, K6SVP, reports that a SSTV tape containing an outstanding selection of Voyager Saturn pictures is in the final stage of production. SSTV enthusiasts can obtain the cassette tape from the club for \$7.

Brian Stapleton, W6LZP, and his wife Mimi, WA6CWR, have become less available for club functions as a result of Brian's recent job transfer to Newport Beach. Brian has agreed to continue doing what he can to plan Field Day, but requested help for coordination of on-Lab activities. Stan Sander, N6NP, has agreed to help and will serve as Co-chairman with Brian. With all this high powered talent, the club can look forward to another outstanding Field Day. Congratulations on the new job and we are glad to see that both Brian and Mimi will continue to be active in the Club.

Speaking of Field Day don't miss the article in this newsletter and be sure to return the attached questionnaire as soon as possible.

Merv Mac Medan, N6NO, has been tasked to define the Clubs ability to support emergency communications. To facilitate this, Merv will be contacting club members next month to complete an Emergency Communications Capability Survey. Your timely support of Merv in this activity will be appreciated. (John, N6AVW)

THE SPACE ASSOCIATION

Through the simple?? process of making the Space Shuttle Mission Control Audio available on 220 MHz, a very large number of amateurs and non-amateurs were able to follow the progress and live the memorable moments of the STS-3 Space Shuttle Mission. Many 2 meter, 220 MHz, and 450 MHz repeater systems picked up the Mission Control audio from the W6VIO/R repeater on 224.04 MHz and spread the signal all over the earth. Just how far the signals ultimately reached may never be known.

We were literally able to be with Astronauts Jack Lousma and Gordon Fullerton every step of the Mission from launch through touchdown, at any hour of the day or night (March 22 through March 30, 1982).

I am convinced that the popularity of this type of activity demonstrates that the public wants to be more closely associated with significant events of this magnitude. Top notch coverage of the W6VIO/R operation was provided by newspapers and by television crews. Many inquiries from the public wanting to know "Shuttle frequencies" followed each article or news broadcast.

As usual, several very dedicated individuals made this event possible. A detailed article will appear next month with a better description of what was required to pull this activity off. Meanwhile, a very sincere thanks to the following persons for their contributions: W. Diem-WA6PEA, B. Weiner-K6OQK, S. Sander-N6MP, J. Patzold-WB6TXG, J. Russell-WB9RNW, W. Rankin-WA6MPG, F. Bristow-JPL Public Affairs Office, Cory Borst and Greg Hanchett of Von Karmen Auditorium.

(Jim WA6MYJ)

MEMBERSHIP CARDS

We have sent out all of the membership cards which remained from the last acquisition. Our current design has been run through the printing process incorrectly on two occasions. The third scheduled delivery date is March 29. Hopefully, you should have your membership card before the April Club meeting. You are also urged to pay your dues if you have not done so yet. (John WA6LWD)

ARRL NEWS

Excerpts from the ARRL Board Meeting Highlights, dated 20 March 1982.

Victor C. Clark, W4KFC was elected ARRL President and Jay Holladay W6EJJ was elected to the Executive Committee. David Sumner, K1ZZ, was elected General Manager of the ARRL Headquarters.

In FCC matters, the League will prepare a response to FCC Docket 79 144 concerning the biological effects of rf energy and petition the FCC to allow amateur use of AMTOR transmissions.

(Mtg Highlights submitted by Jay W6EJJ)

Courage Center
3915 Golden Valley Road
Golden Valley, Minn 55422

George Morris
Jet Propulsion Lab

Dear George,

I want to thank you for the excellent tour of JPL you staged for our Radio Camp group. Without question this trip was a highlight of the week for both our campers and our staff. It is immediately obvious that you went to some great lengths to ensure a meaningful tour of the facility and talks by acknowledged experts.

Quite frankly, I and many of the campers were absolutely swept away with your discussions of communications techniques, antenna design, radio astronomy, and the search for extraterrestrial intelligence. I am deeply appreciative.

We have processed some black and white and color prints of our tour and I will be forwarding the black and white prints to you just as soon as I receive them. In the meantime, enclosed are some color shots which you may use any way you wish. Thanks again for your gracious hospitality.

Yours very truly,

Courage HANDI-HAM System
Bruce L. Humphrys, KOHR
Director



FCC OFFICE WILL BE CLOSED THESE WEEKS

The FCC Office will be closed the 3rd and 4th weeks of April, July and October. Before making the trip it might be a good idea to call to make sure the office is open. Above information is provided according to a posted sign in FCC Office.

(George KD6FL/LB*)

DX NEWS

TRISTAN DA CUNHA - Andy, ZD9BV, has been showing on list operations on Mondays from 1600-1900Z and Tuesdays/Thursdays from 1800-2200Z. Either 21,338 KHz or 28,620 KHz are the frequencies to watch. Look on 14,225 KHz at 1530Z also.

JERSEY - GJ6UW and seven other amateur radio operators will make Jersey available to everyone from 7-14 April, 160-2 Meters, mostly SSB.

SABLE ISLAND - VE1AI/Sable Island is planning to operate starting about 1 April. Past operations have lasted several days to about a week, as I recall, and were mostly CW. This is one of the 8 I still need on 20 meters of all places!

GUINEA - J1BRK plans to operate from 3X-land during April and May. No other details are available.

GUINEA BISSAU - J5HTL is active from here through 5 April on CW & SSB, 10-80 meters. Look at the usual DX frequencies.

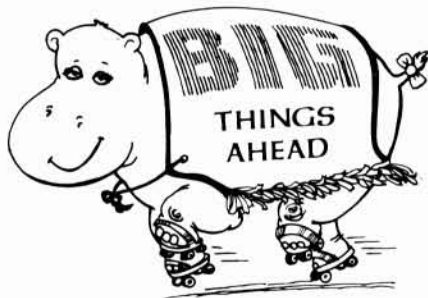
RWANDA - 9X5SL is on Sundays all day starting at 1200Z (4 AM PST, a tad early for 10 meters)

SEYCHELLES - S79ARB and S79WHW should have strong signals on 20, 15 & 10 starting in April, as they are adding new beams to their systems.

TOKELAU ISLAND - ZM7VU is on now through 17 April. Look for him on CW at 5 KHz above the hard edge (28,025 KHz on 10 meters).

MAINLAND CHINA - A well-known DXchaser known to most readers of this publication has advised that BY1PK was expected to start operations from here on 29 March! Anyone heard him yet?

Try not to beat me too badly in the pile-ups! 73's. (Bob N6ET)



UPCOMING EVENTS

April 16 - Communications support for the JPL Jogging Club NASA 10k meter run. Volunteers should contact John McKinney, N6AVW, at x6610.

April 17&18 - International Convention for DX for 1982 will be at the Visalia Airport Holiday Inn. It will be sponsored by the So. Calif. DX Club.

May 4th. - LA Council ARC Meeting - will be held at the Dept of Water & Power in L.A.

May 7-9 - West Coast VHF/UHF Conference at the Vacation Village Hotel in San Diego.



REMEMBER WHEN?

It's 1973 Remember When - It's Field Day Time and the plea was out to participate. The main theme was improvement over 1972 when our poor old group JPL ARC placed 106th. out of 182 in Field Day Competition. We only had four operators, three of whom stayed on the hill full time. Most of the contacts were made by one operator on 40 and 80 - by the name of Jim Lumsden-WA6MYJ. Isn't he still around the frequency somewhere????

Some things never change we're still trying to improve on last year's score in Field Day competition. See the attached Field Day questionnaire.

It's 1973 remember when JPL ARC initiated a special commemoration activity for the MVM73 mission. It required establishing a second operating position at W6VIO and included a special event station operation from the Boeing Employees Amateur Radio Society, K7NWS.

It's 1973 - the OSCAR 7 Test Flight AA-3 took place on October 6th. and was completely successful.

Someone wrote on Merv's blackboard "Speculation is the privilege of the Amateur." (Eileen KA6DGV)



CLASSIFIED COLUMN

UHF RADIOS FOR SALE -- GE MASTER PRO, WITH CONTROL HEAD AND CABLES \$325.00 -- GE PORTAMOBILE WITH 12 V POWER SUPPLY AND CHANNEL GUARD DECK, 7 WATT OUTPUT \$225.00. CALL GENE CANZANO, WB6GXS HOME: 258-6724 OR LAB: X-6009.

CONGRATULATIONS

George Hansen KD6FL/LB passed his Extra Class test on 10 March 1982. He only had 1 error on the code and he had 100% on the written test.

Congratulations also go to Dave Wagner, formerly KA60XU, who has now received his new call: N6GGJ. Dave upgraded to Technician Class on February 11th. His new call was issued on March 12th, which is only 4 weeks after Dave took his test in Long Beach. However, this speed-up by the FCC is not matched by the Post Office, which took 13 days to deliver Dave's new license. Ya can't win! Anyway, let's all welcome N6GGJ to the Club's repeaters. (Paul K06D)

Congratulations to JPL's Phil Chapman who submitted a paper on solar electric power to ARRL and also submitted a picture with his paper that was accepted as possible QST cover material. ARRL has also expressed an interest in hearing from JPL hams who would be interested in submitting an article of good design and construction material for equipment from 1.8 MHz through the microwaves. (Info submitted by Stan N2YQ)

GET WELL IN A HURRY

Our get well wishes go to Nancy Diem XYL of Walt WA6PEA. Nancy is recovering from surgery and we all send our best wishes and prayers for her speedy recovery.

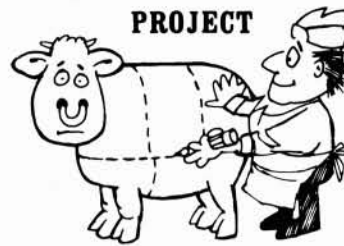


Composite Photo by Norm K6PGX

RADIO AMATEUR CIVIL EMERGENCY SERVICE

The above composite image shows Mimi Stapleton WA6CWR (Brian's XYL) and Ralph West (N6YM) at the communications carrels in the La Crescenta Valley Sheriff's Station during the Earthquake Exercise held on March 9th. George Morris W6ABW was the coordinator of the effort for the Radio Amateur Civil Emergency Service. There were 22 RACES members participating. Messages totaling 112 were passed by the communicators. The La Crescenta Valley ARC had a communications van at the La Crescenta Valley High School. The school was another dispatch center and emergency center with Red Cross and others involved. (Norm K6PGX)

A MEATY PROJECT

**FIELD DAY 1982 - JUNE 26-27**

It's time to start planning for our Club's 1982 encounter with field day! As most of you know, last year's field day was one of the best in our club's history. We scored in the top ten for our operating class in the Los Angeles area, and had a great time at the Mount Disappointment location. Everyone was able to do their share of operating, and the club-supplied food was one of the highlights of the entire event. This year it's going to be hard to surpass the rewarding time we experienced.

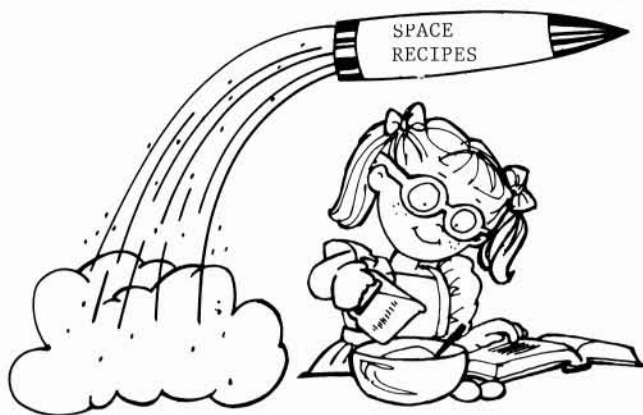
Field Day not only offers us a chance to test our skills while we operate our equipment under less than "ideal" conditions such as those at the home QTH hams shack, but also affords us an opportunity to enjoy the great outdoors.

This year, as always, everyone is invited to participate. Old and new hams alike are welcome! There will be plenty of opportunities to help set up antennas, configure operating equipment, test your skills at communicating on the various amateur bands, log for your fellow operators, and provide much needed moral support during the long night time operating period. This year we have a lot of new novices in our club. And, because of this, we can have a full-time novice station in operation. Everyone's support is welcomed! So, please plan ahead RIGHT NOW to save the weekend of June 26-27 for our JPL ARC Field Day activities. You will have a great time!

This year's field day can be bigger and better if more of us participate and assume some responsibility in its preparation and activities. The following questionnaire is provided so that you can identify those Field Day activities in which you would like to take part. Your input and suggestions can help make an enjoyable outing for all. The type of operation we undertake this year will depend on what you the membership want and how much you are willing to participate.

Please take time to fill in the attached questionnaire and mail it to: Stan Sander at Mail Stop 183-601. Please return it BEFORE April 15th. You will be contacted regarding those areas of participation in which you are interested. Thank you.

NOTE: It is assumed that you will be personally responsible for your own transportation, camping equipment, and meals (other than those meals supplied by the club) during the field day activities. If you require any of these things, please make it known under the "general comments" section at the END of the attached questionnaire. (Item 17). More specific information about Field Day activities will appear in subsequent W6VIO Calling issues. (Stan N6MP and Brian W6LZP)



FROM THE EDITOR'S DESK

Last month I spent lots of time in my "down-to-earth" doghouse. This month John spent lots of time in his simulated space shuttle. Each day he went to work in the usual way and no one was the wiser. At night when he got home though he'd climb into his space suit with the Dr. Denton flap and escape to his "out of this world" flight simulator. Then with his handi-talkie taped to his ear he'd tune into Mission Control. NASA thought that they were directing two astronauts but little did they know that Astronaut #3 was tuned in too.

I could deal with our new life style. We've had an "S-Band" communications failure for years so it was nothing new. But when he installed payload bay doors and wouldn't give me the access code I knew we had a big problem. The only time the doors opened was when it was meal time. Then it was up to me to defy "zero gravity" and roll in the tray with all the tiny little tubes containing his food. All week I shopped at stores cleaning out their entire supply of Gatorade. And because he was air sick eight times this week I cornered the market on Dramamine.

It's been far from dull. I now have a "Mission Control Kitchen", an "Orbiting Bedroom", a Remote Manipulator System that tries to grab me each time I go down the hall, and a husband who thinks he's entitled to space pay on his JPL check. Thank heavens the space shuttle has landed and it'll soon be over. I have to work fast though and figure out how to force a turkey into a tiny tube. John has called a press conference and invited Jack and Gordo to dinner. (Eileen KA6DGV)

JPL ARC APRIL 14TH. MEETING NOTICE

THIS MONTH THE CLUB IS PROUD TO PRESENT DR. ERNIE SMITH ON "ASPECTS OF PROPAGATION OF INTEREST TO HAMS".

EX.-XUZES China 1936-38, Ernie spent 25 years with the National Bureau of Standards Central Propagation Labs in Boulder, Colorado and its successor. His specialty is sporadic "E" propagation. Ernie was Director of the "Institute for Telecommunications Sciences" in 1967.

There will be some useful handouts so don't miss this program. (Stan - N2YQ)

BOARD MEETING MINUTES

Present were: Bruce Beaudry, Glen Berry, Sid Johnson, John McKinney*, Norm Chalfin, George Morris, John Earnest*, Dick Piety, Jay Holladay*, and John Repar*. * denotes Board Member.

1. A rather detailed treasurer's report was given by John Repar showing income and expenditures to date. John McKinney said that we needed a memo regarding capital equipment so that we can request '82 funds from ERC.

2. A listing of unpaid 1981 members was examined and everyone present encouraged to contact those friends of theirs on the list.

3. Dick Piety reported on the status of the Voyager SSTV tapes. The edited script is to be ready next week and Jim Lumsden is to contact Murray and Hibbs for recording. Technical details and pricing were discussed. An announcement is to go with the Voyager QSL cards.

4. Bruce Beaudry brought QSL cards received to the meeting for sorting into various bands prior to distributing to JPL club members for answering. The JPL cards should be coming in Friday March 26th, so the action will get underway soon.

5. Jim Longthorne WA6KPW was voted in as an off Lab member. The meeting was then adjourned.
(John Earnest - Secretary)



NEWS OF NOTE FROM FELLOW CLUBS

The L.A. Area Council of Amateur Radio Clubs, Inc. announces that the SCM, N2YQ, Stan Brokl, has started a section net to serve as a meeting place for League appointees in the Section. The net will be held on Thursdays at 8 PM on K6QQN/R, 147.105/.705.

The following was printed in the Hughes ARC Bulletin from March 1982. We thank Hughes for the good information. "For those of you who have missed out hearing WESTLINK because you didn't know where to listen, the following list may be helpful." (Those of us from JPL know we have WESTLINK on Tuesday nights thanks to Norm K6PGX but in case you get tied up on a Tuesday night this list may prove invaluable to you)

146.97	K6QEH/R	Fullerton	Wednesday	7:30am
223.5	N6WA	Reseda	Sunday	9PM
146.79	WR6ACD	O.C. ARES net	Tuesday	7:30PM
145.48	AD6P/R	DX club net	Thursday	7:30PM
224.28/445.50	W6NU1/R	Palos Verdes	Tue/Thur	8PM
224.04/145.28	W6VIO/R	JPL-ARC net	Tuesday	8PM
145.24	WD6CTX/R	Heaps Pk	Monday	7PM

From Santa Cruz County ARC, Inc. "Short Skip" 3/82 we find that their Mary Duffield, WA6KFA wrote the front page story for the March 1982 issue of WORLD RADIO. It was on the rain disaster there in Santa Cruz and the part that Amateur Radio and the Red Cross played in aiding victims. Our hat's off!

W6VIO CALLING
FIELD DAY QUESTIONNAIRE
RETURN TO: Stan Sander (183-601)

NAME _____ CLASS _____ CALL _____
MAIL STOP _____ PHONE _____ (LAB) _____ (Home)

1. Are you available for any pre-Field Day work such as site inspection, antenna construction, testing, etc? Answer HONESTLY! If particular time constraints exist, specify. YES _____ NO _____ COMMENTS:
2. Could you come early Friday night to help start setting up? YES _____ NO _____
3. Do you have ideas regarding a site location? YES _____ NO _____
SPECIFY:
4. If yes, are you willing to make contacts and arrange for the Club's use of the site? YES _____ NO _____
5. Which band/s would you like to operate?
160 _____ 80 _____ 40 _____ 20 _____ 15 _____ 15 _____ 10 _____ 6 _____ 2 _____ 220 _____
OSCAR _____ No preference _____ Other:
6. Which mode/s of operation do you prefer? SSB _____ CW _____ FM _____ Other:
7. Would you like to see special operations for novices? YES _____ NO _____
COMMENTS:
8. How much operation and logging time would you be willing to put in?
9. Indicate equipment you have available for Field Day use:
Transmitters _____ Receivers _____ Transceivers _____ Amplifiers _____
Power Meters _____ SWR Bridges _____ Power Sources _____ Antennas _____
Describe:
10. Do you have a camper or tent which could be used as a Ham Shack?
YES _____ NO _____ DESCRIBE:
11. Should the Club concentrate on High or Low power operations? HIGH _____ LOW _____
Generator or Battery Operation? Generator _____ Battery _____
12. Do you feel that the Club operating activities this year should be geared toward winning Field Day? YES _____ NO _____
13. Do you have an XYL, OM, kids, dogs, or other guests who will come along as an overnight camping experience? YES _____ NO _____ DETAILS:
14. Should the Club provide Saturday evening supper and Sunday breakfast for all Field Day participants? YES _____ NO _____
Are you willing to cook? YES _____ NO _____
Do you have cooking equipment? YES _____ NO _____
15. What specific things should the Club do this year to make Field Day more rewarding and enjoyable?
- ON THE SPACES PROVIDED
16. Please place the number/s of line items for which you are willing to take responsibility as far as planning, organizing, and monitoring before and during Field Day! _____, _____, _____, _____, _____, _____, _____.
17. General comments. Please use the reverse side of this form and elaborate on any of the above areas or any other concerns you may have.