

# W6VIO

## AUGUST

# CALLING



AUGUST 1990 Volume 19 No. 8

Jet Propulsion Laboratory  
W6VIO CALLING M/S 264-419  
In: Eileen McKinney  
.800 Oak Grove Drive  
Pasadena, California 91109

### BOARD

PRESIDENT: MARK SCHAEFER WB6CIA  
VICE PRES: BILL MORRIS KB6VGW  
SECRETARY: SID JOHNSON WB6VWH  
TREASURER: JIM KESTERSON KA6IBF  
CLUB TRUSTEE: STAN SANDER N6MP  
EMERGENCY COMM COORD: WALT MUSHAGIAN K6DNS  
DIRECTOR AT LARGE: JOHN TALLON N6OMB

CLOSED REPEATER TRUSTEE: WALT DIEM WA6PEA

EDITOR: EILEEN MCKINNEY KA6DGV

### Club Meetings:

Everyone is welcome - Bring your lunch.  
12 Noon In 238-543  
Second Wednesday of month (Program)  
Fourth Wednesday of month (Business)

Newsletter Article Deadline: The 5th. day of each month. If the 5th. falls on a weekend, the following Monday will be the deadline.

Your articles, ads, photos, diagrams, Letters to the Editor, or technical instructions should be submitted to Editor at address above.

CHANGE CLUBS: PLEASE NOTE ADDRESS ABOVE

Permission is granted to copy enclosed articles providing credit is given to "W6VIO CALLING".

### PRESIDENT'S MESSAGE by Mark M. Schaefer WB6CIA

Hold on to your handle talkies folks. There are a lot of activities happening for Hams this month. The ARRL Southwestern Division Convention is taking place August 24-26 at the Town & Country Convention Center in San Diego. For more information on this event, call 619-278-4284 or to register call 619-448-4728. There will be plenty of Technical Sessions, Banquets, Commercial Exhibitors, and eyeball QSO's. You could always show up for VE Exams, T-Hunt, the Swap Meet or get Wouff Honged.

The Angeles Crest Century bike run will take place on Saturday August 25. They will need radio support at the check points so give them a Hand Held. For more information please contact the president of the JPL Bike Club Steve Matousek at X46689 MS 301-165 or Dave Goldsborough at X42356 MS 190-112.

Tim Connaghan of the American Cancer Society is looking for Volunteers for the weekend of August 24-26 when they will be holding a street fair on Colorado Blvd. The street will be closed to traffic from Arroyo Parkway to St. Johns starting around 2AM Saturday Morning. They will not be using Amateur Radio but they will need all the help they can muster for this event, including Radio Operators. Should be a lot of fun with an Art Festival, Street Dancing, and Carnival Booths.

A Big TNX to all those who helped out the JPL Picnic. It was hard work handing out beer tickets, frisbees, and YOYOs. We could only eat the Hot Dogs we used to cook and participate in all the fun the rest of the time. But it was worth the \$1000 of ERC money for the Club Treasury.

We now have both VHS video and SSTV audio cassettes of the Voyager Project available. The SSTV tapes are \$8.00 and the VHS Video Tapes are \$16. The SSTV tape shows the best of Voyager and is narrated by Lis Switters N6NDC. The VHS tape is a Cal Tech Management Club talk of the entire Voyager Project by our soon to be Director Dr. Ed Stone. To order, contact R. P. McKinney M/S 168-327. Please make check payable to W6VIO- JPL Amateur Radio Club.

Just in case it does not appear elsewhere in this issue, the repeater committee is working diligently at keeping our two Repeaters on the air. W6VIO requires some repair on the Power Amplifier so it may seem a little weaker in the fringe areas. The Palomar Controller for the repeater has been so long overdue from the manufacturer that they have decided to deliver the Controller completely built instead of the kit form as ordered. The new Repeater for WB6IEA has features (sometimes referred to as possible bugs) that not even the factory was aware of. Until we can find a reliable method of operating this system, it will not be put into full service. So far much of the problem is in programming the repeater in a repeatable configuration. More reliable backup power should help determine if there is a solution. We are hoping to have everything in working order before the next SAREX Shuttle Mission. Until then our repeaters will be operating as usual.

WALVIS BAY - This newest addition to the DXCC list is quite active each Sunday morning starting at about 1530Z on 28610 kHz. He's easily workable from the West Coast.

His finishes the August Issue of DX News. Best of luck DX-wise and remember, winter approaches as will the improvement of conditions on the low bands. Anyone interested in putting up a fixed 2 element quad on 75/80 meters on the mesa?

73, Bob, N6ET

Editor's Note:

As noted above, the computer ate part of Bob's DX article last month. The following is a reprint with the missing section included.

JULY DX NEWS

Although we seem to be moving rapidly away from the peak of the sunspot cycle, there are still a variety of exciting dx stations active and able to give contacts to W6's. There are also a number of dx prospects possible in the next few weeks. I hope they occur and that we can all be a part of the action. As usual thanks to "The DX Bulletin" for their information.

ALBANIA - HASWE claims to have permission to operate from this extremely rare spot assuming he can raise the unspecified license fee. It's been many years since the last operation from ZA-land took place. I was one of the lucky ones. Look for an early July operation for 10 to 14 days if we're lucky.

ROSSE ISLAND - C10GI plans operation on 80 through 10 on both cw and ssb from this possible new country near Quebec. They plan to be active from 26 to 31 July.

JAN MAYEN ISLAND - JX7DFA will be active through late July. He frequents 14010 and 21010 kHz, but has been reported on other frequencies also at random times. He is a nice one to catch if you can find him. I've been looking unsuccessfully for several months with no luck yet.

PENGUIN ISLAND - This island off the coast of South Africa is a possible new country. Look for DL8CM/ZS1 on cw on 7009, 14029, 21029, and 28029 kHz. On ssb, watch 7079, 14194, 21294, and 28494 kHz. Operation is planned from 14 to 20 July.

SEYCHELLES - S79SC will operate from here to October. No frequencies given.

SVALBARD - JW/DL3LAB and JW/DK2OY will activate this one from 7 to 21 July. Frequencies to watch are 14175, 21275, 28475 kHz on ssb; 3503, 7003, 14033, 21033, 28033 on cw.

This finishes the July Issue of DX News. Best of luck DX-wise and enjoy!

73, Bob, N6ET

STS-35 SHUTTLE AUDIO  
News and Rumors  
by Jan Tarsala WB6VRN

Operators are needed to assist in the high frequency retransmission of STS-35 audio and mission status reports in support of the SAREX experiment operated by Dr. Ron Parise, WA4SIR, on board the orbiter *Columbia*. Launch is scheduled for no earlier than 28 August 1990, but it must occur before 14 September 1990 so as to not impact the launch of *Discovery* carrying *Ulysses*. Our HF transmissions will be scheduled when operator time is available, probably after work on weekdays and in the afternoon and evening hours on the weekend. The goal of this activity is to provide space shuttle audio to those areas of the Pacific basin where it would otherwise be unavailable: Alaska and Japan and the Far East on one path; Hawaii, New Zealand, and Australia on another. This will complement the retransmissions emanating from WA3NAN at Goddard, W5RRR at Johnson, AK8Y at Lewis, WA4NZD at Marshall, K6MF at Ames, and W1AW at ARRL Headquarters in Newington, Connecticut. The STS-35 mission is scheduled to last eight days, so any and all help will be most graciously appreciated. The announced frequencies as of this time are:

W5RRR	3.850 MHz
	7.227 MHz
	14.280 MHz
	21.350 MHz
	28.400 MHz
	146.640 MHz
WA3NAN	3.860 MHz
	7.185 MHz
	14.295 MHz
	21.395 MHz
	28.650 MHz
	147.450 MHz
K6MF	145.580 MHz
AK8Y	147.195 MHz
W6VIO	14.270 MHz (beaming Japan)
	21.340 MHz (beaming Australia)
	224.040 MHz (basic Shuttle audio)
	224.080 MHz (scheduling and orbital information)

There will also be an answering machine on the 818-393-6312 phone line to the shack with Keplerian elements for STS-35 and information concerning the operating schedule on-orbit of Dr. Parise. The equipment needed at W6VIO has already been configured with the considerable assistance of Jerry Hawkes, W6WXL: what we need now is volunteers to flip the ON switch and then lean back and babysit the rigs. Contact Jan, WB6VRN, for more information or to volunteer. Help make STS-35 and SAREX a brilliant success and a triumphant achievement for amateur radio.

do not write above this line

# Field Day



1. Field Day Call Used W6V10 2. Club or group name JET PROPULSION LAB ARC  
 3. Field Day location MT GLEASON, CA

4. Check if you began set-up prior to 1800 UTC Saturday.  5. Indicate the number of people participating in this operation. 32 6. Number of transmitters in simultaneous operation. 3

7. Entry Class (check one only):

- A. Club or non-club group portable  
 B. Non-club portable 1 op \_\_\_ 2 op \_\_\_ list operators \_\_\_\_\_  
 C. Mobile  
 D. Home station (commercial power)  
 E. Home station (emergency power)

10.

CW			PHONE		
	QSOs	Power Output		QSOs	Power Output
160			160		
80			80	37	100W
40	384	100W	40	26	100W
20	437	100W	20	334	100W
15	262	100W	15	234	100W
10			10	1	100W
6			6		
2			2	89	10W
	PACKET 49	10W	Other	OSCAR 17	100W
Other			Other		

8. Power source

- Generator  Battery  
 Commercial mains  Other SOLAR

9. Call sign of Novice/Technician station (class 2A and above) N6PBS

11. Total cw QSOs 1132 x 2 = 2264

Total phone QSOs 873 x 1 = 873

Total QSO points 3137

<u>1132</u>	CW QSOs	<u>738</u>	PHONE QSOs
<u>0</u>	Novice CW QSOs	<u>135</u>	Novice PHONE QSOs
<u>1132</u>	Total CW QSOs	<u>873</u>	Total PHONE QSOs

12. Total QSO points 3137 x Power Multiplier (5 W or less, x5; 150 W or less, x2; over 150 W, x1) \_\_\_\_\_  
 equals Claimed Score (less bonus points) 6274

13. Bonus points

Attach proof required for all bonus points claimed. All bonus points will be added at ARRL Hq.

- 100% Emergency power  
 Publicity  
 Message to SCM  
 W1AW Field Day message

- Messages Handled (no.) \_\_\_\_\_  
 Satellite  
 Natural Power  
 Packet Radio  
 Other 10 NOVICE QSO's

14. This certifies that the station whose call appears above was operated in accordance with the current Field Day rules and that, to the best of my knowledge, the points and score set forth in the above summary are correct and true. This station was operated in accordance with F.C.C. rules and regulations. I agree to be bound by any decision of the ARRL Awards Committee.

Date 7-23-90 Signed Mark Helbraun W6G6CIA signature/call of club president

15. Full mailing address (please print): Name JET PROPULSION LABORATORY ARC  
 Address 4800 OAK GROVE DR 168-324  
PASADENA CA 91109