

SOUTH SHBLLANDS Albert Hernandez, LU1ZC, presently aboard the Antaretic Research Vessel 'IIRO' has passed along the information that the research group will be at Deception Island for three days starting December 28 th. "IU1 1 ZC says that as soon as some necessary chores are completed, LU1ZC will be on the air and probably in the 14195 kc area.
The rig is a transceiver and initially there may be some transceive operation and then a split frequency effort with the transmitter at 141.95 kc and listening from $14210 k c$ up.
It is reported that the group was at Deception. Island on December 14 th...this was the original planning....but the stay there was only 16 hours and it was thought that the brief operating time would not justify the setting up of the station. It is also possible that the research group will again return to the south shetlands in January. There is planning to leave a transmitter there for the Argentine group stationed on the island to keep south shetland activity going.
on the possibility of a south sandwich operations, the plans are indefinite at this time. A new group of scientists are coming aboard in the next month and a decision will be made then where to continue the research. There has been considerabla work in the south shetland area and the vessel may move to new areas with the south orkneys a good possibility and south sandwich an outside possibility. The decision on this is yet to come.
LU1ZC, Albert Hernandez, is from the Miami area and has the call WA $4 C D M$. QSLs for this effort will again be handled by Robert Hinés, K4MZU, who has previously handled IJU1ZC QSLs when he was on the south shetlands in January 1972.
AVES The XV $\varnothing$-AVES effort by the Radio Club venezolano is still on for next month. and the all-band operation should open qruesday, January ath for three or four days of effort.
The frequencies as officially released by YV5ANF are:

$$
\begin{array}{lllllll}
\text { SSB: } & 1805 \mathrm{kc} & 3795 \mathrm{kc} & 7080 \mathrm{kc} & 1419 \mathrm{Ckc} & 21290 \mathrm{kc} & 28590 \mathrm{kc} \\
\mathrm{CW}: & 1805 & 3525 & 7025 & 14025 & 21025 & 28025
\end{array}
$$

All QSLs go to the Venezuelan Radio club, Box 2285, Caracas, venezula. winth twelve operators it is possible that you may hear the YV $\varnothing_{A A}$ being signed at more than one spot on the bands.

CHINA The DM2ARG continued to show up to mid-December, some sources saying that DM 2 ARG is a well-known DKer in East Germany. QSL information has varied, some times it was reported as via the DM Bureau....sometimes to DM2DAR and here is the address for DM2ARG....

> Mo pudolph
> Brunner Str 32
> DDR 30 Magdeburg
> German Democratic Republic

Work them first and worry laters If you are anxious, try all three QSE possibilities.

Observations made last week showed four sin spots visible, one of medium size and approx imately 15000 miles in diameter with three smaller ones about 6000 miles in diameter. These had been visible for a week at the tille of the observation with some changes in the group of the smaller spots. is fourth spot has appeared and disappeared. conditions have keen fair with some good openings.

SHORTLY NOTED with the phone band expansions/sone problems axd conflicts showing up below 3300 kc . Some working for the 2 letter WhS certificate which must be worked in the extra band running into the $D X$ acivity there. If you cannot make the local club mectings, you may find all the quai eling you nay need below 3800 kc . . Helps keep you prepared...
Many still saying laudatory things about the VR3AC operations......apparently every one almost got the contacts they wanted. one of the main reasons that they got the okay to operate was to provide some med cal examinations and treatment to the residents on the islands. Reports are that several cases of tuberculosis, yaws and some serious medicol problems were uncovered. WGGQU, Gene, who headed the effort, is back at his practice on wilshire Blvd in Los $\Lambda^{n g} \operatorname{leles}$.
Fred Laun, LUSHFI, is being heard from his new QTH at Unquillo, outside of cordoba in hrgentine. Fred has put up 78' and $98^{\prime}$ towers and is waiting for rotors to arrive so he can put Unquillo on the map. He operated in the last CQ test as IUSHAK. His equipment is being shipped from the U.S. and he should be good for 6 thru 160 mtrs . ZIJIE? W.C. Baird, passed away in mid-november after a long illness and an eight week. stay in the hospital. PA $\varnothing$ WWP, a former editor of the VERON DX-press passed away after a heart attack on November 25th.
QSL for the WG3SFC can be sent to BOX 86, Greenbelt, Maryland 20770 while WM5MSC can be sent to 1 mateur Radio Club, NASA, Houston, Texas 77058. 21325kc often has W8CNL with list operations for TY5 $A B K$ and hopes to have TL 8 LI in the future.....Watch from 1730 z onwards. VK9 AJ at $21305 \mathrm{kc} / 2100 \mathrm{z}$ often is sifting for Delaware, vermont, Rhode Island and Montana. He aiready has the tough ones like Idaho, Wyominc and California. QSLs for ${ }^{\text {EIJIM }}$ go to Giorgio Torelli Busi. 1 pt 13-252, Mexico city: 13 DF, Mexico.... Furopeans have been coming through to the west coast on 80 mtrs and W6TSQ managed to catch Fip2WB just below 3800 kc on a long-path dawn opening. WA $1 \mathrm{RDH} / \mathrm{VQ} 9$ goes to Bob, NCTI \#4, FPO Neve York 05930. These VQ9s on Chagos are gettins thick and are at the $\mathrm{J} \cdot \mathrm{S}$. Naval communications facility there. Minerva news still continues to pop up....looks like they have hired a public relations man. The Republic of Minerva will be restored to its rightful place among the sovereign nations.....and the DXCC List. That's a hope and a good possibility for the future.
THITI still bothered by generator problemso.mainly the lack of replacement parts. He has a 12 V power supply for the $\mathrm{FT}-10$ but his volkswagen hás a 6 v power supply and even the VW offers no possibility for conging. n2cCy has a big signal with a new quad. Both the active, 151s have shown ? on the SEANET.0..14320ke/f200Z recently.


AFRICA...CW
$\overline{\mathrm{CR}} 6 \mathrm{AL} \quad 14025 / 1900 / \mathrm{Dec} 14 \mathrm{w}$ ZE2KV
CR6AI 14019/2010/Dec 10kI
CT3AS 14015/1700/Dec 18w
BIZDG $21013 / 2135 / \mathrm{Dec} 17 \mathrm{w}$
FI_8DS 14023/1845/Dec 10w
TJ1BG 14035/2015/Dec 14w
ASIA…CW
DMZARB/BY $14028 / 0124 /$ Dec 18w JT1AP 14044/0100/Dec 19w
JTQ AE 14030/0100/Often
HM1 AQ 14026/2335/ Dec 19w
EUTOPE: $\cdot$ CW

| EA1 HF | $14098 / 1220 / \mathrm{Dec} 15 \mathrm{e}$ |
| :--- | :--- |
| EA1BC | $14022 / 0935 / \mathrm{Dec} ~$ |
| 8 kI |  |
| GC2LU | $14037 / 1630 / \mathrm{Dec} 19 \mathrm{w}$ |
| GM3AIM | $14031 / 1545 / \mathrm{Dec}$ |
| GW3 |  |
| GUUD | $14018 / 1850 / \mathrm{Dec}$ |

ELSEWHERES ..CW

| CE2TC | $14006 / 1225 / \mathrm{Dec} 13 \mathrm{e}$ |
| :--- | :--- |
| CM2AM | $14013 / 1900 / \mathrm{Dec} 14 \mathrm{w}$ |
| CM6HT | $14015 / 1230 / \mathrm{Dec} 15 \mathrm{e}$ |
| DU6RH | $14024 / 2320 / \mathrm{Dec} 16 \mathrm{e}$ |
| FG7XC | $14027 / 1225 / \mathrm{Dec} 17 \mathrm{e}$ |
| KI7MF | $14020 / 1225 / \mathrm{Dec} 12 \mathrm{e}$ |
| PJ2NR | $14026 / 1310 / \mathrm{Dec} 15 \mathrm{e}$ |
| PZ1AZ | $14021 / 1225 / \mathrm{Dec} 15 \mathrm{e}$ |

AFRICA…SSB

| CY | dec |
| :---: | :---: |
| CNOCG | 21310/1620/Dec 140 |
| CR33AB | 14220/1945/Dec 16m |
| CR ${ }^{4}$ BS | 21313/1740/Dec 16m |
| CR4BS | 14208/2230/Dea 14 e |
| CR' ${ }^{\text {c }}$ A | 21296/1815/Dec 16e |
| CR 7 Iz | 21276/1435/Dec 17m |
| CR7GH | 21307/1845/Dec 13e |
| TAO ${ }^{\text {Gri }}$ | 21320/1800/Dec 13m |
| EA ${ }^{\text {O }}$ ID | 14212/2245/Dec 14w |
| EA9 ${ }^{\text {deJ }}$ | 21340/1715/Dec 19w |
| ELZDT | 21415/1500/Dec 17e |
| EJ 2DG | 21340/1700/Dec 15e |
| EI3JH | 14235/1345/Dec 16kc |
| ET3USF | 14210/1335/Dec 15hs |
| ETSUSA | 14207/2225/Dec 12w |
| ET3JPB | 14207/1600/Dec 16m |
| F'BOZZ | 14215/1450/Dec 16kc |
|  | ec |


| ZE2KV ZEOJW ZS5KI $3 B^{8} 8 \mathrm{DI}$ $3 \mathrm{D}_{6} \mathrm{AF}$ 3 D6AX $^{2}$ <br> UA ${ }_{C A X}$ <br> UA $\varnothing_{\mathrm{LAL}}$ <br> UA ${ }^{\text {CAJ }}$ <br> UA⿻心㇒J <br> UA $\varnothing$ FAZ |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |

14026/1640/Dec 18w 14030/1900/Dec 14w 14030/1740/Dec 18w 14022/1700/Dec 19w 14030/1940/Dec 16e 14023/1900/Dec 10w

> 14039/0040/Dec 12ve $14028 / 0020 / \mathrm{Dec} 15 \mathrm{w}$ $14046 / 0320 / \mathrm{Dec} 8 \mathrm{kI}$ $14046 / 0235 / \mathrm{Dec}$ 12 kI $14020 / 0240 / \mathrm{Dec}$ 12 kI

5R8 AF 1402.7/2330/Dec 19w $5 R^{8}$ AG $14028 / 1650 /$ Dec 20 w 5T5FP 14023/1920/Dec 10w 5Z4LW 14026/2030/Dec 14w
$\mathrm{UA} \varnothing_{\mathrm{LH}} \quad 14046 / 0315 / \mathrm{Dec} 8 \mathrm{kI}$ UJ8AQ 14077/1300/Dec 13w UK9CAD
vs6AW

14021/1250/Dec 13w 140288/0100/Dec 13w

JW4EE 14022/1850/Dec 11W $\begin{array}{ll}\text { HAOKLE } & 14020 / 1600 / \mathrm{Dec} 18 \mathrm{w} \\ \text { OA4KR } & 14022 / 0950 / \mathrm{Dec} \\ \text { RTI } \\ \text { THAW } & 14050 / n 000 / \mathrm{Dec} 12 \mathrm{ve} \\ \text { WA9/TF } & 14030 / 1745 / \mathrm{Dec} 16 \mathrm{e}\end{array}$

TI2WX 14039/0030/Dec 13w KG6JBS 14040/2145/Dec 15e Kg6jar 14060/2245/Dec 12e KG6JBS 21035/2205/Dec 15e VP2SJ 14022/2000/Dec 17e VP2VAM $14003 / 1255 / \mathrm{Dec} 13 \mathrm{e}$ VP5GR 14032/0155/Dec 16w VP5GR 21031/1630/Dee 16w

UA10AD 14020/2140/Dec. 9kI UK1AAG $14029 / 1225 / \mathrm{Dec} 15 e$ UK2GAN 14040/0920/Dec 8kl UPOI-21 14027/0045/Dec 13w UR2ED 1.4030/0900/Dec 8kI

VK2mo $14034 / 1955 /$ Dec $12 e$ ZM3QK 14005/1230/Dec 15e ZMint $14030 / 1225 / \mathrm{Dec} 14 \mathrm{e}$ ZP3CA $14016 / 0030 / \mathrm{Dec} 13 \mathrm{w}$ CX1CE $14058 / 2210 /$ Dec $16 e$

|  | 14255/1425/Dec 12m4 | 2E) | , |
| :---: | :---: | :---: | :---: |
| 2 DA | 14209/2020/Dec 20w | $3 B^{8} \mathrm{CZ}$ | 21262/1840/Dec 13 e |
| TU2DR | 14202/2250/Dec 17w | 3 D 6 AB | 14276/2135/Dec 13e |
| TN8BK | 21325/1805/Dec 16w | 5 T 5 CJ | /1650/Dec 17m |
| TYıRF | 14213/2235/Dec 14e | 5 N 2 ESH | 21310/1750/Dec 15e |
| TY5ABK | 21326/1720/Dec 9w | 5 V 7 Y H | 14202/2330\% Dec 18m |
| TY6ATE | 14300/2125/Dec 17e | 6W8AL | 21354/1915/Dec 11e |
| VQ9DC | 14234/1430/Dec 16ke6 | $7 \times 0.6 \mathrm{w}$ | 21355/1615/Dec 17e |
| VQ9 ${ }^{\text {PCS }}$ | 14261/1430/Dec 17m\# | $7 X^{2} \mathrm{MD}$ | Dec 17 kc |
| VQ9 GW | 14265/1650/Dec 15w | 7 XZMD | 21276/1435/Dec 17m |
| WA1/VQ | 21278/1630/Dec 16w | ?Q7JO | +215/1500/Often |
| VQ9R | 21331/1850/Dec 13e | 9G1FF | 17.1715/Dec 13w |
| XT2AA | 14265/2200/Dec 15e | 9G1 HE | 21282/1640/Dec 12w |
| XT2AA | 21325/1230/Dec 18 mm | $9 \mathrm{GT} \mathrm{HE}^{\text {e }}$ | 4/2220/Dec 16e |
| $2 D^{8} \mathrm{RR}$ | 21286/2140/Dec 12w | 9J2MA | 4/2000/Dec 16e |
| ZD3D | 21409/0220/Dec 16e | 9L1VW | 4332/2120/Dec 16m |
|  | 14120/2105/Dec 11e | $9 \times 5 \mathrm{VA}$ | 21325/1840/Dec 13 e |
| D9BM | 28560/1830/Dec 9e |  |  |
| ZS3HT | 21245/1600/Dec 16h |  |  |

( $e=$ eastern states $m=$ middle states $w=$ western reaches hs = thailand ) ( $k I=$ alaska $k 06=$ western carolines $v e=$ canada $\#$ = long path ) (all times in GMT ??? = Son: of a Gun, Slim lives in infamy on Cray Island ) +

ASIA $\ldots$ ．．．SSB

| A 4 FD | $14225 / 1155 / \mathrm{Dec}$ |
| :---: | :---: |
| A51PN | $14320 / 1230 / \mathrm{Dec}$ |
| A 51 TY | 14216／1245／Dec 16hs |
| AC4NC | 14173／1500／Dec |
| EP2BQ | 14223／1425／Dec 18m\＃ |
| FP2TC | 14205／1415／Dec 13m．\＃ |
| EP2YL | 14248／1525／Dec 12w） |
| HS1AGQ | 14226／600／Dec 15w |
| HS4AGN | 14249／410／Dec 16m\＃ |
| HS ${ }^{4} \mathrm{AGZ}$ | 14211／1325／Dec 17e |
| EUROPE゙ら．．SSB |  |
| A AX | 14204／1210／Dec 14 e |
| G．3IVJ | 21310／1645／Dec 12w |
| GulNZ | 21289／1620／Dec 14w |
| HB9yo | 14205／1530／Dec 16w |

HISEUTERES．．．SSB

| CB3 UM |  |
| :---: | :---: |
| CX4AR | 28616／2000／Dec 13 |
| CX ${ }^{3} \mathrm{BE}$ | 14201／0025／Dec 17w |
| FMTMN | 14235／2110／Dec 16m |
| FYTAE | 14194／1140／bec |
| III3XSJ | 21309／1715／Dec 17 |
| KB6CU | 21407／0145／Dec 10w |
| KB6Cu | 14299／0430／Dec 16 |
| KC4AAD | 14280／0500／Dec |
| KJ6B3 | 21390／2225／Dec |

FORTY／EIGHIY／ONE－SIXTY DESK

| CO2BM | Dec |
| :---: | :---: |
| CM3 HG | 7159／0545／Dec 17w |
| CP1EU | 7195／1040／Dec 17w |
| CX1RBL | 7010／0600／Dec 15w |
| CR60R | 7083／0515／Dec 17w |
| DI ${ }^{\text {PPC }}$ | 7083／こ730／Dec 21w |
| U6BET | 7076／1210／Dec 12hs |
| ELIDK | 7060／0635／Dec |
| HC2m | 7005／0015／Dec |
| HB9ADQ | 7085／015／Dec |
| HI7JM | 7014／1845／De |
| YU3YD | $7002 / 0445 / \text { Dec } 14 \mathrm{w}$ |
| ZI4AL | 7086／0810／Dec 13w |
| 2 AA | 3794／0420／Dec 17w |
| CH2JA | 3780／0510／Dec 10w |
| DU1 EJ | 3798／1520／Dec 14w |
| EP2WB | 3798／1340／Dec 14w |
| EPPBQ | 3799／1500／Dec 18w |
| FG7TG | 3508／0500／Dec 10e |
| GI6vo | 3791／0110／Dec 12e |
| GVISSYL | 3528／0650／Dec 9m |
| HSTAGN | 3790／1440／Dec |
| G3ZYY | 3798／0415／Dec |
| KB 5 CV | 3804／0920／Dec 17w |

OE5KE 1827／0630／Dec 10e

सम 9TE $J T \varnothing_{A E}$ JY9Y！ MP4TEE MP4BIN OD5FB OD5ET UI8MN
UK9 AAN $7 Z 3 \mathrm{AB}$

> IZ9SEZ JX7FG LA1K M1B
$14265 / 0740 / \mathrm{Dec} 17 \mathrm{w}$ $14232 / 0110 / \mathrm{Dec} 16 \mathrm{hs}$ 14206／1300／Dec 16kc6 14259／1325／Dec 16m\＃ 14211／1410／Dec 12e $14212 / 1320 / \mathrm{Dec} 16 \mathrm{~m} \#$ 14212／1435／Dec 16m\＃ $14219 / 1510 /$ Dec 13w 14205／0025／Dec 18e $14248 / 1400 /$ ReguIar
$14223 / 1535 / \mathrm{Dec} 15 \mathrm{w}$ 14206／1830／Dec 13 e $14231 / 1235 /$ Dec $14 e$ 21563／1600／Dec 17e

KJ6／KW6 21400／0000／Dec 13W Ǩv6B 14506／0350／Dec 13w PJ2MI 14207／2240／Dec 14e PJ2MI 21301／2050／Dec 18w PY3BNJ 28600／2035／Dec 15w TG9DX 14202／0010／Dec 17w VP2IAW 28600／2110／Dec 13w VPWMW 14220／2240／Dec 14 e VP2KH 1 1 －97／2145／Dec 16m VP2AA $12=27 / 0150 / \mathrm{Dec} 12 \mathrm{e}$

VU2UK 14212／1230／Dec 12e VJ25GE 14222／1225／Dec 19e VU25ED 14217／1320／Dec 17e XV5AC 14205／2300／often 4W1BC 14250／1410／Dec 13m／4 $4 x^{4} \mathrm{CW} \quad 14249 / 1415 /$ Dec 16 m th 4STDA $14245 / 1250 / \mathrm{Dec} 14 e$ $9 \mathrm{~K} 2 \mathrm{BO} \quad 14201 / 1440 / \mathrm{Dec} 12 \mathrm{hs}$ 9K2AU $\quad 14244 / 1520 /$ Dec 14 w $/ 4$ $9 \mathrm{~K}^{2} \mathrm{CA} 142252 / 1420 / \mathrm{Dec} 16 \mathrm{~m} \%$

SVWWM．21315／1410／Dec 13e UK2PAD 14203／1330／Dec 13e UK2GDZ $14226 / 1230 / \mathrm{Dec} 14 \mathrm{e}$ 9 $\mathrm{H}^{4} \mathrm{G}$ 14207／1530／Dec 16w

VP2GBL
VP2AA
$\mathrm{VP} \mathrm{Z}^{\mathrm{GBBI}}$
VP5ID
VK6RU
VR1PA
ZK2BD
4 K 1 C
8 R1N
8R1J

21296／1900／Dec 140 21325／1735／Dec 12w 21272／1945／Dec．11w 14236／2330／Dec 74 e 14213／2235／Dec 14e 21330／2315／Dec．10w $14220 / 0640 /$ Dec 12w 14200／2340／Dec 19w 21291／1615／Dec 18w 21409／7220／Dec 16e

W4／HI $8 \quad 7218 / 1200 /$ Dec 14 e ET．2DO 7026／0440／Dec 17w I3DUN 70ci／0720／Dec 21w JA $\phi$ SU $\quad 7009 / 1230 /$ Dec 13 e KB6CV 7095／0950／Dec 17w Kx6BB 7004／0810／Dec 10w KZ5MS $7009 / 1235 / \mathrm{Dec} 13$ e KH6AP 7011／0500／Dec 11e LA 8 IG $7085 / 0805 / \mathrm{Dec} 21 \mathrm{w}$ LU3WBB 7006／0435／Dec 14w． LJU8AJG 7084／0810／Dec 13w 5Z4KL $\quad 7083 / 0420 /$ Dec 19w 6W8DY $8087 / 0835 / \mathrm{Dec}$ 21w 8R1W 7050／0055／Dec 12e KLTFA $3505 / 0115 / \mathrm{Dec} 11 e^{-}$ KGJBO 3755／1445／Dec 16w IX1BW 378；／0720／Dec 10e IX1HD 3799／0050／Dec 16e OH1QP 3526／0720／Dec 9m OA 8 V $3808 / 1020 /$ Dec 17w 0Z5KF 3790／1500／Dec 15w OX3EA 3778／0415／Dec 11e SP4SPY 3786／0120／Dec 12e SM5SB $3798 / 1415 /$ Dec 14w VU25BX 3791／0100／Dec 12e

VP5RF $18 \mathrm{C} / 3 / 0100 / \mathrm{Dec} 15 \mathrm{e}$

OA1AD 7184／0400／Dec 12m SM7BIC？7085／0705／Dec 20w JJ9MAX 7004／1230／Dec $18 e$ UL7PAT 7009／1250／Dec 16e UR2TAX 7008／1450／Dec 12w UVØEN 7011／1240／Dec 16e VP1BH 7082／0450／Dec 10w VP5GR 7030／0300／Dec 16e VP5RF 7007／1240／Dec 17e VR1PA 7095／0950／Dec 17w VU2HQ．7076／1200／Dec 12hs
9L1GC 7002／0220／Dec 8w 9m2RB 7007／1215／Dec 16e 9M2CP 7076／1210／Dec 12hs VP2MJ 3815／0230／Dec 12e VP5GR 3530／0320／Dec 16e VR1PA 3884／0920／Dec 17w VS6GM 3790／1510／Dec 15w $5 \mathrm{Z} 4 \mathrm{KJ} \quad 3795 / 2240 / \mathrm{Dec} 14 e$ 8R1W 3899／0045／Dec 12e 9m2DW 3795／1510／Dec 18w ZT3KK／C 3799／0800／Dec 17w

| $\mathrm{OA}{ }^{8} \mathrm{~V}$ | $1828 / 0910 / \mathrm{Dec}$ | 9 m |
| :--- | :--- | :--- |
| $\mathrm{KH} \mathrm{CHC}^{2}$ | $1997 / 0710 / \mathrm{Dec}$ | 9 m |
| $\mathrm{KH6RS}$ | $1995 / 0730 / \mathrm{Dec}$ | 9 m |

CALENDAR
SOUTH SHETLANDS
AVES
CQ 160 mtr Test

LUMZC for three asys from December 28th. Celebrate the New year with Alberto
Radio club venezclano IV AA $_{A}$ effort for three or four days starting January 9th....all-bands ill the time. January $27-18$ th

INDIA VU25CK and VU25BX have been looking for $\mathrm{W} / \mathrm{Ks}$ on 80 mtrs and will maintain a more or less regular schedule in the coming weeks. The stations will be transmitting at or about 3690 kc and listening from 3780 kc up, sending on cow and from 0030 z to 0130 z most days. If a contact is made on $C . W$. they will switch to SSB to see if that works.
VU25BX was reported on the east coast in mid-December, under a big pile-up and possibly some stations not listening on his transmitting frequency.
GRAND TUBKS VP5ID and VP5GR showing up regularly from grand Turks. VP5ID is Larry Desoto, a. civilian engineer with the U.S. Navy and he will be there until 1974. Larry is running a Drake $T 4 \times / R 4 B$ with an inverted $V$ antenna, being on twenty only at this time. VP5GR plus VP5RF are showing up on $40 / 80$ and VP5RF aiso trying out 160 mtrs .
QSLs for VP5ID can be sent-to Larry at .....U.S. Navy Facility, FPO New York 09558. Larry is looking for contacts into the Fairbanks area where his brother lives. He is often at or about $14235 \mathrm{kc} / 2330 \mathrm{Z}$. VP 5 GR QSLs to W $6 M A R$.
vpaMy/am This is Frank, flying a twin Bonanza and on most days while flying from $\Lambda^{\text {ntigua to }}$ Bermuda. Aboard the plane he is putting out 100 watts.to.a 12 foot wire. Look for him regularly at 14210 kc from 1100 Z .
NIGERIA. 5 N2ESH, Eric, is in:Lagos and will be there for some months. He is using a Collins set-up with a vertical antenna. often appearing around the $21310 \mathrm{kc} / 1730 \mathrm{Z}$ area. Iric was previously in Nigeria and held this call before. He also holds 9G1ED and his home call is G3BQH. QSL to Eic sherleck, Caso, P.O. Box 3034, Lagos Nigeria。
JORDIN JY9VO will have a new QSL Manager ith the turn of the year and from January lst añ QSOs made will go to W7JHO at 6725 jast sheridan street, scottsdale, hriz. 85257 . iny QSOs up through December 31 st go to Box 5089 , inman, Jordan. JY9vo is a wh from the santa Barbara area and is in Jordan on a telecommications project. WB6BGQ holds a daily schedule at $14280 \mathrm{kc} / 1530$ z and will help courteous breakers. JY9vo is looking for Idaho, Montana and Wyoming to complete a WAS from Jordan.
MiNIHIKI WGICNH has some more fill-ins on the ZK1Mî logs and has matched up 34 more contacts. Clyde still working to fill in the gaps.


MORE NOTES The Spratly hopes still live.....K4DiO/mrn was recently discussing the possibility with a HS-station. vince presently in singapore and talking of going to Spratly with his trusty FI-101 and a Tn-33jr beam......for one week of testing whether a CQ from that spot would get any attention. He was mentioning late December of early January
$\Lambda^{4} 4 \mathrm{FD}$ QSLS to G3XEC. Mac there in $\Lambda^{4-1}$ land is an eX-MP4M. With ihe TI9C and TI9J QSLs showing, it might be timely to point out that TIZCAP is presently at the University of Illinois finishing up some studies and TIIJ in the interim.....the interim between the DXpedition and the QSIS....tock almost a half-years trip around the world. Some TI9=cocos may develop in the future with $H Z 4 A B$ retiring in the future and settling in Costa Rica.
IIP1JC notes that VR1TC would have to have good legs....the broadcast shack is 450 feet high on a hill and rom uses a Honda to roar up the mountain freeway. with the chief of staff in the Hondouras hrmed forces talring over the drivers seat, HR1OL may now have more time to be on the air with his new beam and 'S' line equipment......he was the one holding down tome of tho action previously.
The Hokkaido $D X$ club shows the way with their gourmet dining at theie mectings. J^8 KB forwards the photos of the club members at their recent meetings. The $A R R L$ Technical Department has asked vhf fm equipment manufacturers to note some deficiencies in the present equipment and to take cooperative action to remedy the faults.
TNX to W1AM, W1YRC, K2BT, K2IGJ, WACMBP, WZOVC, W4BRB, W4 GTS, W4HU, W4KA, $\mathrm{K}^{4} M Z U, W 4 \mathrm{MUC}$, W4UF, W4EH, W5ALA, WA5EMH, W5UBW, K5IIW, WA5UCT, W5UNE/6, WA5ZNI, K6AQV, WB6BGQ, K6CF, K6EC, WA6FYC, W6GRV, W6HRE, K6KA, W6KNH, W6OL, WB6RIU, $\mathrm{K}^{6}$ SX , W6TCQ, W6TSQ, W6TTS, K6TXR, K6UFT, WB6UDC, WBEZUC, W7NCO, W7PFZ, W7TE, W7YTN, K8RWL, WQZOK, W9DDL, W9ZTD, WDEXD/4, KC6SK, KL? ENP, HS ${ }^{4}$ AGZ, VE?AAM, HP1JC.

WEST COAST DX BULLEIIN Published every week by the Marin county DK Group. one of the more $\overline{S O C i a b l e} \overline{Q R P e r s}$ came by last week, muttering to himself. When he finally came to the party, he exclaimed, "you know, I worked this DX station the other night on forty and at the end I asked him.....'What's your name there for the log?"...and he comes back and tells me....' ${ }^{\prime}$ ld Man, here $I$ just call it the "log"....have done that for years'." Son of a Gun, what could we say to this one. We have wondered about this. for years. $\$ 9.00$ for a full years of confusing answers to clear questions $\ldots . . \$ 10.50$ brings the confusion by airmail. sometimes we tend to believe that only airmail will get it there before you forgot what the confusion is all about.

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