

MELIISH REEF As of last Saturday things were solid for the VK9JW-Mellish Reef to open July 14 th, this coming Friday. If matters go well, some action may come a day earlier。
This should count for a new country for DXCC. The action should run for a week or more with as ntuch around-the-clock operation as possible. QSLis will be handled only by John Martin, VK3JW, who is heading the DXpedition and some support will be appreciated. The full address for QSLing is John Martin, P.O. Box 239, Bairnsdale 30̊75, Victoria, Australia.

VIET NAM XV5AC continues active on both $C . W$, and $S S B$, being reported frequently during the last week. At the present time there are three separate stations signing XV5AC, one being at the U.S. Embassy in Saigon and two others located in large apartment houses tenonted by U.S. personnel. Thus it may be possible that you will hear two or possibly more stations operating in different parts of the band and all signing the same call. Work them all because they probably are all good. The stations there in Saigon are linked on VHF and control and coordination is usually maintained by the station trustee WLEVG。 One operator often heard is Chester which apparently is John Lunsford himself.
Fred Laun, HS5ABD; is scheduled to leave Saigon this coming week-end and he is often there signing XV5AC on c.w.....sometimes 14042 and sometimes $14092 \mathrm{kc} \ldots$ and sometimes in between. All QSLis go to W1YRC

SPRATLY Developments on a possible September operation are progressing and INDXA will be in on this one. Definite details should be surfacing before long but this one has been in the planning stages for some time and is starting to firm up.

MINERVA Jim Henderson, WB6CZB/5W1AL/A35JH as in Tonga last week, hoping for some way to get to Minerva Reef. However, there was also the question as to the ownership of the reef with Tonga apparently ready to push its claim. The questions was to be put to the ARRL DXCC Desk should Jim comer both the necessary license, authorization and transportation. If the feeling is that Minerva belongs to Tonga and comes under that jurisdiction, it would not have sufficient distance to qualify for coantry status. Should you have not heard any $\varepsilon$ 'eat commotion during this week, it would be an indicator that the matter of Minerva may not have worked out.

MARION ISLAND The present operator on the island is making a determined attempt to handle all the need for ZS2MI. Last week he passed along the information that he will be on the air most days at 0600 Z and again at 1400 Z some variations from this frequency but look in the area. The station is being frequently reported.

CAMBODIA Last week Chester at XV5AC advised that an operator was headed for XUIAA in Phnom Penh last week-end and may be operating the station until the early part of the present week.

The Erudite DXer Last week we ran a few words by K6SE/2 on using available information to trap a needed country.. K6SE/2 mentioned constructinga histogram to show graphically how to look for DX and the needed ones. The fallowing is based on Fast Coast data and is based on Red Eyed fouie and other sources. It gives an indication of what one should or can expect on band openings.


40 Meters


Data from Reports in May. $78 \%$ of the 20 mtr listings are from $14200-14230 \mathrm{kc}$. . another $10 \%$ from 14250 kc to 14280 kc . On $15 \mathrm{mtrs} 46 \%$ are from 21275 kc to 21295 kc ; $10 \%$ from 21300 ke to 21315 kc and $11 \%$ from 21350 kc to 21365 kc . Lack of activity in 21250 kc to 21275 kc 1 s somewhat startling. Taking the two bands together but weighted heavily towards 20mtrs, things open with a bang around 0600 local time, peak about 07301 ocal time, dropping to $\phi$ about noon. Early evening the band usually builds up on twenty meters again.

| A35JH | $21323 / 0340 / \mathrm{Jul} \mathrm{6w}$ | KG6ARH | 14218/1040/Je 29e | VK9CC | 14264/1105/Je 27w |
| :---: | :---: | :---: | :---: | :---: | :---: |
| C21IL | 14204/1015/Jul 3e | KG6JBO | 14210/1055/Je 29e | VP2VJ | 14195/1020/Jul 3e |
| C29ED | 14208/1015/JuI 4W | KG6SL | 14220/1220/Je 25 m | VP2KF | 14198/1120/Je 28e |
| C21AA | 14190/1100/Je 28hl | KS4BH | 14235/0340/Jul 4 m | VP2MW | 14287/0050/Je 39e |
| CRJAK | 14,222/1425/Je 29w | KS6EM | 14327/1105/Je 30e | VRLBS | 14193/1055/Je 29e |
| CX23BH | 28583/1900/Je 29e | KS6DY | 14210/1130/Jul 1e | 7R6TC | 21351/2230/Jul 4 W |
| DU1B0B | 14220/1500/Jul 4 W | KX6JQ | 14213/1115/Jul 3e | VRLAA | 14262/0715/Je 27m |
| DU1EIR | 21266/1615/Jul 3w | PJSAA | 14209/1120/Je 28 e | WJ4ULY | 21323/1805/Jul 4w |
| DU1RX | 14204/1430/Je 28w | PJJAA | 21350/2205/Je 27e | YB3AAY | 14193/1040/Je 29e |
| DU1AVN | 14217/1050/Jul 3e | PİCMS | 14202/1040/Je 23 e | YB¢ABB | 14228/1305/Jul 1m |
| DU1PT | 14210/1220\% JuT 1e | PZ1CU | 21302/1940/Je 25w | YBCAAV | 14207/1430/Jul 5w |
| FY7AE | 21350/185 | TGYDX | 21351/1520/Jul 10 | YBXAAG | द1266/1610/Jul 3w |
| FG7XI | 21290/1525/Jul 2 l | VK6MK | 1420/0750/Jul 2 W | Y $\ddagger$ cisi | 14226/1025/Je 30e |
| FOSDH | 14243/0710/Jul 1w | VKYDK | 14201/1545/Je 30w | 2F1WE | <1377/2245/Jul 1e |
| FOEDO | 1424370710/Jul 1 w | VK9KA | 14225/1100/Je 30e | 5W1AL | 21390/0330/Jul 1e |
| VP2/FS\& | 14204/0600/Jul 4 W | VKguc | 14273/1110/Je 29 e | 5W1AU | 14210/1120/Je 28 e |
| FKSBQ | 14207/0716/JuI 1w | VK9, | 14231/1130/Je 29 e | 5W1AW | 14207/1110/Je 28e |
| HC2YL | 21354/2000/Jul ${ }^{\text {\% }}$ W | VK9KA | 14225/1110/Je 30e | 6 Y 5 SR | 141.95/1200/Jul 3w |
| HKøEKX | 14194/1100/Jul 1w | VK9XX | 14250/1355/Jul 1m | 8R1Q | 14221/1045/Je 29e |
|  | 21290/0325/Jul 6w | VK9WA | 14205/1010/Jul 4w | 9MSWUW | 14232/1350/Often |
| KC6SK | 14203/1310/Jul 1 m | VK9ZB | 14216/1200/Often | 9Y4MH | 14197/0055/Je 30e |
| KG6sW | 14223/1555/JuI 3w | VK9MH | 14318/1040/Jul 4 W | 9 Y 4 VV | 14186/1040/Jul 1 w |

[ $e=$ eastern states $m=$ middle states $W=$ westerm reaches $h l=$ korea $h p=$ patama ] [jјe = june jul = july time in GMT \# = - ngpath ??? = son of a gun, it's Slim again]

FORTY/EIGHTY DESK

| CT1DH | $7018 / 0030 / \mathrm{Jul} 2 \mathrm{e}$ | A | $3806 / 1110 / \mathrm{Jul} \mathrm{1w}$ | PY3CGP | 3806/1005/Jul 2w |
| :---: | :---: | :---: | :---: | :---: | :---: |
| KCLUSN | $7235 / 0915 / \mathrm{JuI} 5 \mathrm{w}$ | C31FK | 3799/0250/Jul 1e | VRLBS | 3806/1105/Jul 1w |
| SM5BGK | 7010/0015/Jul $2 e$ | CPION | 3565/0200/Je 27e | VS6DO | 3805/1125/Jul 1w |
| UK2 2 LAB | 7012/0020/Jul 2 e | CEEAA | 3806/1110/Jul 1w | YJ8DS | 3806/1115/Jul 1w |
| VK2SA | 7009/1135/Je 27 e | IU̇EA JG | 3804/1045/Jul 2w | ZKIAA | 3860/0855/Jul 2w |
| YM9MQ: | 7205/1005/Je 29e | OATHAGR | 3804/1020/Jul 2w | 5W1AU | 3804/1105/Jul 2w |

KURE KH6BZF expects to shortly receive the logs for KH6EDY-Kure from February 72 to the present time, filling out the 11 years of logs that Lee holds for the Kure operations that have taken place during that period.
There has been a change in the command at the Coast Guard Station at Kure and It. Cmdr Robert I Hoyt is the new officer in charge. He has been expecting the arrival of a Conditional Class license and there should then be more activity from the island. Presently there are no amateurs on the island.

CLIPPERTON Recent observations of the island indicate that there is Iife there.... some off-shore observations report a colum of smoke rising from the bunker there on the island.. There is also a new beam up and pointing in a NE/SW direction when observed.
Some sources have indicated that it is possible that in addition to being a French national and with permission to land, it may be necessary to furnish an affidavit from the master of the vessel furnishing transportation that your return is guaranteed. Hermosillo on the west coast of Mexico is now an International Airport of Entry and Mazatlan, also on the westicoast, is a shipping port for International Entry. This might facilitate some of the logistic problems.
The French have set off additional nuclear blasts in the South Pacific and the howl. gets louder with each one. Something may develop one of these days....there are a number determinedly working on the poss lbility.

AFRICA．$\because \mathrm{C} . \mathrm{W}_{0}$
$\overline{C N 2 A} \overline{14073} / 0350 / \mathrm{Jul} 5 \mathrm{~m}$ FBEZZ 14067／1110／Jul 1e
TU2DD 21070／2115／Jul 3w IV2DD 14020／0630／Jul 2W
TYABE 21005／1830／Je 29e $5 \times 5 \mathrm{NK}$ 21031／1500／Jul 2e

EUROPE．．C．W．
FAZIA 21027／1620／Jul 3w GB3HCW 14020／0140／Je 27e LX1JT 14036／2015／Je 27e
LZ2LT 14070／0610／Jui 2w
ELSEWHFRES． 0 C 。W．
$\overline{\mathrm{A} 35 \mathrm{FX}} 14040 / 0530 / \mathrm{Jul} 1 \mathrm{w}$ A35JH．21049／0430／Jul 5w KGGJBS 14026／1110／Je $27 e$ OX3QI 14060／0040／Je 26 e
$\frac{A F R I C A}{C N B C G} \cdot \frac{\text { SSB }}{14223 / 0640 / J u I ~} 1 \mathrm{w}$ CR4BS 21354／2000／Jul 1w CR6MX 14212／0705／Jul 4W
CR6CA 14277／0045／Je 30e
CR7CO 14218／1055／Je 30e
CT3AR 14200／0105／Je 30e
CT3BC 14203／0330／Jul 7e
HL2GB 21355／1900／Jul 2e
FBEZZ 14202／1000／Jul 4W
FHBCY $14245 / 1150 / \mathrm{Jul} \mathrm{1e}$
TU2DO 21415／1510／Jul 2e
TU2DO 14273／0700／Je 29w
ASIA…SSB
HL9UF $14211 / 1440 / J u l 4 \mathrm{~W}$ HL9TO 14290／1120／Jul 4W HSTAWZ 14240／1410／Je 26w HS2AGH 14214／1530／Je 30w HS1AFP 21327／1650／Jul 4W HSLAGN 14203／1310／Jul 1m HZ1SH 14281／0325／Jul 6w MPLMBM 21297／1730／Je 30e JT㠶E 21267／0200／Jul 5w
UA9ACN 21236／1615／Ju］1e

## EUROPE $\circ \therefore$ SSB

C31FK 21311／1830／Je 30e CT2BG 21355／2220／Je 29e
EA6BN 14265／0640／Jul 4w
EA6BR 21305／2035／Jul 1e
EA6BH 14295／0540／Jul 5w
EA6BJ 21354／2005／Often
EA7DT 21334／2250／Jul 3ws
GC2TR 14252／0435／Jul 6w
：－GB3HCW 14197／0050／Je 30e
GMBITN 21350／2135／Je 28e
GW3YPH 21317／2030／Jul 1e
＇GWBOYJ 14214／0430／Jul 6w

ASIA：．．C．W．
$\overline{\text { BV2A }}$
गH2JHH
21067／1525／JuI 4m
MPLMHM 21025／0430／Jul 7w
UAфZS 14072／1400／Je 30e
UAめQP 14021／1450／Jul 3w
XV5AC 21045／0200／Jul 4w

SP8EDQ．14074／0710／Jul 2w UA1ACA 14006／0800／Jul 2W UC2LB：14009／0310／Jul 6w UK2GCG 14019／1910／Jul 1e

VK9MH $14015 / 113 \oplus / \mathrm{Jul} 3 e$ VPZAAA 14011／0200／Je 29e VP2LAW 14020／1110／Je 28e
VP2SU 14026／1210／Je 30e

XV5AC XW8EV 457 AB 9V10K 9V1RE

14048／1120／Jul 1e 14040／1445／Jul 2W 14022／1120／Jul 1e $14042 / 1440 / \mathrm{Jul} 4 \mathrm{~m}$ 14005／1540／Jul 5w

UK6LAZ U05PD UQ2GW UR2IO

14074／0720／Jul 2e 14009／2035／Je 27e 14051／0600／Jul 3w 14043／0600／JuI 3w

VP2VAR 14029／1905／Jul 1L VE8BA $15065 / 1405 / \mathrm{Je} 30 \mathrm{e}$ YN1AA $14030 / 1120 / \mathrm{Je} 30 \mathrm{e}$ 8P6BU 21027／2010／Je 27e

9G1WW 9G1WW 9F3USA 9G1FF 9J2ED 9J2DT 9L1VW $9 \times 5 \mathrm{VA}$ CNOHD

21327／1920／Je 25e 14250／0605／Jul 4W 21354／2230／Je 29m 14265／0640／Jul 4W 21290／1525／Jul 2e 141．91／1305／Jul 1w\＃ 21357／2100／Jul 7e 21354／2015／Jul 1m 21357／2130／Jul 7e

XV5AC 14205／1400／Juz 7w XV：5AG－21294／1730／JuI 3e
XW\＆DO
XW8DV
YA1GNT
ZC4BJ
9K2CI
9M2KC
9V1QG
9V1RE 14250／1420／Je 26 w 14231／1530／Je 30w 21239／1700／Jul 3w 21350／2140／Je 28e 14269／0420／Jul 6w 14223／1155／Jul 3m 14334／1020／JuI 4W $14204 / 1415 / \mathrm{Jul} 5 \mathrm{w}$

UC2AAH 21301／1510／JuI．3w UF6CR 14206／0350／JuI 3m UĞGGJ 14215／2245／Je 39e UO5OAK 14215／0345／Jul 3m UR2QD 21305／1550／Jül 3w YO2BB．14215／0330／Often
YO2BM 14216／0320／6w
YU1BCD 21296／1320／Jul 1m
9H1BX 14216／0430／Jul 1m
С T2BG

HA 5KHE 14220／0235／Je 30e HA5KSZ 14225／0030／Jul 4 e HA5AIR 14207／0445／Jul 6w LX1BJ 21324／2030／Jul 1e
IX1BJ 14265／0645／Jul 4w LZ2KBS 14207 0440／Jul 3m OH2BH 14222／0525／Jul 6w OH2NB $14216 / 1720 / \mathrm{Je} 29 \mathrm{~m}$ SVфWU 21360／1740／Jul 5w DJ5／TF 14218／0405／Je 30m UA3WG 21296／0430／Jul．6m UB5WI 14204／0440／Jul 6w 14207／0445／Jul 6w $14222 / 0525 / \mathrm{JuI} \mathrm{b}_{\mathrm{W}}$

TU2DO 28583／1900／Je 29e VQ9R 21350／1950／Often
VQ9MC 21336／1920／Jul 2e ZD7SD ：14215／2230／0ften
ZEICW 14214／0500／Jul 6W ZS2MI 14225／0600\＆1400
3D6AQ 14217／1145／Je 23e 5N2ABG 14264／0625／Je 30w 5U7AS $21364 / 1910 / \mathrm{Jul} 1 \mathrm{e}$ 5U7AF 2137C＇1830／Jul 2e 5H3KA 21336 1830／Jul 1w 5Z4EW 21325．1930／Often

UA $\varnothing$ SB $\quad 21301 / 2250 / J u I 1 e$ UA øNS 1 14227／1130／Jul 3e UA $\operatorname{taR}$ 1421：／1345／Jul 1m VS6BS 14218／1505／Jul 2w VS6DO 14245／1145／Jul 1m VS9MB＂．21278／1735／Jul 1w VU2KV．．．21270／0250／Jul 5w VU2HLU：21336／1530／Jul 3w VU2AAA 21312／0300／Jul 2 m VU2DK 21278／0355／Jul 2m

## CALENDAR

MEJLISH
VIET NAM
ANDORRA
BURMA
SÜnTCA
TROMELIN
VK9JW due to open July 14th for long run. New Country!!
XV5AC on most days.....multiple stations signing the call.
Several stations signing the C31 this week.
Word is that some actim is imminent......watch.
F $\varnothing A F V / F C$ and $F \not \subset A H Y / F C$ Iate July...
FRTAI/T on until around July 20th.

HAM RADIO OUTLET 999 Howard Avenue, Burlingame, Caiif. 94010 (41\%) $342575 \%$
Contact Bob Ferrero, K6AHV; for Top Trades or Cash Prices....
COILINS DRAKE HENRY KENWOOD HY GAIN SIGNAL ONE SWIN
Many other top lines in a large inventory of both new and used equipment... WRIIE!!! VISIT!!! PHONE!!! Tell us your nceds or what you may be interested in. 3 Top Service from Top DXers....


## SUNSPOT LOUIE

There are four sunspots on this chart which is from an observation on July 4th. The sunspot on the lower right is just appearing. A group of spots which was visibile three days previous has diminished to the point where they are no longer visible. All spots are in the small category. (WEZOK .. 1300 Z July 72)


CARIBBEAN K5AAD and WA 5ZNY are presently in the Caribbean area and hope to operate from a number of spots in the coming weeks. Some problem has been encountered with getting licenses and only.VP2V-British Virgin Islands is definite ind this should b: on from July 12-19th. They plan to visit FM7WD and operate this cill and hope that he can accompany them to St. Maxtin whero FMTVD/FS7 may be signed. Last week they were still waiting for word on the VP2Emagilla and VP2K-St. Kitts license.... If these do not jell they may use K5AAD's previors call of VP2GIL from Grereda and possibly RJ6 from Staba inl operations wifl OSL to WA5ZNY with s.a.s.e. etr.

| C.W. | 1327 kc | 3530 kc | 7030 kc | 14030 kc | 21030 kc | 28030 kc |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| SSD | 3330 kc | 7255 kc | 14280 kc | 21355 kc | 28550 kc |  |

BRIEFLY NOTED. The operators on the Mellish effort are VK3JW, John; VKLXY, George; VKLKS, Keith and VK4FJ, George. VK3ZT had to pull out at the last moment due to the death of his father. Contributions in the last two weeks amounted to $\$ 25.00$ ! !!


BURMA Word last Saturday via operators on XV5AC was that trere was good possibility that XZ－Burma would be back on the air shortly．This has been another one that John Van Lear，9M2IR，has been working on along with others and up to this point there has been remarkable success attending the efforts．Whether it may be days or weeks，keep listening and as Lord Baden－Powell，the Hero of Mafeking，would often say：＂Be Pre－ pared！！＂。
DARLEEN Darleen there at $21253 \mathrm{kc} / 20002$ last Friday signing HC2YI，she having received this call on July 5th．She is attending school most mornings but will be at this frequency on Fridays at 2000Z．For the present she advises QSLing via the HC－Bureau．
W4OPM－SILENT KEY Joe Hiller，W4OPM，of Virginia Beach，Va．passed away late July 1st at the Portsmouth，Virginia，Naval Hospital after a lingering illness of several months．Joe was retired from the Coast Guard and was in his mid－seventies at the time of death．He was the top leader in WPX and held many other impressive DX totals．
SIKKIM Last week there was a report out of VU－land that Ginny，VU2IRA，was ready to head for AC3－Sikkim．Something may develop on this but nothing definie had surfaced as of Saturday．
ANDORRA Three stations，C31FH，C31CD and C31FE due to open last Sunday and run for ten days to July 19th。 QSL to DL申LJ．Both C．W．and SSB．C31FN also there until the 20th and this one QSLs to PAøPMP．

TNX to W1AM，WA2DHS，W2FXA，WB2YQH，WLEH，WLHU，WLKA，WLNJF，WLUF，W5ALA，WSUBW，WA 5ZNY， WGAAO，WGA PW，JGAQV，W6BJI，W6DZK，K6EC，W6EJ，WDX6GXV，K6KA，W6KYA，K6IAE，WGIQC， WA GLLY，W6MI，WA 6MWG，W6ISI，K6GIC，W60KK，W6TSQ，W6TTS，K6UFT，WB6UJO，WB6WHM， WB6ZUC，WYPFZ，W7VRO，K7ZHS，WEZOK，W9DDL，WA 9VOL，W9WKU，W申JRN，WøYDB，KH6BZF， WB6RIU／FL9，HP1IE，DL7FT。

WEST COAST DX BULLETIN Published every week by the Marin County DX Group．One of the local QRFers recently attended a club meeting and returned home spmewhat confused from the violent intramural warfare．We asked just what went on．＂All I can remem－ ber＂，he said，＂is someone shouting，＂You can＇t tell which way the train went by looking at the tracks＂＂．Son of a Gun，when we got to thinking it over，it is true． You just can＇t tell which way they went．．．．．$\$ 9.00$ for a full year of DX tracks， $\$ 10.50$ brings it airmail．You may be headed the wrong way on the right track but you won＇t be alone．．．

WEST COAST DX BULLETIN
77 Coleman Drive
San Rafael，Calif。 94901

FIRST CLASS
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