

MELLISH REEF As of last Saturday things were solid for the VK9JW-Mellish Reef to open July 14th, 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 much around—the—clock operation as possible. QSLs 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 3875, Victoria, Australia.

VIET NAM XV5AC continues active on both c.w. and SSB, 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 tenanted 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 WAEVG. 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 14092kc...and sometimes in between. All QSLs go to W1YRC

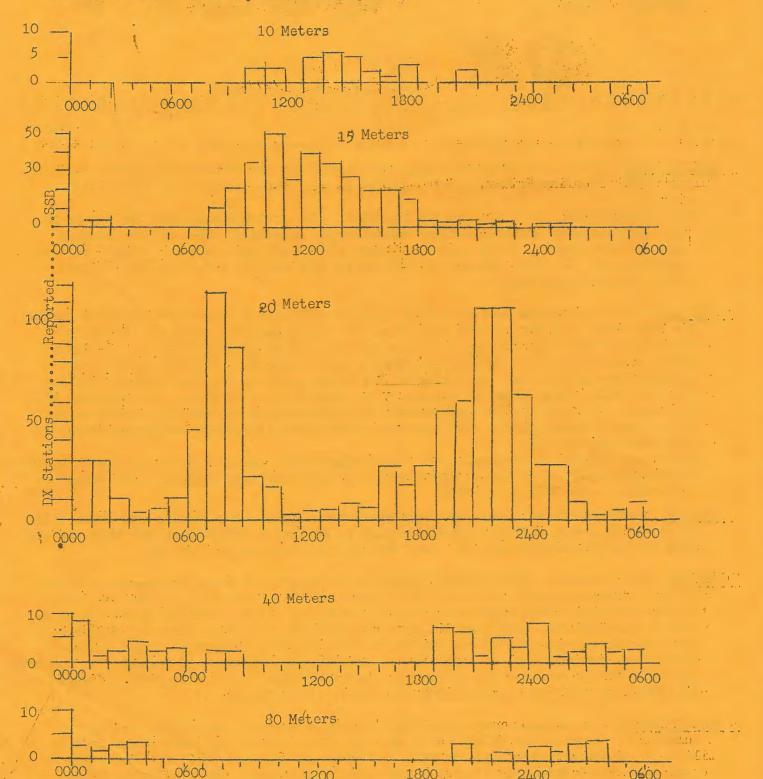
SPRATLY Developments on a possible September operation are progressing and INDXA will be in on this one. Definite details should be surfacing before long but this one has been in the planning stages for some time and is starting to firm up.

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 corner 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 country status. Should you have not heard any great 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 0600Z and again at 1400Z....14225kc. There may be 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 XU1AA 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 constructing histogram to show graphically how to look for DX and the needed ones. The following is based on East Coast data and is based on Red Eyed Louie and other sources. It gives an indication of what one should or can expect on band openings.



Data from Reports in May. 78% of the 20mtr listings are from 14200-14230kc..another 10% from 14250kc to 14280kc. On 15mtrs 46% are from 21275kc to 21295kc, 10% from 21300kc to 21315kc and 11% from 21350kc to 21365kc. Lack of activity in 21250kc to 21275kc is somewhat startling. Taking the two bands together but weighted heavily towards 20mtrs, things open with a bang around 0600 local time, peak about 0730local time, dropping to \$\phi\$ about noon. Early evening the band usually builds up on twenty meters again.

AND MORE RED EYED STUFF

1. IS

ELSEWHER	RESSSB				
A35JH	21323/0340/Jul 61	v KG6ARH	14218/1040/Je 29e	VK9CC	14264/1105/Je 27w
C21TL	14204/1015/Jul 30	e KG6JBO	14210/1055/Je 29e	VP2VJ	14195/1020/Jul 3e
C29ED	14208/1015/Jul 41	v KG6SL	14220/1220/Je 25m	VP2KF	14198/1120/Je 28e
C21AA	14190/1100/Je 281	I KS4BH	14235/0340/Jul 4m	VP2MW	14287/0050/Je 39e
CRSAK	14222/1425/Je 29t	v KS6EM	14327/1105/Je 30e	VR4BS	14193/1055/Je 29e
CX2BBH	28583/1900/Je 296	e KS6DY	14210/1130/Jul 1e	-VR6TC	21351/2230/Jul 4w
DU1BOB	14220/1500/Jul 41	v KX6JQ	14213/1115/Jul 3e	VR4AA	14262/0715/Je 27m
DU1EIR	21266/1615/Jul 31	v PJSAA	14209/1120/Je 28e	, WJ4ULY	21323/1805/Jul 4w
DU1RX	14204/1430/Je 28t	v PJ8AA	21350/2205/Je 27e	YB3AAY	14193/1040/Je 29e
DU1AVN	14217/1050/Jul 3	PJ8MS	14202/1040/Je 28e	YBØABB	14228/1305/Jul 1m
DU1PT	14210/1220/Jul 1		21302/1940/Je 25w	YBOAAV	14207/1430/Jul 5w
FY7AE	21350/1850/Je 27	TG9DX	21351/1520/Jul 10	YBØAAG	21266/1610/Jul 3w
FG7XL	21290/1525/Jul 20	VK6MK	14210/0750/Jul 2w	YJSBD	14226/1025/Je 30e
FOSDH	14243/0710/Jul 1		14201/1545/Je 30w	ZF1WE	21377/2245/Jul 1e
FOSDO	· 14243/0710/Jul 11	v. VK9KA	14225/1100/Je 30e	5W1AL	21390/0330/Jul 1e
VP2/FS&	14204/0600/Jul 41		14273/1110/Je 29e	5W1AU	14210/1120/Je 28e
FK8BQ	14207/0716/Jul 1		14231/1130/Je 29e	5W1AW	14207/1110/Je 28e
HC2YL	21354/2000/Jul 7		14225/1110/Je 30e	6Y5SR	14195/1200/Jul 3w
HKØBKX	14194/1100/Jul 1		14250/1355/Jul 1m	8R1Q	14221/1045/Je 29e
HRIKA	21290/0325/Jul 6	v VK9WA	14205/1010/Jul 4w	9M8WUW	14232/1350/Often
KC6SK	14203/1310/Jul 1m	VK9ZB	14216/1200/Often	9Y4MH	14197/0055/Je 30e
KG6SW	14223/1555/Jul 31	v VK9MH	14318/1040/Jul 4w	9Y4VV	14186/1040/Jul 1w

[e = eastern states m = middle states w = western reaches hl = korea hp = patama] [je = june jul = july time in GMT # = ngpath ??? = son of a gun, it's Slim again]

.;	FORTY/EIG	HTY DESK			w. •	1 1 1 1	1
	CT1DH	7018/003	0/Jul 2e	A35FX	3806/1110/Jul 1w	PY3CGP	3806/1005/Jul 2w
	KC4USN	7235/091	5/Jul 5w	C31FK	3799/0250/Jul 1e	VR4BS	3806/1105/Jul 1w
	SM5BGK	7010/001	5/Jul 2e	CP10N	3805/0200/Je 27e	VS6DO	3805/1125/Jul 1w
	UK2LAB	7012/002	O/Jul 2e	CESAA	3806/1110/Jul 1w	YJ8DS	3806/1115/Jul 1w
S	VK2SA	7009/113	5/Je 27e	LUSA JG	3804/1045/Jul 2w	ZK1AA	3860/0855/Jul 2w
1	YN9MQ	7205/100	5/Je 29e	QĂ 4AGR	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 Lt.Cmdr Robert L 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.

some off-shore observations of the island indicate that there is life there....
some off-shore observations report a column 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 west coast, 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 possibility.

	1.4					
. N	AFRICA. CN2AQ FB8ZZ TU2DD TU2DD TY1ABE 5X5NK		ASIA BV2A JH2JHH MP4MHM UAØZS UAØQP XV5AC	C.W. 14023/1030/Jul 3w 21067/1525/Jul 4m 21025/0430/Jul 7w 14072/1400/Je 30e 14021/1450/Jul 3w 21045/0200/Jul 4w	XV5AC XW8EV 4S7AB 9V1OK 9V1RE	14048/1120/Jul 1e 14040/1445/Jul 2w 14022/1120/Jul 1e 14042/1440/Jul 4m 14005/1540/Jul 5w
	EUROPE. FAZIA GB3HCW LX1JT LZ2LT	21027/1620/Jul 3w 14020/0140/Je 27e 14036/2015/Je 27e 14070/0610/Jul 2w	SPSEDQ UA 1ACA UC2LB UK2GCG	14074/0710/Jul 2w 14006/0800/Jul 2w 14009/0310/Jul 6w 14019/1910/Jul 1e	UK6LAZ UO5PD UQ2GW UR2IO	14074/0720/Jul 2e 14009/2035/Je 27e 14051/0600/Jul 3w 14048/0600/Jul 3w
	A35FX A35FX A35JH KGGJBS OX3QI	RESC.W. 14040/0530/Jul 1w 21049/0430/Jul 5w 14026/1110/Je 27e 14060/0040/Je 26e	VK9MH VP2AAA VP2LAW V P2SU	14015/1139/Jul 3e 14011/0200/Je 29e 14020/1110/Je 28e 14026/1210/Je 30e	VP2VAR VE8BA YN1AA 8P6BU	14029/1905/Jul: 1c 14065/1405/Je 30e 14030/1120/Je 30e 21027/2010/Je 27e
	AFRICA. CN8CG CR4BS CR6CA CR7CO CT3AR CT3BC EL2GB FB8ZZ FH8CY TU2DO	14223/0640/Jul 1w 21354/2000/Jul 1w 14212/0705/Jul 4w 14277/0045/Je 30e 14218/1055/Je 30e 14200/0105/Je 30e 14203/0330/Jul 7e 21355/1900/Jul 2e 14202/1000/Jul 4w 14245/1150/Jul 1e 21415/1510/Jul 2e	TU2DO VQ9R VQ9MC ZD7SD ZE1CW ZS2MI 3D6AQ 5N2ABG 5U7AS 5U7AF 5H3KA	28583/1900/Je 29e 21350/1950/Often 21336/1920/Jul 2e 14215/2230/Often 14214/0500/Jul 6w 14225/0600&1400 14217/1145/Je 23e 14264/0625/Je 30w 21364/1910/Jul 1e 21370 1830/Jul 2e 21336 1830/Jul 1w	9G1WW 9G1WW 9F3USA 9G1FF 9J2ED 9J2DT 9L1VW 9X5VA CN8HD	21327/1920/Je 25e 14250/0605/Jul 4w 21354/2230/Je 29m 14265/0640/Jul 4w 21290/1525/Jul 2e 14191/1305/Jul 1w# 21357/2100/Jul 7e 21354/2015/Jul 1m 21357/2130/Jul 7e
	ASIA	14273/0700/Je 29w SSB 14211/1440/Jul 4w	5Z4LW UA ØSB	21325 1930/Often 21301/2250/Jul 1e	XV 5AC	14205/1400/Jul 7w
SA ST	HL9TO HS1AWZ HS2AGH HS1AFP HS4AGN HZ1SH MP4MBM JTØAE UA 9ACN	14290/1120/Jul 4w 14240/1410/Je 26w 14214/1530/Je 30w 21327/1650/Jul 4w 14203/1310/Jul 1m 14281/0325/Jul 6w 21297/1730/Je 30e 21267/0200/Jul 5w 21286/1615/Jul 1e	UA ØNS UA ØZAR VS6BS VS6DO VS9MB VU2KV VU2HLU VU2AAA VU2DK	14227/1130/Jul 3e 14211/1345/Jul 1m 14218/1505/Jul 2w 14245/1145/Jul 1m 21278/1735/Jul 1w 21270/0250/Jul 5w 21336/1530/Jul 3w 21312/0300/Jul 2m 21278/0355/Jul 2m	XV-5AC XW8DO XW8DV YA1GNT ZC4BJ 9K2CI 9M2KC 9V1QG	4
10	GM3ITN	21311/1830/Je 30e 21355/2220/Je 29e 14265/0640/Jul 4w 21305/2035/Jul 1e 14295/0540/Jul 5w 21354/2005/Often 21334/2250/Jul 3w 14252/0435/Jul 6w 14197/0050/Je 30e 21350/2135/Je 28e	HA 5KHE HA 5KSZ HA 5AIR LX1BJ LX1BJ LZ2KBS OH2BH OH2NB SVØWI DJ5/TF	14220/0235/Je 30e. 14225/0030/Jul 4e 14207/0445/Jul 6w 21324/2030/Jul 1e 14265/0645/Jul 4w 14207/0440/Jul 3m 14222/0525/Jul 6w 14216/1720/Je 29m 21360/1740/Jul 5w 14218/0405/Je 30m 21206/0430/Jul 6m	UC2AAH UF6CR UG6GJ UO5OAK UR2QD YO2BB YO2BM YU1BCD 9H1BX CT2BG	21301/1510/Jul 3w 14206/0350/Jul 3m 14215/2245/Je 39e 14215/0345/Jul 3m 21305/1550/Jul 3w 14215/0330/Often 14216/0320/6w 21296/1320/Jul 1m 14216/0430/Jul 1m 14290/2020/Jul 1e
(, n 1;	GW3YPH GW3OYJ	21317/2030/Jul 1e 14214/0430/Jul 6w	UA 3WG UB5WI	21296/0430/Jul 6m 14204/0440/Jul 6w	1.00 to 1.00 t	e and

CALENDAR

MELLISH
VIET NAM
ANDORRA
BURMA
COLCICA
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 action is imminent....watch. FMATV/FC and FMAHY/FC late July...
FR7AI/T on until around July 20th.

HAM RADIO OUTLET 999 Howard Avenue, Burlingame, Calif. 94010 (415) 342 5757

Contact Bob Ferrero, K6AHV, for Top Trades or Cash Prices....

COLLINS DRAKE HENRY KENWOOD HY GAIN SIGNAL ONE SWAN

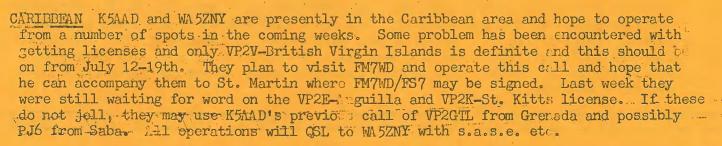
Many other top lines in a large inventory of both new and used equipment...

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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. (WSZOK 1300Z 4 July 72)



C.W. 1827ke 3530kc 7030ke 14030ke 21030ke 28030ke SSB 3830ke 7255ke 14280ke 21355ke 28550ke

BRIEFLY NOTED. The operators on the Mellish effort are VK3JW, John; VK4XY, George; VK4KS, 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!!!

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HAM-M R		99.00	TRIEX	W-51 Tower	339.00	2D-Receiver	150.00
TR-44 R	otator	59.95		MW-50 Tower	229.00	HT-32B Xutr	175.00

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- BURMA Word last Saturdar via operators on XV5AC was that there 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 Prepared!!".
- DARLEFN Darleen there at 21253kc/2000Z last Friday signing HC2YL, 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 DLØLJ. Both C.W. and SSB. C31FN also there until the 20th and this one QSLs to PA PMP.
- INX to W1AM, WA2DHS, W2FXA, WB2YQH, W4EH, W4HU, W4KA, W4NJF, W5ALA, W5UBW, WA5ZNY, W6AAO, W6APW, J6AQV, W6BJI, W6DZK, K6EC, W6EJ, WDX6GXV, K6KA, W6KYA, K6LAE, W6LQC, WA6LLY, W6MI, WA6MWG, W6ISI, K6GLC, W6OKK, W6TSQ, W6TTS, K6UFT, WB6UJO, WB6WHM, WB6ZUC, W7PFZ, W7VRO, K7ZHS, W8ZOK, W9DDL, WA9VOL, W9WKU, WØJRN, WØYDB, KH6BZF, WB6RIU/HL9, HP1IE, DL7FT.
- WEST COAST DX BULLETIN Published every week by the Marin County DX Group. One of the local QRPers recently attended a club meeting and returned home semewhat confused from the violent intramural warfare. We asked just what went on. "All I can remember", 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

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