

May 23, 1978

St PEITR AND PAUL ROCKS PYYRO is aiming the St Peter and Paul Rocks operation for July 7 th to 9 th. The plan is to operate ten thiough forty meters.
PY1RO likes C.W. and there should be plenty of that action. He also like One-Sixty. More information will be coming on this one in the next month but it is getting solid.
For those with long memories, July 9, 1968 was the date ten years back when the ARRL released the decision on the St Peter and Paul argument it had with Don Miller. We will have a bit more on that matter in the coming weeks. Ten years later you are still hearing and feeling some of the tremors.
SAN FFHIX Planning is going for a CEbX-San Felix operation for later this year, most likely along iowards October or Notember. At this point the planning is pretty sure and should be definite by July.
The crew will include experienced DXers who have been out previously and will be looking to run up a large total of 250 s . There will also be more information on this one.
BOUVET September-Remember! There has been nothing official as fax as we know but there are some very definite signs looking towards the end of September. This may be for a week or so.
IRAQ Things have quieted a bit on the Baghdad front but more action is expected before long. There are a number of efforts going to imurove the equipment at YI 1 BGD.
Ken Electronics with Kan Mizoguchi, JA1KK, guiding things, has shipped some YAESU gear, shipping a FPT-101E and FV-101B. This gear was dowated by the YAESO Company and the JAs say that if this doee not improve the signal, they are ready to ship a linear to make sure that the YIMBC signal is heard.
Working from the other quadrant, the Northern Califomia DK Club has shipped a FT-560 to Europe for forwarding on to Baghdad. This one was being tested last week in Burope and was putting out 350watts. From Europe the signal was good.
Teeping in mind that even getting the gear into the country takes a bit of delicate negotiating, and that the amateur operations are still but in the fledging state, if the gear being shipped gets set up in Baghde.d, there will definitely be an improvement in the signal. There has been some talk "of some directional antennas beins provided but apparently these have not as yet come on line.
Both shipments, that from YAESU and from the Northern Celifornia DX Foundation should provide for split frequenoy operation. That in itself should be an improvement.
COCOS KEBLITNG J.B Smith, P29JS, is all set for the VK9YS operation and you will be hearing them in the middle of next week, the operation should come on the air sometime around 00002 on May 31st.
The geax will include two TS-820s, one VFO-820, one SB-200 and a 4-element monobander for twenty meters. There are $75^{\prime}$ towers available and on bands other than twenty, multi-band dipoles will be used. VKgYt will also be a call used in the effort.
KLUIE has been handling some of the atateside details and last week he was anxiousiy worrying about a DENTRON MLA-2500 donated to the effort but currently stuak in Honolulu. Dick was scratching for weys to get it to Perth in time for the operation. This piece of gear can be used in the Cocos-Keeling offort and then again late in Angust on the up-coming Mellish Reef effort by the VKs.
Anyone who might be able to help or knows how to get the linear to Perth should get in contact with Dick Hicks, 8201 Cassie Road, Jacksonville, Floxida 32221. The phone is (904) 7817296.
QSIs for European contacts will go to Ann Koloboff, F6CYI. All others 'go to KLUIE, F6CYI will be signing Vk9YL in this effort.
MARION ISLAND Gordon left Marion Island on May 14th, a couple of weeks before the expected date. Dave, the new operator will keep ZS2MI going but the emphasis may shift towards c.wo operation.
As of last week, not much was known about the new operator and his preferences in operating. The hope is that there may be a continuation of the Sat/Sun achedules with K200 and K5VNJ. However, at this point there is an amateuir on the island and hope for the future. More should come on this before long.
IFBRNANDO DE NORONHA PYTOD was due to show from there last Saturday and to be there through this week, to May 27th. Indicators were to watch the usual DX frequencies..... 14195kc.....21295kc.

SUNSPOT LOUIE DXers with long memories will rech the sdlax conditions of August 1972 when a hage exuption odchred on the sun. It took things out a bit. Whe Auryst $19 \times 2$ event is regarded by the National Oceanic and Itmospheric Administration's Space Enviroment Seryice as "...Qut benchmark".
However, in April one of the 1972's meat important records was broken by a superflare that soems, in terms of accompanying radio-frequency energes. to be the noisiest on record.
The $10-\mathrm{cm}$ background level is about 70 . 11 ux un during the period of minimum solar activity, ralsing to about 170 during an active period.
The August 1972 event produced a level of about 22,000, N18 w $11081^{\circ}$ an increase of more than 100-fold. The buperfyare 01 April 28 th raised the number to 24,000 .
The overall energy of a flare is indicated by its $X$-ray output, this being a more representative figure. Mos flares are small with peak X-ray energies of about 0.001 erg per square centimeter per second reach the earth. The August 1972 peak was about 15 ergs and the April flare was about one-third, that. But the April flare took longer to die out and probably reach half the 1972 level.
The April 28 th flare triggered a storm that distorted the earths magnetic field for four days. Flares have been noted in moderate to better categories during a two week period in April, ten comine on April 7 th alone. If the small flares are included, the total may be as high as 200.
NOAA says that the peak of the current cycle should come in 1979 or 1980. The sunspot number has already readed an average of about 100 in this cycle and that is about 10 short of the peak reached during the last maximum in 1968~69.
You know something? If you go back to the period of around 1969-1971 you can find some dire predictions that sunspots were gone forever, that the good days of DXing would not be seen again in this century. Remember?
But all the calculations failed to include the work of the Palos Verdes Sundancers! They brought back the good days. It should be a lesson to those who do not believe. The Good Days of DXing are at hand. Prepare!! And keep, in mind who brought them to the Deserving! Never forget!!

However, if we don't stop patting the Paios Verdes Sundancers on the back for their great work in bringing Cycle 21 to the Deserving, we will miss..... the great days ahead. And $N L_{X X}$, tanned from the summer sun, says it will be-

| May 23rd | Low Normal |
| :--- | :--- |
| 24th | Low Normal |
| 25 th | High/Low (flares) |
| 26 th | High/Low (flares-SWFs) |
| 27th | Below Normal |
| 28 th | Disturbed |
| 29th | Disturbed |

$\begin{array}{cc}\text { May } 30 \text { th } & \text { Disturbed } \\ 31 \text { st } & \text { Disturbed }\end{array}$
Jun lst Low to High Normal 2nd Above Normal 3rd High to Low Normal
28th Disturbed
29th Disturbed

If you are inclined to complain about the flares, remember what it was back at the bottom of the cycle......without flares.
Flares don't bother K6EC, however. He always gets that Colorado DX and listens to WWV every day. And Ev says that all the chart figures were-

|  | Solar Flux | Ap Index |  | Solar Flux | Ap Index |
| ---: | :---: | :---: | ---: | :---: | :---: |
| May | 2th | 141 | 14 | May 12th | 125 |
| 9th | 133 | 65 | 13 th | 139 | 25 |
| 10th | 127 | 11 | 14 th | 143 | 15 |
| 11th | 131 | 30 |  |  |  |

WARC/FCC NOI VIII The eignth Notice of Inquiry on WARC 79 was released by the FCC last week. Three new amateur hf bends were proposed, a loss of 50 kHz from the top of Eighty and 60 kHz from the bottom of One-Sixty was also proposed.
The losses proposed axe:

Eighty Meters
One-Sixty

```
3500-3950kFz
1800-1860kHz shared.(Region III only)
1860-1900kHz worldwide
1900-2000kHz shared
```

The gains and changes

Forty Meters Thirty Meters Twenty Meters Seventeen Meters Fiisteen Meters Thirteen Meters Ten Meters

$6950-7250 \mathrm{kHz}$ (shifted down 50 kHz )
$10100-10200 \mathrm{kHz}$ (new)
$14000-1450 \mathrm{kHz}$
$18068-18168 \mathrm{kHz}$ (no change).
$20950-21450 \mathrm{kHz}$ ( 50 kHz added to low end)
$25110-2210 \mathrm{kHz}$
$28000-29700 \mathrm{kHz}$ (new)
(unchanged)

Before you start planning now to work 9BnXCC, you might stop and consider that this is a proposal and not final. The additions were included because of strong representations by the amateurs in the service working groups working on WARC. It is also reported that the higher levels will not support some of the proposals. And this is oniy the U.S. position. It still has to go to Geneva and get included in the new treaty's provisions.
This may be mentioned in QST in June. However, the deadline for comment is June 30 th. If you want to gain anything, or to head off the losses, it is time to make your voice heard. Individual DXers should write both to the FCC to either support or reject and it would not hurt to indicate your interest to your Congressmen and Senators. This is an election year. The amateur proposals...additions and deletions could depend on the reaction of the amateurs and their feelings in the matter.
It is time to tell how Deserving you are. Your effort can be crucial. Strike a blow for DX! Write today....and a couple more tomorrow.
SHORITY NOTED We have another batch of QSL information from K5.DB and this wi.l. show in a week or so. We are shortly shipping another batch of reports to John and you may be getting more soon.
Some VKs were schuled to keep VKgXW warm from the 22nd of May to the $26 \mathrm{trin}^{\circ}$. You might listen for them. KSLAA was heard on twenty c.w. and SSB recently....said he was on Serrana Bank and to QSL '..via the bureau'. Suspicion is that it was Serrana Slim but work them first, worry later. Never get too doubtful.
ZK1AS and ZK1DR are being heard from the Cook Islands. They are due to return to New Zealand in June.
On that Sable Island prospect mentioned last week. You might relax a bit. A bit of checking indicates that W1BLF was speculating but had not checked into the possibilities. Canadian authorities reluctant to allow visitors because of possible damage or enroachment on the ecology of the island. In other words, it is rather difficult to get permission and at this time it appears not to be given out.....

[^0]THALLAND The recent FCC release on commanications with Thailand has caused some concerm though the FS stations continued to be heard occasionally durias April. The word out of Bangkok last week was that the matter had been intended to refer to third-party traffic. As of mid-May HS stations were atill on the air. Some clarification of the matter may be coming. The FCC release was sent to the Bangkok Deak and this one works at an Embassy there in Bangkok. If all of this falls into place, as it seams it will, you should get some further word soon on the matter.

SOME SHORT NOTES The ISWL MONITOR has been circling the CB question, the editorial opinion apparently is that.....maybe.....if it comes it should be:located somewhere in VHF country. One reader took exception and among the comments were..... .
"....Secondly, on Page 14, you plea for more tolerance. My dear Andy, surely you must realize that at least half our troubles today are due to too much tolerance. We tolerate bad operating by 'lids' of all nationalities, our own authorities tolerate the obscene behaviour of 'hams' in the Iondon' area on GB3LO, licensed operators tolerate the Yanks with their demands for a clear channel for what is to us an illegal practice....'Phone Patch'. Need I continue"
A heap less tolerance and a bit more of the big fist, would I am sure, improve our hobby and our image in the eyes of the world."

Now there's a letter to the editor which is four-square in declaring its position. Some might tend to feel the same about the phone patches. Here in the Western Reaches the rate in off hours... or is it weekends....is $85 \%$ for five minutes. Down in the southeastern area there is a bit of feeling on some reciprocals raming through phone patches which appear to be more business than amateur. Some of the reciprocals have been around for a decade or longer but are still using their reciprocal calls.
Someone has asked us to run the IRC matrix through again. We will try but keep in mind we split bauk in 1975 and our keen edge has been dulled by good living.
IRCs have no expiration limit. Technically they are good forever though you may have problems convincing some postal clerks on the matter. If you have one that you paid $10 \phi$ for......and you will note that it still says it is good for one firstmalass surface rate.... you should be able to get an $18 申$ stamp at a U.S. Post Office. What you paid for it and what the present first-class rate is are not relevant. You may get an argument from some window clerks and if you are mean enough, demand that they prove their point by showing their interpretation in the Pomtal Manual. You should find that they cannot prove their point but you can prove yours by citing International Manual 221.233!
A couple of years back the U.S. decided to put a term on IRCs in circulation. It was noted here and Geoff Watts of the DX NEWS SHBET in England asked the British Postal authorities. The question went all the way to London where the answer was: "Absolutely Not!!" The pertinent sections of the international agreements was quoted and no country can take unilateral action with IRGs. So eventually Washington backed off on the question. Remember....IRCs are not a hot-selling item in most post offices. Knowledge of them can be a bit thin. Don't take anything but $18 \&$ for them... when they raise the rates you can get even a bit more. Herd to believe your government paper will increase in value!

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```
Instaflation
``` \(\qquad\)
``` inside tower
Diameter
``` \(\qquad\)
``` 9-5/16"
Mounting
``` \(\qquad\)
``` 5/16" Boits (6 supplied)
Height
``` \(\qquad\)
``` 14-1/16"
Mast Size
``` \(\qquad\)
``` Up to \(2^{\prime \prime}\) O.D.
Rotator Weight 18-3/4"
Wind Load Rating
``` \(\qquad\)
``` Antennas up to \(28 \mathrm{Ft}^{2}\)
Bearings
``` \(\qquad\)
``` 138 Ball bearings ( 3 races)
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NEW CONTROL BOX DESIGN. . .that will please the professional. . full regulated indication of antenna direction, snap action control of clockwise and counterclockwise rotation, snap action control of brake, separate on/off switch for instant antenna location as well as front panel control of calibration. New L.E.D. indicators signal rotation and brake operation. And, housed in a black satin anodized case, it looks as good as it works.

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| Line Cord ......................... 3 Wire (Grounded) |
| :--- |
| Control Cable |
| Requirements .................. Belden 8448 up to $120^{\circ}$ |
| (or equivalent) |

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HAITI QSLs Getting a HHmQSL often is not a straight forward process. Those who try going via bureaus frequently find that longevity is a prexequisite. You wait forever.
First, the ARRL Outgoing QSL Bureau does not distribute to QSI Managers. Now theirs is a straight forward operation. Straight to the QSL Bureau in the next country. Sometimes this does not quickly produce a QSL for the Deserving.
Send a QSL for some of the last years HH-efforts to the ARRL and they forward it to the BH QSL Bureau. They accumulate in Port au Priye until someone headed stateside pioks up the cards and carries them north. Recently Vic Clark, WhkRC, picked up a bundle of about 500 cards and carried them to Florida. These should start surfecing soon. Iou would be better off to try going direct to QSL Managers.
The CQ WW Test of 1977 brought a lot of action. If you worked the North Florida DX efforti...all the phone contacts go to K4णTE......all c.W. go to WhORT. This

HH2CG goes to AALUS.....Gene Densmore, 2125 Cambridge Dr, Tallahassee, Tla 32304. HH2MC watches the scene there at Port au Prince and tries to get the cards moved when possible. HH2YL is his XYL. HH2MC QSLs via WAlAKU while Marylaese goes to W7RQ. If you want a bit of high speed c.W., you might watch for Dan, HIE2MC.
Some have said it is difficult to get a HR-ZSL. Actually, with a roadmap, a list of QSL Managers and a couple of months of waiting, it is a rather simple operation. Once yoi get your $\mathrm{EH}-$ QSL you will agree. You'd be better off to go direct......
AGATEGA/RODRTGURZ Alex Mootoo, 3B8DA, has some plans to activati 3BT-Agalega and 3B9-Rodriguez if something can be done in the way of gear.
Currently Alex is using a SWAN 500 supplied by the Northem California DX Foundation some years back. There is some natural reluctance to attempt a long trip with any dependence on gsar which has gone a bit beyond its peak of reliability.
On the east coast, WA4SSU, K5VNJ, K2UO and K1UO have been communicating with Alex regarding the planning for the Indian Ocean operations. Some have offered to help upgrade the operating gear for the trip and Dave Johnson, WA4SSU, is handling the details. Dave says that anyone interested in helping get Agalega and Rodriguez on the air in the near future can send any support to him at 2738 Monarch Drive, Ellenwood, Georgia 30049.
VHF TROPO Southern California was being worked from Hawaii on two meters eaxlier this month, the Mauna Loa Repeater working K6DYD and WB6NMY in the San Diego area. Apparently all contacts were through the repeaters and no sirplex contacts have been noted. KH6IAA at the $8000^{\prime}$ level of Mauna Loa was being worked in the mainland area near the Mexicon border.
The peak of the tropo season is a bit ahead and N6NB plans to be in Hawaii to try a quick trip to Hilo on the big island to check the $144 / 220 / 432$ and 1296 mHz action. Wayne will be trying to make the first ever 432 and 1296 :two way QSOs with the mainland. This is another effort supported by the Northern Califormia DX Foundation and might produce some interesting happenings. Wayne is looking for some tropo ducts and we will have more exact dates some time in the coraing weeks. Meanwhile, pass the word that $D X$ may be coming on 1296. A chance to add another raxe country!


Oh! the quiakly faded gloxy
Of the DXers brief, brief atory!
How the old band beckons vainly in the sunshine and rain?

TENN METERS LIVES Incredible! !

| C5AAB | $28560 / 1635 /$ May | 8 e |
| :--- | ---: | ---: |
| CE3AQX | $28508 / 810 /$ May | 13 e |
| FA7AAF | $28551 / 1620 /$ May | 8 e |
| FPRTRP | $28651 / 1530 /$ May | 8 e |
| KC6MMM | $28620 / 2155 /$ May | 8 e |
| KM6FC | $28539 / 235 /$ May | 10 e |
| P29NKV | $28585 / 2120 /$ May | 10 e |


| PT2FR | 28610/1720/May |  |
| :---: | :---: | :---: |
| VK290 | 28595/2300/May |  |
| VK3LR | 28675/2330/Mm |  |
| VK8DB | 28576/2350/May | 10e |
| VRL $\mathrm{BF}^{\text {P }}$ | 28506/0105/May | 11e |
| YJ8KM | 28590/2340/May |  |
| 2E1DF | 28592/1720/May |  |


| FB8XT | 14043/0640/May 15 |
| :---: | :---: |
| 2N | 14040/1200/May |
| 773W | 14025/1300/May |
| J28AY | 4038/2210/May |
| SU1TM |  |

UF6CX 14028/1530/May 11e UH8CS 21032/1355/May 10m OJ8JCA 14025/1315/May 6w UKбКаН 14026/0310/May 12e ULTPBY 21032/0055/May 14m ULTEAM 21024/0050/May 14m ultmar 14043/1935/May 11e ULTMAM 14003/0230/May 12e UMBNAJ $14003 / 0230 /$ MRy $12 e$ UM8MBA $14003 / 0245 /$ May $12 e$

## -

| ST9RD | $14210 / 2100 /$ May | 10 m |
| :--- | :--- | :--- |
| S79MC | $21302 / 1930 /$ May | 6 m |
| S79DF | $21302 / 1930 /$ May | 6 m |
| TR8AC2 | $21278 / 2215 /$ May | 11 e |
| TR8GDC | $21280 / 2230 /$ May | 12 m |
| TUTGU | $21259 / 1800 /$ May | 11 m |
| TJ2P | $14208 / 1950 /$ May | 8 e |
| TURHS | $21334 / 2230 /$ May | 11 e |
| TR8RG | $14214 / 2035 /$ May | 7 e |
| WA60XZ/VQ9 | $21355 / 1740$ | 7 m |

UAбCCR 14230/1545/May 13w UD6DFD 14203/2210/May $6 e$ UF67AA 14218/0225/May 10m UK7LAB 14215/0215/May 10m UK9CAE 14230/0325/May 12m VS6AK 14211/1425/May 11w VS6CY 14216/1325/May 14e VO2GDG 14223/1550/May 12w OESCA/XK $21359 / 1830 /$ 10Tin OE2SJL/YK 21355/1835 7m

| 2 TT | 28593/2145/M | 7 l |
| :---: | :---: | :---: |
| 2L1EKS | 28617/2315/May | 9 e |
| ZS6AW | 28540/1655/May | 7 l |
| ZL6BLK | 28658/1650/May | 7 F |
| 5H3BP | 28583/1355/May | 11e |
| 8P6GG | 28611/2235/May | 8 8e |
| 9世4L | 28586/1700/May |  |

S8ARL 14005/1445/May 13w WA7JRL/SU $21033 / 1830$ 12e\# Z2P1PS. 14035/1355/May 11w SMGEIG/40 $21043 / 1900$ 11e 5Z4QP 21024/2220/May 9e

UM8MAG 14069/0215/May 9m WOGGZ 14005/1320/May 10e VU2AR 14005/1330/May 7w VT2ARS 14042/1345/May 8w VU2IOC 14014/1350/May 8w VU2BK 21042/1530/May 10w ZCLIO 14040/2025/May 9e 2CliO $21025 / 2015 / \mathrm{May}$ 10w LXLIWF $14035 / 2130 /$ May $9 e$ LXXLGD 14002/0305/May 10e

4S7JD 14225/1505/May 13w 457EA 14225/1535/May 6w LXUAF $1420 \mathrm{~L} / 1400$ / May 13e\# 4236 nX 14201/0455/My 11w 5B4 DI 14250/0330/May 12m 8J9ITV 14265/0900/May 13m 9K2Ew 14225/0335/May 12m 9M2IW 14228/1625/May 8m 9M2LN 14205/1505/May 14w 9N1MM 14220/1510/May 11m

| WD9FCC | VQ9 21357/1815/8e |
| :---: | :---: |
| ZS12 | 14224/1415/May 13w\# |
| ZS2CI | 14203/1500/May 14w |
| ZS2TF | 14210/1350/May 12w\# |
| ZS3TP | 14207/1525/May 7w\# |
| 2S5BZ | 14219/1220/May 11w |
| ZS5PG | 14240/1430/May 13w |
| ZS6AK | 14210/1455/May 14w |
| 3P8DA | 14218/0315/May 12m |
| 3D6BL | 14222/1450/May 7m |

5E3FW 21345/2046/Mry 7e 5H3Ks $14220 / 1310 / \mathrm{May} 12 \mathrm{~m}$ 507 AD 14202/2035/May $7 e$ 5z4JE 14240/0400/May 90 7xakar 21307/1255/May 10 e 7X2LS 14206/2230/May 9m TX2DJ 14201/0410/May 9e 9L1CA 21338/1830/May 13nd

V1SI 14211/145/May 13w 9V1SW 14220/i440/May 14m 9V10K 14220/1415/May 13w 9V1TF $14242 / 1435 /$ May 13 w 9V1SR 14213/1440/May 14w 9V1TE 14225/1510/May 11w

## DX-Ten Years Back

and ZIDBE was expected the early part of June from解 1968 whs Mandalay Slim. FabAH was on most days on fifteen meters. was bus saying that the ZA1SB might be legitimate. HH9DL was being heard from Cap Hatien. RevillaGigedo operator with Don leaving in a month. $905 S K$ were being heard out of Burundi. KG6IJ was about to lose its

In the grey beginning of years，in the twilight of things that began
The word of the earth in the ears of the world，was it YI．．．．．was it Sam？

## EUROPE CW

CT2BO 14025／2210／May 12e DM3XBE 21002／1415／May 12w EA6DD 81007／1530／May 12w HA5BD 14023／0635／May 15w FAGBD 21042／1530／May 7e EI8H／GU 2101L／ $0000 / \mathrm{My} 7 \mathrm{e}$ EI8H／GU 14010／2240／My 14 e HI 万CZ $14013 / 2310$／May 10 m FC6ETR 14043／2125／May 9e GILTMS $14018 / 1425 /$ May 12 w GULEON 21026／1415／May 13w GD5ARL 14030／2215／May 8e GJ5CHS 14031／0030／May 8e HB9NL 21019／1800／May 6w FB9WZ 14018／1415／May 12w HB9AVZ 14011／1950／May $13 e$ HB6BLC 14028／2255／May 11e HG5A 21057／1930／May 14w

EUROPE：SSB
CTLED 14201／0030／MEy 9II EITJS 14345／1950／May $13 e$ EI5AK 14225／0350／Mey 7II EI9DD $21373 / 1350 /$ May 10 e EA6SA 14271／0550／May 8m FC2CI $21345 / 1545 / \mathrm{May}$ 13m GM3WBZ／LX $14226 / 004560$ GM3POR 21297／1755／May 8w GMLEQY 21408／1720／May 13m HV3SJ 21290／1705／May 13 m GM3JAW 14208／1755／May 11w ELSEWHERRES SSB
A35NW 14263／0500／May 8im C6ANZ 14210／2225／May 7e C21ITU 2128L／O420／May 13m CE9AT $14239 / 2325 / \mathrm{May}$ 11e CX8BF 21314／0110／May 11w DU1MEL $14254 / 1430 /$ May 14 w DU9FB 14216／1610／May 9w DU6FB 14280／1455／May 11w Kф 12 ／DJ2 14213／1030 7e DJ6BG 14227／1315／May 14e WA7U00／DU2 14227／1425．12w WAZWYR／CX 21416／1545 14e FO8DP 14203／0350／May 9e ELSEWHERES CW
CM1RG 14038／0630／May 8w CO2SM 14023／0105／May 12e DU1DL 14011／1700／May 13w DUGZRE 14042／1430／May 5w DU10R 14041／1350／May 14 m K9PNT／DU2 14033／1625 15w KøAX／DU2 14022／1155／13m FFK8CD 14033／1215／May 15e FK8C0 21039／0345／Mgy 14w

## LOW BAND LOUIE

C312H 7006／0530／May 7e CE3XV 7084／1045／May 10m Ea7AFA 7003／0505／May 9e natuk 7006／0525／May 7 e gatra $7003 / 0140 / \mathrm{May} 15 \mathrm{~m}$ F6EIT 7006／0410／May $7 e$ I7VIZ 7003／0455／May 9e


|  |  |
| :---: | :---: |
| IX1ZZQ | 14053／0555／May |
| ITDOW |  |
| IS¢KEPQ | 2107 |
| S1A0R | 21059／1540／May |
|  | 21037／1430／May |
| M1C | 14022／0140／May |
| ON | 14019／0620／May |
| оमø丁N | 21025／1830／May |
| Pa6AA | 14010／1920／May |
| SV1JG | 21030／2210／May |
| SK5AA | 14007／1730／May |
| SP2KAE | 21115／1815／May |
| SPLAWE | 14004／0310／May |
| SM6DYK | 14028／0550／May |
| SM5 BXP | 14053／0600／May |
| TAMB | 21016／1850／May |
| F350 | 21059／1900／Mey |

I7DZG $14202 / 2255 / \mathrm{May} 10 \mathrm{w}$ LG5LG 21251／2010／May 5e IX1TL 21362／1910／May 12e LZ2KPB 14201／0220／May 15 e M1D 14225／0645／May 8e OE2PJL $21279 / 1605 / \mathrm{Mgy}$ 10w OE2DOL 21281／1450／May 10w OERRIL $21228 / 1440 /$ May 10 w OE3SIN 14211／2010／May 11w OE5THOL 14206／0425／May 11w OHoNJ 14239／0525／May 7m OZ3CAW

FB8YF $14267 / 1110 /$ May $10 e$ HH2MC 14204／0530／May 7m KC6GF 14238／1100／May 11e KCGMM 14251／1355／Mey 6w KGG6SV 14224／1140／Mer 10e KG6RL $14237 / 1220 /$ May 11 II KG6JJK 14218／1205／May 11m KG6JHW 14213／1200／May 11e KG6JIH 14205／1100／May 12e KGG6GII 14240／1430／May 13w KSÓGV 14216／1300／May 7II WB700V／KJ6 14282／0520 14e EVLAA $14218 / 1145 /$ May $10 e$

UA2EL 14022／2005／ग12y 14e UA3PS 14034／0250／May 7e ta6IMI 14041／0240／May be DA3CCF 14031／0325／May $12 e$ UA1HM 14033／0335／May $12 e$ UB5 DAL 14037／0230／May Be UC20BR 14041／0420／May 10m JC2RE 21020／1910／May 6m UC20BP 14009／0330／May 14e UK2GDZ 14024／0345／May 10w UK1AAA 14034／0500／May $13 e$ UK2GAC 14009／0330／May 14 e UK10AP 14029／0230／May 7e UK2FAR 14019／1315／May 6w TKSMAF 21011／1525／May 10w UO5OEW 14036／0400／May 10m UP2BAV 14042／0230／May 150 UP2BAO 14002／0510／May $13 e$

OK3CAW 14205／0450／May 11w OZ5EV 14213／0035／May 11w OZ6YO 21292／1525／May 10w PAфRNO 21308／1725／May 6w SMGSHO 14202／1450／May 11w SP9ATD 21318／1520／Mgy 10w UA1CS 14240／0515／May 14w DA3DDI 14207／0425／May 11w UK1ZAA 21296／1550／May 10w UK5ED 14239／1940／May 13e UK2GIW 14225／2130／May ．6m UR2QA 14264／0315／Mav 7in
OX3FG 14208／0035／May 10 e P29CD 14204／1430／May 7II P29BL $14205 / 1055 / \mathrm{May}$ 11e TI2CF $14210 / 2330 / \mathrm{May} 9 \mathrm{~m}$ VK9NI 14221／1220／May 11m VK2AGT／LH 14219／0850 130 VK9XW 14215／1515／May 7m TO2AB 14213／0140／May Be VP1DB 14213／0400／May 11m VP1EI $14285 / 1315 /$ May 10 m VP2SAT $14227 / 1310 / \mathrm{May} 7 e$ VP2SQ 21297／1745／May $6 e$ VP5KK 21273／2020／May 8e
hatwe 21015／1350／May 7e FO8AYL 14083／0600／May 7w FGGED／FS7 14024／0225／15w सH2MC 14019／0230／May 13m HKDCBKX 14012／0310／May 13m HP9kBY 21051／1755／May 14e J3AJ 14015／0100／May 12 m KM6BI 14029／0310／May 10e KSL4AA 14014／0350／May 10e？？LK1F $21027 / 1710 /$ May 14 w

SP1KRU 7013／0255／May 7e UB5WH 7009／0200／May Be DA1AWO 7012／0205／May 8e UD6DKZ 7014／0125／May Be TYち＇ZI 7008／0230／May 7e ZILITR／A $7158 / 0845 / \mathrm{Mg} 13 \mathrm{e}$ दK2AV 7001／1245／May 11w

TF3KM 21051／1850／Hay 50 UP2CY $21043 / 1710 / \mathrm{May} 14 \mathrm{e}$ UQ2GDQ 14020／0455／May 136 UQ2GGB 14020／0450／May 14 e UR2QD 14006／2125／May $13 e$ UR2QI 14036／1930／May 14e urzan 14021／0320／Ma 10e UR2RGO 14028／0450／May 10 m UR2RGE 14033／0225／May 70 UTSRP 14018／1935／May $13 e$ UW3NP $14030 / 0315 /$ Mey $12 e$ YOLTV 14001／0310／May 12 m YOgYE 14038／0245／May 7e YURCDS 14050／0550／May 9w 3A2JH $14040 / 1535 /$ May $11 e$ 401ITU 14025／0100／May 12m 9H1FQ $21034 / 2130 /$ Nay $6 e$

UR2QA 14254／0315／MBy 6m VBSMDI 14211／0415／May 11w UY50Q 21347／1330／May 10e UW6CD $14272 / 0310 /$ May $7 e$ Y03AC 14226／0525／May 7II yU2IGG 14225／1940／May $13 e$ YO2RgG 14225／1945／May $13 e$ 9H1E0 14210／0245／May 12m 9H14M 14276／1945／May 13e

VRypJ 14205／1100／May 10e VRLBF 14210／1140／May 12e VX5XU $14234 / 1400 /$ May 13 w VR80 14210／1130／May 9e YJ8KW $14224 / 1145 / \mathrm{May}$ 10e YJ8SW 14224／1：15／May 11e YBd BR $14221 / 1535 /$ May 11m YB3AD 14200／1400／My 7w
 8R1R $14317 / 1510 /$ May 14 w WB5VCL／KH2 14245／1115 11e

HFøPOL 21020／1655／May 14W 8P6 \＃P 14013／0100／May 10m 8P6FX 14034／1145／May 15m 9M8HG 21031／1615／May 7e 9MBHG 14031／1215／May 11e

KA6AN 3801／1250／May 7w VK6aS 3689／1300／May 11w ZLLLR／A 3796／1030 13e ZKZ2AN $3502 / 1255 /$ May 11w 9MBHG $3797 / 1310 /$ May 12 w 9V1TE 3797／1255／May 8w

## CATHNDAR

COCOS KKBELING
St PEITHR AND PAUL ROCKS
FIERNANDO de NOROMHA
SAN FETUIX
TURKS \& CAICOS
DESECHEO
ICELAND
FAROES/ICEIAND
PACIFIC VELE
SAO THOME
BOUVET
MELIISH
CHRISTMMAS ISLAND
THEXAS VHF MEETING
ANDOPRA
DKPO 78

NORTHWEST IXX CONVENTION
SEANET CONVENTION
WGFOJs JA TOUR

VK9YS and VK9Y, to open next Wednesday, May 31st
PY1R0 \& Co.....all bands July 7th to 9th
PY7OD reported as there through this week
Good possibility for late this year....October ox November
WB2CHO there for the VHF Test... and before. Jun 6-13th
Watch for something this week. We're watching also! TTF6M in July
Scottish effort in late July and Augrast.
N6NB will try tropo ducting this summer. VHFers! PREPARE!!
DLCBS going in July for long stay
We still keep hearing: "September-Remember!!"
Late August. Getting rather definite
VR3AH on a re-mun of "I have retumed!!" Early June
August 4 th to 6 th in downtown Houston. K5RC for inio
PAs aiming to keep this one going....Jul 15 th to Aug 18 th
September in Iysons Cormers...... Sept $15 / 16$ th
June 18th....1-5p.m. Jig with the Palos Verdes Jiggers
Portland...August $5 / 6$ th At the Sheraton in Portland Singapore.....Nov 11-12th. See your travel agent
Nov 3-18th. Tour JA with Roy Ozawa.

JA TOUR The group is foming for Roy Ozawa's Japan tour for later this year and there is still space: open. Roy speaks fluent Japanese and will guide the tour through many of the JA-points of interest. The plans include meetings with JA DXers and DX clubs.
The trip will. travel to and from Japan via Pan American Airways. It has been noted that if you wânt to head out that way, such as contimuing onward to the SEANET convention, it is possible to make the trip to and from Japan with the group.
Write Roy Ozawa, Box 896, Los Gatos, Calif. 95030 if you are even thinking of the tour. This is a time when you can make the tour with some who will know what your are talking about when you mention DX.

## TS-820 OPERATORS!

## RF CLIPPING

INCREASE TALK POWER BY UP TO 6 DB IMPROVE SPEECH QUALITY REDUCE BACKGROUND PICKUP

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FULLY ILLUSTRATED, COMPLETE INSTRUCTIONS
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SOME SHORT NOMES PY, was talking with some YUs recently and $t_{1} s$ in tum had been talking with Mata, YolNZV on his return from Baghdad. The feeling is that the gituation will steadily improve and the downtown Baghdad station will have permiasion to work all bends eventually.

The YOs are anticipating to help with contest operations in up-coming DX tests. The YUs are definitely aware of the need to upgrade the gear and antenna and are working in that direction. Things will improve.
PY7APS was one of the operators back in May 1967 for PYøAPS on Fermando de N. He was PY7APS/ø in 1968. And Gerson still has the logs if you need a card. P.O. Box 12178, 20000 Rio de Janeiro RJ BRASIL.

TJ3JB says that they were still waiting for QSLs for their Flatey Island Aigust 1977 operation but they were expected early in May. This, TFl ${ }^{\text {F }}$ operation, and the delay in QSLs will not be encountered in the upcoming TFGM operation,....they have already printed the QSLs for the July effort. At this point the operation is $99 \%$ sure, some labor problems there in Iceland the only item which may cause a delay.
We ran into a problem with the QSL route for IT8JW. JAZCNT says he knows nothing about this one and has a big stack of QSL requests on hand. We checked around but could come up with nothing else on short notice. Until something definite shows, it would be best to withhold any cards from JAaCNT. And should someone have the true-blue route, we would like to hear it.

You may be hearing CT5 before long. The International Short Wave League Monitor quotes CT1DF with this information. Also, there is mention that CR9AJ may retum to Lisbon before too long.
W4JZZ advised K9MM that F6BAY was supposed to go to Crozet but ended up on Amsterdam instead. There he has put up a big antenna and is being heard with a big signal. At Crozet, the new operator found that FB8WE took the antenna with him when he finished his tour and the new operator will have to get an antenna up before he will be in business. The indicators are that he is not rushing to do this. You are not advised to hold your breath while waiting for Crozet to show.

INX to K1AA, W1JZ, W1VV, K2FL, W2FP, W2NC, W2LITJ, W2NC, N3ED, WALAKU, WLAAA, W4BV, WB4FDJ, WB4FOT,
 K5DJM, K5GZ, K5IF, W5JW, K50A, K50VC, K5VNJ/2, W6AM, WA6DNM, W6JD, N6JM, WGKPC, K6LAF, W6PT, W6PYV, W6TSQ, K6SSJ, K6UFT, WB6JJO, K6TOQ, K7EX, N7MW, WA70BH, N7JT, W7YR, W8GT, K8IP, W8JXM, K8MFO, K8RD, W9DH, K9MM, W9SS, KøBJ, WøBW, KøKES, WめNTD, WøZV, KH6BZFf HC5FF, ONLQJ, PY7APS.

WEST COAST DX BULLETTN Published every week by the Marin County DX Group. One of the Local QRPers was by last week and, in spite of the warm day, insisted on discussing the Mysteries of the Ages. "Tell me," this QRPer says with that always entrancing beady-eyed smile, "just what is meant by 'DX Is'. I hear many of the older DXers quoting it but few seem to understand or be able to explain it. What is it?" We groaned inwardly for, as most joggers know, the four minute mile is definitely attainable but hardiy to we more matured types. The explanation and understanding of the Eternal Fnigmas comes only to the Anointed Ones. It's amrival always marked by the clash of cymbals and the blare of massed trumpets. So we parried with a question of our own: "Those who understand," we aaked, "just what are their DXCC totals?" Quiciker than a wink the QRPer was back. "Why, most of tham appear to bo on the Honor Boll." he said and we nodded sagely. When you ace there" "we grandir advised, "you, too, will understand. Meanwhile, you have to be a Bellever. Be a Bellever and you will be Deadriving. Alwaye believe." It was obvious that the QRPer was thinking things over but was not convinced. "Put I don't understand," he complained, as we knew he might. Like the four-mimate mile, some thinga are only available to the anointed ones. And at this point we were grateful that the QrPer had not thought to ask how to be anointed. For there are levels of understanding and knowledge in DXing and you will know more in looking back than in looking ahead. Should you insist, the weekly look-ahead will come your way by second-class mail in the U.S. for $\$ 14.00$ for a full year. If you want to look finst-class, the word is flung to the VE/US/XE areas by first-class mail for $\$ 18.00$ a year. $\$ 20.00$ rattles the word out of the dawn to all the DX lands. Rattle it may but the way things are, the U.S. Postal Sarvice is aiming to rattle a bit more out of you come June.



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    By second-class mail, $\$ 14.00$ a year in the U.S. By first-class mail, $\$ 18.00$ a year to the VE/W/XE areas. $\$ 20.00$ per year for airmail to all the DX lands, all those beyond the dark mysteries of the night and into the red flame of tomorrow's dawn. A1 the way beyond the edje of tomorrow and back of vesterday
    

