
$\underset{\text { August }}{+}+{ }_{8,}+\frac{+}{1978}$
SOUTH SANDWICH A week or so back there was a note of IU3ZY, ON5NI noting that this station had been worked by a number of European stations back in May.
More is surfacing on this. Draring the W6TI DX information session recently; LUTDZ confirmed that LOUZY is for real and there will be more coming.
In a QSO with W6RGG, LU1DZ, Alberto Silva, said that there was a station to be cohstructed in the South Sandwich group and The Groupb de Argentina Radio Club would be sponscring amateur activity and would be handl.ing the QSLs. The installation in the group was indicated to be a permanent install tion.
There may be more developing on this. The indicators are that something may be coming and possibly later this year.
MELITSH REEF This operation has gotten to the point where they are listing the operating Irequencies and they promise to be working everyone come the end of September. In fact they are so sure of raising a storm of activity that they are a bit firm that they want but one QSO per band and no insurance contects. The thinking being is that there will be opportunity to work the DXpedition on a number of bands, one-sixty through six meters, and multiple contacts are not needed.
JA1KSO, Nobs Itoh, will be included in the group and at this point for sure there is listed WA8MOA, Robert Walsh; VK2BJm D.H Mead; VK2CK, James Powell, and JA1KSO. Some others are a possibility and more names may be added.

The group is departing Syrney September 21st or 22 nd. They will go to VKL where they will be joined by WA8MOA. Departure for Mellish will be September 25 th or 26 th with arrival the 29 th or 30 th . They will be traveling on a $35^{\prime}$ vessel, the name being the 'Banyandah'. The crew of the vessel includes an amateur who holds the call out of the Solomons, H44 $\sqrt{B}$. It is not anticipated that he will be operating from Mellish, however.
Gear will include a TS-820 with extermal VFO, a TS-520 with external VFO; a Yaesu FT-901MM and an TT-65 for six meters. The FT- 65 will pound out ten watts or so. They also have two Dentron Amplifiers plus an additional spare amplifier. The antennas will include a TH3 tribander plus one more tri-bander. They will rig dipoles" for the lower frequencies and will also have an 18AVQ.
Frequencies will be:

CW: | 1803 kc | 3503 kc | SSB: | 1803 kc |
| ---: | ---: | ---: | ---: |
| 7003 kc | 14025 kc | 3698 kc |  |
| 21015 kc | 28025 kc | 7087 kc | 14195 kc |
| 21295 kc | 28595 kc |  |  |

The six meter rig will operate at 52.01 mHz and when not in QSO will be giving a beacon signal
The group is aiming to document the operation, they axe aming for at least a thousand colored slides. They are angling for a video-tape camera but definitely will have two 8 mm and one 16 mm cameras.
Some support is needed for the group though no especial effort is being made to make this known. If you want to help, you might go via WA8MOA who will be part of the effort.
DESECEEO The WOrd is that the DXAC has voted to recommend Desecheo for DXCC country status but has again turned down Water Island. The poll has been forwarded to the ARRL and the next step, a decision by the Awards Committee, is expected within a week.
The KP4-group are going ahead with plans to put Desecheo on the air and the cumpent plan is for the group to open on Wednesday, August 30 th. They are planning a seven day operation, organized to give the maximum QSOs from this new one. The current plans call for them to operate four c.W. and four SSB stations simultaneously. More will come on this.
NEUTRAL ZONE Look for 8 Z 4 to come on Throrsday, August 10 th. This is late word and two calls signing / 8Z4 may be heard. Details are sketchy but be alert.

SUNSPOT LOUIE The active areas tapered off during the last week, the flux slid downhill and things treme a bit quieter than when massive Area 120s was around.
But this week things might change and a pertob of geomagnetic storms is expected ancund the 9 th or 10 hh of this week. The fluthas gotten down to around the 110 mark but keek an eye on it things are going up arain. $\longrightarrow$
Back in the fifties, the peak of Cyale 19, everyone was jumping for joy at the high swoothed sunspot number and some have said that those great days would never come again Now some are saying that next year in the peak of Cycle 21 that the high SSI numbers of Cycle 19 are likely to be topped.
Well we remember the pronoucements of sonie of the real old timers who have longed for the good old days. And especially one who lougly proy claimed that things are not as good as the once were and how back 'in those days, one could work all over the world on ten meters all pught long! !

It sounded good but later when we heard this long-haul DXer asking who had a callbook so he could get the address of a UA3, we began to wonder just how good they were and how wach of the ten
 meter ecstasy was imagination.
You will hear a lot of the good old days but at this point it may be that the good days are going to be next year. But rather than wait for 1979, how about the good days of August when the DXing is good. FLXXX is back at his south bank tomato patch after cavorting on the sands at Rehoboth Beach and he is ready to deliver the good words. And if things are good to you this week, wait for the ANs and HNs to come next week! Ted says it will be-

| August 8th | Above, dropping to | August 14th High Normal |
| ---: | :--- | ---: | :--- |
| 9 Low Normal | Low/Below Normal | 15 th Above Normal |
| 10th | Disturbed | 16 th Above Normal |
| 11th High Normal | 17 th Above/High Normal |  |
| 12 th Above Normal | 18 th High Normal |  |
| 13th High Normal |  |  |

There it is, all things being relative. But things are moving and with 1978 being a highwater mark for DXers, many are having trouble restraining themselves when they think of 1979.
Down in the border country K6EC is restrained, the flux has fallen. But Ev says it will go back up and he waits for the YI to get on a list so he can work the Suffering Sixes and Sevens. And for those whose charts need some figures, Ev says that you can run in=

Solar Flux Ap Index Solar Flux Ap Index

| JuII 24th | 115 | 5 | JuI 28 th | 107 | 10 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 25 th | 110 | 5 | 29 th | 106 | 6 |
| 26 th | 109 | 5 | 30 th | 106 | 3 |
| 27 th | 107 | 4 |  |  |  |

## CUSTOMIZED

 GREAT CIRCLE BEARINGS
## MADISON <br> ELECTRONICS SUPPLY, INC. <br> 1508 MEKINNEY <br> 713/458-0268 <br> HOUSTON, TEXAS 77002 <br> Nltes 713487.5883 <br> NEW! EXCITING! BREAKTHROUGH! DRAKE TR-7 TRANSCEIVER \& ACC.

```
TR.7
    00
TR.7 & DR-7 DIGITAL R/O
$1072.00
PS.7 POWER SUPPLY
    $166.00
```

```
CALL FOR QUOTES ON:
    YAESU
                KENWOOD
                                TS820S
        FT901 DM
        FT625
        TS520S
        FT225
            TR7400A
```

                ALDA, AMCOMM, ETO ALPHA
                TEMPO VHF ONE PLUS
    

ANTENNAS
Model OJA-146
TWO METER AMATEUR BAND 146-148MHz

- no ghound plane required
- USE FIXED, MOBILE, OR PORTABLE
- SdR GAIN OVER ISOTROPIC IN MOST MOBILE APPLICATIONS
- OVERALL LENGTH: LESS THAN Ba INCHES
- COLLAPSille to 22 inches. may be packed in suit. CASE FOR THOSE OUT-OF-TOWN TRIPS
- STEEL WHIP AND ADAPTER INCLUDED FOR MOBILE AND FIXED APPLICATIONS
- VSWA: LESS THAN t.2:1

PRICE $\$ 39.95$ ups Propald
220 MHz - $\$ 37.95450 \mathrm{MHz}$ - $\$ 37.95$ AMATEUR BEAMS-In slock-
FINCO A62 $6 / 2 \mathrm{~m}$
$\$ 61.00$ TELREX TB5 EM $\$ 415.00$ RIW $432 \cdot 18$ $\$ 49.95$

## CALL FOR FAST QUOTES

 SPECIAL ORDERS WELCOMETERMs: Alf prices FOB Houston. Prices subject to change without notice All Items Guaranteed. Some ltams sublect to prior sale. Send letterhead for Amateur dealers price llat. Texas residents add 5\% tax. Please add postage estimate.

MADISON FABULOUS FALL BUYS
Kbo: Antennas, Linears, Accessories All in Stock. Free balun whe meter base antenna
FINCO AMATEUR REAMS in Stock - Call! A52.6 and 2
$\qquad$
$2+2$ Horivyertical . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $8 \$ 7.50$
BIRD 43 Wattneter pius slugs, in stock, propaid freight.
BENCHER Keyor peridles in stock \$39.95; chrome \$48.05 YAESU

Fr-301D + Free FP301 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 9935
FT.301 + Free FP301 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5788
YAESU FT-801D series . . . . . . . . . . . . . . . . . . . . . . . . . . Call for Quot
TELE-TOWER: 40' w/breakover . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 8298
55' whbreakover . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3382
MCROWAVE MODULES MAT $432 \cdot 288$. . . . . . . . . . . . . . . . . . . . . . . 3259
F8FT TONNA antennas: 14416 el . . . . . . . . . . . . . . . . . . . . . . . . $\$ 55.95$ 9/19 OSCAR . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 53.00$

TECHNICAL BOOKS: ARRL, Sams, TAB, TI, Rider, Radio Pub.,
Callbook, Cowan, TEPABCO, may others . . . . . . . . . . . . . . . . . call
HAM $X$ ROTOR (New Modal) Turns 28 sq. it. of antenna. List \$325. In stock ..................................... Your Price $\$ 248$
CDE HAMF-111 ........................................................ $\$ 128.00$
SWAN METERS: WM 6200 VHF Watmeter . . . . . . . . . . . . . . . . 8.88 .05
SWR 3 Mobile . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 9.85$
TELEX HEADSETS: . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . In stock
CETRON 5728 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 27.95$ ea

ADEL nibbling tool, \$8.45; punch $\$ 3.50$
CASLE 5H2", 6 -strand, soft-drawn guy cable. For mast or light tower, $3 \uparrow$ foot.
BELDEN COAX CABLE: 9888 double shield RG8 foam coax, $100 \%$ braid, suitable for cirect bury 384 f1; 8237 AG8 216 It., 8214 RG8 foam 25elt., 8448 8-wire rotor cable 16 ft., 821072 ohm kw twinhead $\$ 18100$ fl., 8235 300 ohm kw twinlead $\$ 12 / 100 \mathrm{ft}$., Amphenol PL-259, silverplated $59 *$, UG175 adapter 19, PL-258 dbi famale \$1.00. BNC female chassis mount 59 ea.;
BELDEN 14 gauge cop. stranded antenna wire . . . . . . . . . $\$ 5 / 100 \mathrm{ft}$.
TIMES $1_{2}$ " foam hardine 60elft. . . . . . . . . . . . . . connectore $\$ 1508$. 7/8" Foam Hardline 1.50 it. Connectors . . . . . . . . . . . . . . . $\$ 25.00$ 8a.
KESTER SOLDER $1 \mathrm{lb} .60 / 40$. . 062 . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 6.50$
LEADER - GDM LDM815 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 889.85
MALLORY 2.5A1000 PIV epoxy diode . . . . . . . . . . . . . . . . . . . . . 18 . 8 .
.001 MFD 20 KV CAP . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.85$
GE recelving tubes . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $50 \%$ olf Hit
GE6148B,8950 ....................................................... . . $\$ 7.95$ ©8.
SWAN 750CW + Froe PSU-3 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5875
THIS MONTH'S SPECIAL
KENWOOD TR7500A
$\$ 249$
16 ELEMENTS - F9FT - 144 MHz


## SWR

$144 / 146 \mathrm{MHz}$
17.8 dBi

Wh 1.2 .1
50 ohms
length 6.4 m . Side lobe attenuation 60 dB
Horizontal aperture $2 \times 16^{\circ}(-3 \mathrm{~dB})$
Vertical aperture $2 \times 17^{\circ}(-3 \mathrm{~dB})$
\$55.95

AUTHORIZED DEALER
$\sqrt{\text { hf engineering }}$
Makers of the World's Most Complete Line of VHF.FM Equipment

MORE SHORTLY NOIED Robin, D68AD, will be on one-sixty this month. He says he will be listening for the elusive $W / K s$. Robin advises $W 1 A B$ that he often is on 80 c.w. from 0300 Z for a half-hour or so and hears the $\mathrm{W} / \mathrm{Ks}$ in local QSOs and apparently not hearing the available DX.
FG7AS put another hundred QSLs into the mail a week back and says he will dump about 500 in when he comes to the states later this month to visit in the Boston area. Sam says he may be slow but he will QSL 100\%!
The normal route for a TF3CW QSL is via K1RH. However, for the recent TFFM, these go direct to Sigey and not to his QSL Manager. The address to use for a TF6M QSL is: Sigurdur Jakobsson, Hrunbair 100, 110 Reykjavik, Iceland. This is a new QTH and for a TTF6M QSL, send two TRCs and sae.
K6XP has a couple hundred IRCs he will reluctantly part with for $30 \phi$ each.... Bob wants cash or money order plus a sase. This amount will not last long. W7OK is now handling the QSIs for VR3AR on Christmas Islands. Sase or Sae/IRC needed.
A35NW is back in New Zealand and K8MN is still waiting for the logs to arrive. If you hunger for an A35NW QSL, practice your patience. YN1Z has been showing right on the edge of forty at 7001 kc from 0100Z.... he may not hang around long but does show often. W3FDP was KC6WS back in 1971 and sent out a bunch of xeroxed QSLs. Bill says he has something a bit more substantial for those who want to keep their QSL collection at the highest standards. Bill also notes that he worked VKø户M by F'2JD back in February 1971 but this one was not acceptable.
On the YI1BGD, some have wondered how the lists are prepared. Often these are taken by OE6FEG, or his helpers, after YI1BGD goes QRT and the list is for the following week. QSLs for YI1BGD going to Box 5864, Baghdad, are producing quick returns. On the DA1FG/OH $\phi$ heard last week, and probably again this week, this one goes to: Box 395, APO New York 09611. DA1GR and DA1GF are ex-KA6RI and KA6YI. You might also have heard them from the OJø-operation. OE5CA/YK on several times a week after 050 CZ and usually below 14030 kc . Signal not especially strong but the operator is good.
FRR7BV often heard goes to....michel Di Orio, LEPP, Route des Makes, 97450 Saint Louis, Reunion Island. He is running a FT-277B with a tribander and is often on twenty SSB. FRTBN heard on fifteen C.w. goes to Box 184, Le Port, Reunion Island 97420. N7MW lost most of his gear when lightning struck on July 10 th. Took out the house wiring to boot.
$4 A A F R$ heard recently, goes to Box 642 , Saltillo, Mexico. Said he was doing propagation studies. Says to send 1 IRC for QSL. D4CBS says that he will be in Sao Thome in the latter part of September and will stay for about three months. Manuel says that he will work both CW and SSB.
New officers of the Sheboygan County DX Assn are:

| George Menart | K9GM | President | Donna Menart | WB9ZBE | Activities |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Marvin Bartz | WgMYG | Vice-prex | Art Pahr | K9XJ | Secty/Treas |

## READY TO SQRVE CAUTFORNIA HANS

## In stocle:

 YAESU, ICOM, DRAKE, DENTRON, TEN-TEC,TEMPO, CUSHCRAFT, HY GAIN, CDE, WILSON and more!Same day shipment Most items
Prepaid shipment (orders overs 100 , UPS only)
Telephone for a competitive quide Ask for Dale W7GAB or Mike N7ML MASTERCHARGE AND VISA ACCEPTED

CARTBBEAN Alex Kasevich, W1CDC, was signing PJ8USA from Sint Maarten last week and you might catch him from one of the VP2s this week. Until the 20 th he will be at one or another of the islands and the possibilities include VP2E-Anguilla, VP2MBC-Montserrat and even Antigua or Guadeloupe axe possibilities.
He was being worked from Sint Maarten at or close to 14025 kc after 02002. QSLs go to home QIT.
FCC MOVES!! The San Francisco FCC office recently released the following. It should be interesting to the Deserving:
Comencing on June 20, 1978, numerous Amateur Radio operators in the San Francisco Bay Area intercepted radio traffic on 14332 kHz from W6GSM/ mm, a maritime mobile station installed on the sailing vessel "Summer Breeze". According to information supplied by the amateurs, the vessel was en route from San Francisco to Honolulu and the radio operator, identifying as 'Tim', was requesting phone patches to his place of business in Santa Clara, Calif. The amateur radio operators became suspicious of the signal because of certain operating characteristics and notified the San Francisco office of the FCC.
The Honolulu District office of the FCC was contacted and asked to investigate. The Engineer in Charge reported that the owner of the vessel was at the Honolulu Yacht Club and verified that a crew member by the name of 'Tim' had brought an amateur radio transmitter on board before departing San Francisco. The owner said he was unaware that the station was being operated illegally and furnished information on the identity of 'Tim'.
On July 20th officials from the San Francisco FCC office visited the business office of Timothy Joseph Wenger of Santa Clara, Calif., and advised him of the consequences of operation of radio transmitting equipment without the required FCC radio station or operator license: Mr. Wenger stated he had read about the use of Amateur Radio trasmitters in a popular yachting ragazine and formed radio communications on amateur frequencies was more 'dependable'. He was unaware of the criminal penalties involved. In view of Mr. Wenger's cooperative attitude, no recommendation will be made toward criminal prosecution.
That is the essence of the FCC release. It might be noted that a search of the latest Call Book or the supplements does not list W6GSM as having been issued.
SOMATIA It is reported that 601FG is authorized to operate on one frequency only and this may be a clue to why Paul is always at the same spot. He may go to Italy for a couple of weeks but will be returning to Somalia.
601FG has been running a rig giving out about 100 watts and this into a dipole. At home he does like c.w. but during the initial operating period, the permission was for 14205 kc and for English only.
QSLs from I2MQP should be ready in a couple more weeks, maybe even September.
DODECANESE This one always is difficult and SV1JG is currently being heard. Often just above 14200 kc after 1500 Z and again in the same area after 0400Z, QSLs go to Box 564, Athens, Greece. This is the address of the Mediterranean SV QSL Bureau but that is the route being given.

WEST COAST DX BULLEPTN Second class entry and postage paid at the San Rafael, Calif. Post Office. Published weekly by the Maxin County DX Group at 77 Coleman Drive, San Rafael, Calif. 94901
By second-class mail (newspaper treatment) to the U.S. $\$ 15.00$ a year. By firstclass mail, to the $\mathrm{XE} / \mathrm{VE}$ areas and the far APOs, $\$ 19.00$ a year. $\$ 20.00$ slams it far down the curve of the night to all the DX lands...........

SHORTLY NOTED We always find 'needed lists' interesting and suspect that more than a few DXers do, especially when they find they have some of the 'needed'. Recently the VE 'Canad-X' ran their most wanted list and we pulled off the top ones to show what the deserving VE needs.

1. 8Z4-Neutral
2. VP8-South Sandwich
3. Iraq-YI
4. BY-China
5. 3Y-Bouvet
6. SY-Mt Athos
VS9K-Kamaran
SpratIy

| 9. | VUL-Laccadives (?) XZ-Burma |
| :---: | :---: |
| 11. | 7 J 1 RL |
|  | Geyser |
| 13. | Albania |
| 14. | Abu-Ail |
| 15. | Juan de Nova |
|  | South Yemen |

15. Bhutan
Crozet
Cambodia
Southern Sudan
16. VUT-Andamans (?)
17. Qatar
VK9-Cocos/Keeling
VKপ-Heard.

We may have read the VUs wrong and they may be transposed.
Rick Dorsch, HC5EE, will be home in Michigan during August and is looking for some SSTV gear to take back to Ecuador. If anyone has some used SSTV and looking for a sale, drop a line to Rick at 1745 Oakstone Dr., Rochester, Mich 48063. Include details and asking price.
SVØWTT has a new ICOM 701. He wants his QSLs sent to him at Box 722, APO New York 09223 and no where else. That is Charles Jackson and wants other routes including the CB listing ignored. Send to the above address.

Bob Avigor says that the $4 \times 3 \varnothing C D$ noted early in July working c.w. is Middle East Slim. No $4 X 4 C D$ license has been issued says Bob, $4 X 4 C J$. Slim has been showing in a number of places recently and this includes phone operation from ZA. Usually a c.w. operator, Slim has been heard signing ZA1AB and aA2RPM on twenty SSB. OH2MM, named as the QSL font by one of the ZAs, says that he knows nothing about this one. Slim has also been heard from Tuvalu. There was someone calling CQORG on twenty c.w. but this was a puzale. European operators note that the time has come for a change in crews at the USSR outpost on Franz Josef and the hope is that UK1PAA will be active in the coming months. KA1NG on Minami-Torishima (Marcus) will be there for a year. The PYø-St Peter and Paul Rocks started slowly but finished strong. QSLs for PYфRO and PWøPP go to W1DA, George Hitz, 37 Easy Street, Sudbury, Mass 01776. George wants sase or Sae/IRC.

From PYøR0 One-Sixty was not easy. A handful were worked and these include G3SZA, EI8H, EI9J, GD4BEG, PAdHIP, W8LRT, W1BB, K1PBW, W4BRB and N4EA. The W/Ks were worked on the 26 th which was about the last chance they could get for this one.

K2QXS will be down in the Lesser Antilles later this month and will open from St Martin on August 19 th for five days or so signing $F \phi E Q Q / F S 7$. On the 24 th Bill will move onto Guadeloupe for some FG7 operations. QSI to his home QTH.

On the up-coming San Felix operation, the operation is getting solid and permission to land for the CHDX-group there in the Pacific is rather definite. However, there is some study being given to the dates and this may be moved. Study is being given to whether the operation wants to get mixed into the CQ WW October Phone Test. There will be more coming on this. The operation seems definite, the dates at this time are not...

DXPO 78

September 16th - 17th Tyson's Corner, Virginia Near Washington, D.C. Right off \#495
At the Ramada, Inn. National Capitol DX Assn wants a.ll the DXers to come to another great DXPO. Saturday aftemoon and Sunday moming.. pure DX!
Write Dick Vincent, K3AO, Rt 1, Bx 230, Bryantown, Maryland 20617 for info


Devoted Exclusively $T_{0}$ amstrur Padio 2811 Telegraph are Oakland Ca. 94609 (415) 763-6262

No more list prices

whe accest are-1964 dines, quartersat halves at 3-times
face value towardo your purchases 1 N
n New thours: TUES-FRI IOAM-6PM+SAT. IOAM-5PM Closed: Sunamon. 73, Doug-W6HUN On'78

COLOMBIA COAX CABLE

ELECTRUSPACE

KLM

RG-58A/U SUPERFLEX. 10/FT RG-8A SUPERFLEX
. 20/FT UMEGA-T
8 CUND. ROTUR CABLE. 12/FT 18" RG58 JUMPERS
1.99 12' RG58 " $\quad 3.29$ 3' RGช " 2.99 CLIFFURD PUWER SUPPLIES XR IUAMP REG. 49.99 XXXR 25AMP RéG. 119.00 CUWAN BUOKS
RT'TY A-Z
3.99

AinT. RUUNDUP 2.50
CURTIS ELEC. KEYERS
IK-44UA INSTRUC'I 199. EK-430 105. 8043 Crilp $\quad 12.50$ 8043-3 CHIP/BOARD 20.99 8043-4 KiT W/PArTS 44.99 CUSHCRAFT
ARX-2 RINGO
29.00

ARX-220 29.00

Aiz-220
A449VPK
A432-20T
1144-20T
A144-10T
A-14TMB $\quad 14.99$
DENTRON
DA LUUBLET ANT. $\quad 21.00$ MT-2000 169.00 MLA-1200 AiviPL. $\quad 339.00$ AC-1200 AC PS 135.00 16U-10AI ANT TUN 110.00 Digital Cuncepts
24 HOUR DIGITAL CLOCkS
19.95

DRAKE
UV-3 144 FM $\quad 499.00$
PS-3 AC PS $\quad 75.00$
I'R4CW W/R」T TCV $\mathbf{6 2 9 . 0 0}$
MS4 SPKR
\$28.00
MN-7 ANT TUNER 145.00 MN-2000 ANT TUNR 215.00 TV-42LP Lx FIL. 11.99
TV-300HP HI PASS 7.99 34PinB NUíSe BLR 85.00 6JB6 FINALS $9.00 / \mathrm{PR}$
DX ENGINELRING
RF SPEECH PRUCESSOR
FUR DRAKE IR4C 99.00
ELECTROSPACE
HV-3 VERTICAL , 119.00
160M CUIL 29.00

2000C COMBINER 199.00
TET-OI NOISE BR. 29.00 FRANKLIN 24HR CLUCKS
8" ROUND 13.99

12" ROUND
15.99

GILFER
WORLD RADIU HBK 9.99
GULDLINE
I KW DUMMY LOAU 19.99
HAMCO CW pADDLES
SCUTIA
CARSUN
HAM RADIU
SSB HANDBOUK
2ND UP
HY-GAIN ANTENNAS
105BA 5EL 10M 89.00
TH6DXX 6EL TRI 215.00
TH3MKIII 3EL TRI 169.00
204BA 4EL 20M 159.00
TH2MKIII 2EL TRI 118.00
$153 \mathrm{BA} 3 \mathrm{EL} \mathrm{15M} \quad 65.00$
DB10915A 3ELIO15 125.00
14AVQ 10-40 VER'T 57.00
18AVT 10-80 VERT 79.99
3FT MOBILE MAST 13.99
5FT " " 15.99
GU'TTER CLIPS $\quad 1.99$
QUICK DISCONNECT 5.99
HD LIGHTNING ARR. 33.00
BNC RUBBER $\mu U C K \quad 6.99$
PL259 RUBBER DUCK 4.99
3806 CRYSTALS EA 4.50
ICUM
$\overline{\text { RM-2 REMU'LE PRUG. } 159.00 ~}$
IC-211
649.00

IC-701 DISP. UNIT W/PS
(ONE ONLY) 1299.00
IC3PE PS) $22 \mathrm{~S} / 245$ ) 65.00
K.E. ELEC'TRUNIC KEYERS

SQ AUTO W/O KEY 39.00
T-7 40M TRAPS 18.50
UB8U-40 TRAP DUUB. 34.99
CW-70 70FT WIKE $\quad 2.99$
UB-1 1:1 2KW BAL 10.99
UB-4 4:1 2KW BAL 10.99

## KLM

144-148-16C
144.148-11EL 2M 39.99

42U-470-2 MAT TRA 19.99
7.0-7.3-1 40M DIP 59.00

PA2-25B 2M AMPL 59.99

EAIO-40B 2M AMpL 69.99 PA10-70CL 450 AMPL 199.99 LARSEN
5/8 MAG MOUNT 2M 32.00
$5 / 8$ HOLE " $2 \mathrm{M} \quad 24.99$
MAGNADYNE TUPS SLIDE MUUNi. EA. . 50
MiJJ SHIDE MUUN LA. . 50
I2VUC POWER SUPPLY 19.99
NEWTRONICS
4BTV IU-40 VER'I $\quad 75.00$
RM-80S 80M MUB COLL 19.99
Rii-75S 75M " " 19.99
Rivi-75 " " 10.99
MU-1 MAs'T 17.99
GCM-1 GUTTER WIUUNT 4.99
$\frac{\text { NPC PUWER SUPPLIES DC }}{104 \mathrm{R} \text { 6AMP }} 29.00$
108RA 12AMP 49.00

109RA 20AMr 65.00
109RM 20AMP W/METER 75.00
NYE
PHUNE PATCH 29.00
PIPO PP2K 16 BUTTUN
TUUCH TUNE PAv/OSC. 55.00
RH ENGINEERING
DIGITAL DISPL. R4C 133.00
SUPEREX
APS-11 DELUXE PHONES 24.99
CUM-11 14.99
BUUM MICS MFB3 15.99
TELCU FRE(UUENCY COUNTERS
CUUNT 500 TO 500 MHZ 119.00
COUNT 40 TO 4UMHZ 89.00
TEN-TEC
509 ARGONAUT 310.00
570 CENTURY $21 \quad 255.00$
276 CALIB. 24.99
1170 CIRC. BKIR 7.99
$208 \quad 25.99$
KRIA KEYER 29.99
KR-2A KEYER PADULE 14.99
252M AC PS 20^MP REG109.00
TRI-EX 5FT MASTS $2^{\prime \prime} 19.99$
TURNER PLUS 2 MIC 24.99
WILSUN WR-IOUO ROI'ATUR
w/IUOFT CABLE
329.00

## USED:

COLLINS KWM-2 w/PM2 599.99 TEKTRUNIX $545 \mathrm{~W} / \mathrm{CA} 399.00$ SIGNAL-UNE CX-7B W/CW FILTER SPARE NEW TUBE, K6BE MUDS
CLEAN EXC. CUND. 995.00
ALL ITEMS ARE CASH AND CARRY - LIMITED TO STOCK ON HAND ONLY * * * * * * * * PRICE AND AVAILABILITY OF ALL ITEMS SUBJECT TO CHANGE WITHOUT NUTICE-THANK YOU:


TI2LA 28602/2145/JuI 18m TGSNW 28546/2235/Jul 30m VR3AK 28610/0000/Jul 23m VKLNE 28540/2145/Jul 26e

| YNTR | 28589/1930/JuI 30m |
| :---: | :---: |
| YVLEF | 28596/1930/Juz 30m |
| ZE1DF | 28609/1600/Jul 27 e |
| 5W1AX | 28570/2245/JvI 26 |

YV4EF $28596 / 1930 / \mathrm{JuI}$ 30II
5W1AX 28570/2245/Jul 26

| 2E1FW | $14037 / 14037 / 1105 / \mathrm{JuI}$ |
| :--- | :--- |
| 2E1FN | $14025 \mathrm{e} \mathrm{\#}$ |
| 2DTWI | $21039 / 1410 / \mathrm{JuI}$ |
| 28w\# |  |
| 3D6AF | $14020 / 1245 / \mathrm{JuI}$ |
| 26e |  |
| 5R8AI | $14060 / 1350 / \mathrm{JuI}$ |
| 29m |  |


| ZS6RA | 21268/1715/Jul 25 e |
| :---: | :---: |
| $3 \mathrm{B6DA}$ | 14220/0420/Jul 28 e |
| 306BL | 14215/1430/Jul 30w |
| 5 H 3 KS | 14227/1300/Jul 30m |
| 5N2DF | 21296/2100/Jul 26m |
| 5H3KS | 21310/1500/Jul 23 m |
| 524PW | 21282/1930/Jul 22e |
| 5Z4JE | 213i6/2030/Jul 23m |


| 601N | 14210/1400/Juz 29w |
| :---: | :---: |
| 601FG | 14205/0015/Jul 28 |
| P8BC | 14220/1425/Jul 29 |
| 7 P 8 BH | 21401/1700/Jul 25e |
| 7X2zM | 14214/0345/Jul 27e |
| 9L1CA | 14295/0015/Jul 23e |
| OL1.JM | 14209/1915/Jul 24 m |
| 9 X 5 NH | 14238/2200/Jul 29 |

UI8AP 14042/0200/JuI 26e UI8FAK 14004/1705/Jul 25w OJ8AC 14019/0050/Jul 25e UK7YAB 14046/0115/Jul 26e UK8JAA 14045/2330/Jul 25e गКбКАН $14087 / 1230 / \mathrm{Jul} 28 \mathrm{e}$ UKфBAA 14031/1120/Jul 20e ULGGBP 14013/1140/Jul 27 e U.7JG 21023/0310/Jul 28w TM8NAJ 14025/1720/Jul 25w UMBMAQ 21024/1400/JuI 24 e UVOEN 14028/1115/Jul 20e vu2AB 21037/1935/Jul 28e VU2TS $14023 / 1210 / J u 128$ I

DJT6SI/OH申 14025/1520 30w OFilda 21051/9325/JuI 29w TF3CW 21041/0000/Jul 28m UA2FDK 14010/1230/Jul 25m UA3IAR 14013/0230/Jul 27e DA6FJ 21053/1350/JuI 24e UASFCZ 14018/0245/Jul 25m UB5MFY 14013/0250/Jul 26e UB5BAZ 21016/1810/JuI 27e णC20CB 14030/0245/Jul 28m 005GX 14008/2035/Jul 26m DO50DF 14018/0420/Jul 26 e U05AP 14029/0345/JuI 30w UP2BAV 14025/0340/Jul 22w UP2PCN 14022/0245/Jul 27e UK2BAS 14019/0500/Jul 25w
TAPHTL 14036/0045/Jul 26 e
TS6BA 14025/1535/JuI 29w
VS6CK 14012/1510/JuI 30w
4S7EC 14025/1130/Jul 24 e
4Z4SG 14022/0035/JuI 25 e
LZLIG 14050/2350/Jul 25 e
9M2FK 14026/1130/Jul 24 e
9K2DR 14001/0325/Jul 25m

SUWWTIT 14002/0430/Jul 25w SVQwTT 21024/1745/Jul 30w GM3TOR/TT 14027/0215 28m UK6AAJ 21010/1530/JuI 25 e UK5VAA 21025/1545/JuI 25e UQ2BGJ 14022/0610/JuI 26w UR2RSA 14024/0405/Jul 26w UW3ZK 21019/1955/JuI 28e UT5YZ 21023/1540/Jul 25e YO8BMQ 14053/0355/Jul 27w YU1BCD 14027/0245/Jul 29w DKTAH/3A 21008/2015 26e 9H1BD 21022/1600/Jul 27w 9H1CH 21025/1620/Jul 30w 9H1FA 21020/1945/Jul 28e 4ण1IITU 14035/0030/Jul 29w

|  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MORE RED EYHD IOUIE |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | The Ho Mostly | Hor Roll＇s glory y in your mind．．．． | 1ways |  |  |  |  |  |
| ASIA SSE |  |  |  |  |  |  |  |  |
| A6XB 21325／1555／Jul 28m | HS 1 BW | 14203／1600／Jul 25w | TS6EG | 14225／1455／JuI |  | 5 BLYL | 14222／0015／Jul | 27m |
| A51PN 14253／1130／Jul 30m | HSTWR | 14211／1505／Jul 27w | VSGAK | 14205／1405／Jul |  | 5 BL DI | 14250／1220／JuI | $22 \theta$ |
| A9XBD 14211／255／Jul 28e | JJ1WIX | 14209／1915／Jul 25 e | VS6DP | 14202／1530／JuI | 29w | 5BLGS | 21333／2025／Jul | 200 |
| AP2MQ 14212／0145／Jul 24 m | JगTAN | 14225／1440／Jul 27w | VS6CW | 14222／1500／JuI | 27m | 4 XH 4 AS | 14211／0520／Jul | 26w |
| AP2TM 14223／1545／Jul 31w | JI3ZIE | 14228／0410／Jul 23 m | ．VU2BX | 21290／1900／JuI | 24 e | 9K2FX | 21302／1515／Jul | 28m |
| BV2B 14218／1220／Jul 26m | JY9VK | 21300／2000／Jul 20e | VU2GGZ | 14202／1220／JuI |  | 9V10K | 14213／1355／Jul | 28w |
| CR9AJ 14225／1515／Jul 25w | KA1NC | 14333／1325／JuI 266 | VJ2YI | 14222／1220／JuI | 28m | 9V1TF | 14242／1355／Jul | 29w |
| EP2II 21272／2225／Jul 22e | OD5CN | 14281／0440／Jul 25 m | OESAK／Y | IK 21316／2020 | 27m | 9V1NR | 14241／1450／Jul | 25w |
| EPPMQ 14222／0240／Jul 28m | UK9AAN | 21295／0520／Jul 23w | YIIBDG | 14308／0030\％／Jul | 29 e | 9V1TE | 14225／1430／Jul | 30w |
| HL9TII 14266／1225／Jul 23e | UF6VAA | 14227／0200／Aug 3e | 4S7JD | 14209／1220／JuI | 29 m | 9V1T | 21355／1830／JuI | 20 e |
| EUROPE SSB |  |  |  |  |  |  |  |  |
| C31NT 14227／0330／Jul 26m | FC9UC 14205／0635／JuI 21w |  | LZ1DE 14215／0400／Jul 20im＊ |  |  | SV1CB | 21284／2035／Jul 22e |  |
| C31QG 21279／2225／Jul 28e | F\％CH／EC | 21276／1615／J1 29e | L22Ex | 14228／0305／Jul |  | SV1CS | 14201／0600／Jul | 29w |
| C31QR 21303／1800／Jul 23e | GI3YMT | 14227／0355／Jul 27w | OF2LU | 14244／0515／JuI | 28w | TA1HY | 14213／0045／JuI | 28m |
| C310C 14208／0015／Jul 26 e | GMBSV | 14332／1330／Jul 26e | OHøNA | 14203／0410／Jul | 25 e | TA1ZB | 14213／0045／Ju1 | 29m |
| C31F0 21276／1655／Jul 25e | GW4OH | 21311／1930／Jul 28w | DA1FG／0 | О边 14280／0545 | 31w | UC20AV | 14211／0310／JuI | $26 e$ |
| C31KY 14213／0415／Jval 28e | CW3COH | 21270／1725／Jul 24w | OK1IA | 14263／0410／Jul | 27w | UK2GDZ | 21322／2235／JuJ． | $22 e$ |
| CT1DF 21280／0035／Jol 22w | CW30．JB | 21298／1830／Ju7 21w | OK3KAG | 21279／1950／Jul | 28w | UK12AA | 14204／0330／JuI | 27w |
| CT4FU 21273／0040／Jul 28w | GW5XN | 14206／0420／Jul 27w | OK1AWZ | 14238／0520／JuI |  | Z A 1 AB | 14215／0215／JuI | 23m？？？ |
| DMM ${ }^{\text {JM }}$ 14210／0455／Jul 27w | HA6NW | 14210／2015／Jul 17e | ON4EB | 14269／0415／Jul | 27w | ZA2RPT | 14231／0315／JuI | 23e？？？ |
| DT4UCO 14207／0235／Jul 26w | OE2VEL／ | HBO 14219／0020 26e | ON4UN | 14213／0555／JuI | 29w | 9H4M | 14252／2100／Ju工 | 25m |
| THA6EU 21340／2210／Jul 21m | IsøUSU | 14261／0415／Jul 26m | 0Z8HZ | 14222／0455／Jul |  | 9H1FG | 21315／2200／Jul | 30 m |
| EI6CR 21303／2220／Jul 27e | ISøWIA | 14226／2220／JuI 20w | SP8IMA | 21277／1235／JuI | 29 e | 9H1ES | 21334／2215／JuI | 29m |
| ELSEWHERES CW |  |  |  |  |  |  |  |  |
| CEWAE 14025／0450／Jul 26w | HEVPOL 14029／1400／Jul 28w |  | P29BL | 14023／1230／Jul 31w |  | ZP5NW | 21029／0115／Jul | 31w |
| CE¢AE $21014 / 2250 / J u l ~ 21 w ~$ | Hh丩KM | 14026／1100／JuI 27e | PJ2PP | 14023／1350／JuI | 27w | $2 W 5 \mathrm{NW}$ | $21034 / 1535 / \mathrm{Jul}$ | $\begin{aligned} & \text { 57w } \\ & 27 e \end{aligned}$ |
| CQORG 14023／0540／Jul 26w？？ | HICø BISX | 21037／1515／JuI 27e | PJ8USA | 14026／0330／Ju＿ | 30w | $4 \times 1 G$ | $14020 / 1235 / J u 1$ | $\begin{aligned} & 27 e \\ & 23 \mathrm{~m} \end{aligned}$ |
| DU6EGG 14041／0750／Jul 23 e | J3AT | 14008／0150／Jul 26e | TI2REV | 21041／2150／JuI | 25w | 4K1GM | $21028 / 1435 / \mathrm{JuI}$ | 23w |
| DU60R 14040／1245／Jul 25w | KJ6BZ | 14027／1045／Jul 28e | VP1DX | 14031／1255／Jul | 29w | $4 \times 1 \mathrm{~A}$ | $14029 / 1430 / \mathrm{Jul}$ | 22w |
| FOめAKV 14029／0400／Jul 26 e | KLTMF | 14023／1345／Jul 26 e | VP1碞 | 21030／1415／Jul | 29w | $8 \mathrm{R} 1 \mathrm{~J}$ | 21020/2110/JuI | 23w |
| FOØAKV 21004／0205／Jul $23 e$ FYCEOL 21009／1415／Jul 29w | LSLMAN LU2WM | $14010 / 2350 / \mathrm{Jul}$ 25e | VS5AM | 14006／1335／Jul | 29w | 8P6GD | 14008／0200／JuI | 25w |
| FFYBF 21012／1730／Jul 27 e | LU2WM | $14012 / 2300 / \mathrm{Jul} 24 \mathrm{~m}$ $14006 / 0715 / \mathrm{Jul} 28 \mathrm{w}$ | YS1WPE | $14006 / 1215 / \mathrm{JuI}$ $14011 / 0525 / \mathrm{JuI}$ | 23m | 8P6FX | 14040／1335／JuI | 27w |
| HC2AO 14012／1235／Jul 25 w | P29JS 1 | 14005／1110／JuI 25m | ZF2BXX | 14022／1135／JuI |  | 9 YHVO | 14028／1250／JuI <br> $14009 / 0140 / \mathrm{Jul}$ | $22 m$ |
| \＃TSEWHERES SSB－． |  |  |  |  |  |  |  |  |
| A35CR 14240／0600／JuI 23w | ［ $\mathrm{H}_{4} \mathrm{KM}$ | 14194／1210／Jul 25 m | KX6BU | 14276／1110／Jul 26e |  | VK7CK | 21312／0415／Jul 28w |  |
| $\text { C®9AT } 21334 / 1645 / \mathrm{JuI} 29 \mathrm{e}$ | HC7DR | 21353／1830／Jul 23 w | KX6LR | 14276／1240／Jul | 29\％ | VR1AF | $14205 / 0235 / 5 u 1$ | 28W |
| CEDAE 14285\％0650／Jul 23e | HH2YL | 14204／0405／Jul 24w | OX3RA | 14265／0610／JuI | 28w | VR3AR | 14195/0320/JuI | 24 m |
| CG31PR 14206／0115／Jul 29m C02FA 14215／0520／Jט7 27w | KC6MM | 14255／1145／JuI 28m | P29BB | $14220 / 1450 / \mathrm{Jul}$ | 30w | VS5nX | $14240 / 1510 / \mathrm{JuI}$ | 21m |
| $\begin{array}{ll}\text { CO2FA } & 14215 / 0520 / J u l ~ \\ \text { DU1MAG } & 14225 / 1140 / J u l ~ \\ \text { 28e }\end{array}$ | KC66G | 14286／1130／JuI 26 e | P29EN | 14270／1200／Jul | $25 e$ | YJ8KW | $14218 / 1220 / J u I$ | $26 m$ |
| K¢AX／DU2 14212／1355／Jul 29w | KGL4HC | c6 14219／140 $14225 / 1350 / J u 2$ 26w | P29］P | $14224 / 1115 / \mathrm{Jul}$ $14223 / 1140 / \mathrm{Jul}$ | 26e | YB4PG | 14201／1345／Jul | 27m 26 w |
| FFK8CN 14217／0645／Jul 23 e | KG6GKO | $14336 / 1330 / J u 726 e$ | P29JS | 14205／1320／Jul | 21m | $2 \mathrm{ZK} 1 \mathrm{CX}$ | $21351 / 0000 / \mathrm{Jul}$ | 26w |
| FK8CR $14253 / 0625 / \mathrm{Jul}^{\text {FK8CU }}$ 23W | KH6ITID／K | KG6 $14333 / 123026 e$ | P29JS | $21276 / 1205 /$ Jul | 298 | 5W1RN | 14306／1220／Jul | $\begin{aligned} & 51 m \\ & 23 m \end{aligned}$ |
| FPB8YF $14270 / 1130 / \mathrm{Jul} 20 \mathrm{~m}$ | WB4KRT／ | KG6 14313／1115 26e $14215 / 1205 / \mathrm{Jul} 23 \mathrm{~m}$ | P29MM | 14214／1150／Jul |  | 5W1BD | 21310／0335／JuI | 28w |
| FOdARV 14210／0305／Jul 24w | KM6FD 1 | $\begin{array}{ll}\text { 14278／1015／Jul } & \text { 23m }\end{array}$ | VK9ZM VP1RS | $\begin{aligned} & 14279 / 1200 / \mathrm{Jul} \\ & 14203 / 1635 / \mathrm{Jul} \end{aligned}$ |  | WB6MID／ | 8R3 21355／1700 | 21w |
| H4LDG 14214／1055／Jul 23 m | KX6BQ 1 | 14224／1310／Jul 23 e | VP2SQ | 21300／1650／JuI |  |  |  |  |

## LOW BAND LOUTE

|  | 3795／0410／Jul 26e |  | 7009／0435／Jul 26w |
| :---: | :---: | :---: | :---: |
| DJ8KC | 3795／0240／Ju工 25 e | FPDAM | 7087／0540／Jul |
| ON4TN | 3795／0420／Jul 2le | FOфARV | 7006／0530／Jul 26 e |
| ON6DK | 3795／0405／Jul 26e | HA5NS | 7006／0305／Jul 22e |
| VK2ASR | 3528／1330／JuI 26w | M1C | 7006／0300／Jul 22 m |
| YBøADI | 3806／0520／Jul 28w | LZ2CT | 7018／0050／JuI 23e |
| 9Y4NP | 3795／0355／Jul 26e | PYQRO | $7003 / 0115 / \mathrm{Jul} 25$ |

PW\＆PP 7004／0000／Jul 26e PYøMAG 7003／0340／Jul 21e GM3YOR／OY 7011／0345 21e SKK5AA 7010／0110／Jul 23 e SVdWTIT 7002／0315／Jul 22e UA6HEU 7006／0105／JuI $24 e$ UQ2GFM 7018／0130／Jul 22e

UT5RB 7039／0125／Jul 22e VP2DD 7004／0210／Jul 22e VR8KC 7004／0520／Jul 2lm？？ YU2CAX 7002／0045／Jul $22 e$ YU3TEI 7002／0050／Jul 22e
（ $\epsilon=$ eastern states $m=$ middle states $w=$ western reaches，etc，all times in gmt \＃＝long path）
（？？？＝Slim．．．．last week heard from Tirana to Tuvalu．Even on SSB！！Always a good DXer．．．．．poor QSLer）

## CALBNDAR

SOUTHERRN SUDAN
MELLISH
SATSP MARTIN
GUADRLOUPE
ANGUILILA
KERMEDEC
SAN FEELIX
St LUCIA
NAVASSA
SOMALIA
IRAQ
ANDORRA
MONACO
HONG KONG
BOUVET
SOUTH SANJWICH
MARCUS
DODECANESE
W9DXCC MEEMING
EXPO 78
CANADA-US ITEST
FUROPFAN DX TEST
AIL ASIA CW TEST
CQ WW PHONE TTEST
CQ WW CW IEST

K5YY aiming to open STわ about August $22 n d$
VK9ZR from September 29 th for ten days
FDEQQ/FS7 by K2QXS from Aug 19th
FG7 action by K2QXS from about August 24 th
VP2FEKK from September lst
ZL2BJU/K until the middle of August...
The project is solid, the date being studied....
VP2LBE in the October CQ WW Phone period
Late November. The $\phi$-group ready to go...
601 FG back in Italy but will retum
Keep hoping! Ont regulaxly but signal not up....yet.
Plenty of C31s being heard during August
DKs active until mid-August
VS6HK for two weeks from September 10th
At the tum of the year......keep watching
LUs indicate something developing.....
KA1NC on Minami-Toroshima for a year
SV1JG there now....says he will be for a couple more weeks
Sept 9th in downtow Arlington Hts nr Chicago...KgKM for info
Sept 16/17th in downtown Tysons Corners.... K3AO for info
Phone....Augrist 19th. CW......August 20th
This weekend for c.W......August $12 / 13$ th
August $26 / 27$ th
October 28/29th
November $25 / 26$ th

MORE SHORT NOTES On that recent VP1-Belize effort by the Tunnel Radio Club on the last weekend of July, QSLs go to....

Phil Vitrano VB4TNC
40 NW 189th Terrace, Miemi, Fla 33169
Those wanting to check whether they are in the 601FG log might catch I2MQP at 21366 kHz or 14250 kHz to run a verification. Paul brought the logs back to Italy with him.

The DX Club of Puerto Rico have applied for a KP5 prefix for the Desecheo Island operation. The call may be KPLAM/KPS....and keep listening. The club would like some letters to the FCC supporting the request. The decision on the DXAC vote"should surface soon.

TIME magazine in their August 8th issue had an intensive article on lobbying in Washington and what it takes to get legislation moving or government regulations affected these days. With the ARRI waffling on the Washington Representative, it would be informative to read this article. The side-tones will affect your amateur activity for sure.


ARRI. A reciprocal agreement has been signed between Greece and the United States. This agreement was effective July 5 th and if you are going on a trip to Greece, the ARRL"s International Services will furnish information on operating.

CLIPPMRTON QSLs These are being received from both BEgNX in Switzerland and from Charlea Signer, WAgINK, in Dee Rlaines, Illinois, he hardiling there the ones that were sent to World Radio.
As of mid-July Kurt, HB9MX, had processed over 5000 of the Clipperton QSLs. The size of the QSL is giving problems yet and even a second printing was still slightly oversize. This has slowed the processing as about $10 \%$ have to have a new envelope written to contain the QSL, card, the envelope sent being too small.
There are about 20,000 , maybe a few more, QSL requests on hand and you might be able to figure what it will take to process them. Kurt and his XYL are working on them at every opportunity but it will take time.
Charles Signer, WA9INK, is also putting the Clipperton QSLs into the mails though he also has a way to go. You will note that Charles has added the logo of the Northem California DX Foundation to the cards he is handling, this inadvertently being oyerlooked in the printing in Europe. The foundation was a rajor financial supporter of the Clipperton effort.
 W400, WBLTPU, W4TF, NLWW, NLKX, W4ZR, K5AQ, W5CPI, K5DB, W5DD, K5DUT, KSGL, W5JW, W5YH, K6ARE, WA6CPP, KB6CR, KGDT, KGEC, NGEM, WAGFIT, NGJM, WGKPC, WGMI, N60B, WAGPJR, WGPN, WGPT, WGIA, AAGPY, WAGTLA,




WEST COAST DX BULLETTN Published every week by the Marin County DX Group. One of the local QRPers was up the hill last week and this one was needing to discuss some of the Eternal Mysteries. The topio this time was why DXers are different.... and better. "I've been thinking," this QRPer says, "and it not just enough to acknowledge that there are the self-evident truths. One must know the 'why' in addition to the 'what'." We just sat there, nerיously nodding our head for there are some things that need not be learned a second time. The QRPer leaned close and we braced ourselves. "Each of us is all the sums he has not counted, "the QFieer said, "subtract us into nakedness and night again" and you shall see begin in Crete four thousand years ago the DX we missed yesterdey on fifteen." Son of a Gun! This was a profund one and all we could do was nod our head. But it was obvious that he was waiting for our corment and we were lost. Finally we said: "And why do you figure that DXers are different?" The QRPer smiled. "Because somewheres along the way we DXers trok a different path. A different path and today we DXers are different. Understand?" We admitted that we did but we really did nots For there are many things that are hard to underatand and many of these are the QRPers. Where once the emateur sought the remoteness of the 'shack' to work DX, now he presides over the DX Salon. Where once the radio supply house had the jumbled appearance of an oversized junkbox, now it is the Amateur Radio Botique. And where once the young and freah stood with their mouths open in awe of the 01d Timers, now they want all the introspective pnalysis of 'Why?'. And worse of all, they ask questions we old timers have trouble in answering. All we really need is to have that QRPer come back with more explanations of 'DX Is!" These are onerous times and maybe it's the sunspots. But while we wait for the DX to come and hope it is not one of therlocal QRPers knocking; $\$ 15.00$ will bring you a full year of the incomprehensible and a little DX News by second class mail in the U.S. First class mail, to the $\mathrm{VE} / \mathrm{XE}$ and the far APOs, is $\$ 19.00$ a year. To all the $D X$ lands, $\$ 20.00$ rattles the word down the long path and into yesterday by airmail for $\$ 20.00$....

