

WEST COAST DX BULLETIN



January 23, 1979

4-79

LACCADIVES Most everyone probably knows that the Bangalore Radio Club did go to the Laccadives but were not allowed to land, having to return back to India.

The reasons for the refusal are not quite clear at this distance, the results were quite evident when the expected VULARC failed to show. Further developments came in the middle of last week when there was evidence that the Bangalore Radio Clubs authorization to operate from the Laccadives as well as another permit, were cancelled by New Delhi.

There is hope that something may develop in the next month or so but this might be a rather forlorn hope. Apparently something developed to cause a change in the attitudes on the operations from the Laccadives and it may take some time to settle.

Some of the groups originally interested in the islands operations are still trying to sort things out and still want to put the Laccadives on the air. However, it may be some time before things start falling into place. For now, there does not seem to be any immediate possibility.

AVES The Caribbean trip planned by members of the Venezuela Radio Club is aimed at the period from April 7th to 14th. The plans have not been firmed at this time because they have not received the needed final word from the Venezuelan Navy on transportation.

The call will be YV0AAA, the one used in previous Aves efforts by the Venezuela Radio Club. They will be operating split at—

CW	1.8mHz	3525kHz	7025kHz	14025kHz	21025kHz	28025kHz
SSB	1.8mHz	3775kHz	7085kHz	14195kHz	21295kHz	28495 and 28595kHz

The group is also thinking of activity on six and two meters, the above frequencies being the intended frequencies and they may shift slight for QRM.

There will be more information coming on this as things get a bit more solid. Planning is well along and the transportation being the remaining big problem to get nailed down.

MALDIVES Carl Henson, C5ABC, and Martha Henson, C5AAF, will be in the Maldives and Sri Lanka early month, planning to start with two or three days of activity from 4S7 and then about ten days from the Maldives.

Carl, who also has the call WB4ZNH and has a home base at Jonesboro, Georgia, says the plan is to open from 4S7 about February 6th. After a couple of days, they will move to 8Q6 for the balance of their operations which they expect to run up to close to February 20th.

No frequencies are available at this time but the operations will be split frequency. Until other information comes, figure to QSL to Carl's home QTH at 8280 Chestnut Drive, Jonesboro, Georgia 30236. Martha, experienced in DX action, will be active in the operations at both stops. The callsign is not yet known for either stop, the dates are rather well set.

BOUVET Some activity continues though the reports, rumors and inside straights are changing almost daily. In other words, what looks right this week probably will be changed by next week.

14029kHz around 0030Z seems to be a good watching area, the station showing there a couple times last week for a brief run. Often impatience is being expressed over the short operations but consideration must be given to the fact that generally the Norwegians on Bouvet are scientists with assigned duties taking much of their time. The reports that two operators are on the island seems to be firm, and that the crew staying there until late February totals five.

3Y5DQ during the repair stop in Capetown gave out the operating times for the initial activity. The station was on the air during the following times only and any contacts outside these periods were you know whom!

28 December	0545Z to 0700Z	2130Z to 2345Z
29/30 December	2140Z to 0235Z	
30/31 December	2100Z to 0110Z	
1/2 January	2115Z to 0030Z	
3/4 January	2210Z to 0130Z	

If you worked something inside these time spans, you can relax...slightly. There were about 600 contacts made during the days listed, about 200 W/Ks.

SUNSPOT LOUIE Things are getting so good that even the Palos Verdes Sundancers are getting weary from capering about in endless joy. And what can one run up in the way of superlatives that has not been said before.....only more of the same and more is coming your way. There are sunspots everywhere, the flux is up and DXers are wallowing in almost boundless DX. Except that there are always a few elusive ones but they will be there tomorrow morning on the long path.

Everyone is talking about the sunspots these days....if the children are a problem, it must be the sunspots! They are up you know. The winter storms take out the power lines. "Can't do anything much about it, you know. There are a lot of sunspots around and you know how they are taking things apart".

But every true-blue DXer knows that the sunspots bring the Great Days of DXing and without them we would be listening to the dead bands as we once did. When most everyone else is casting aside the sunspots as something troublesome, gather them in quickly for you need them. And maybe even more.

And N4XX who is always looking for a good deal in band conditions, says that though it may be winter there on the south bank of the Potomac, he feels Spring in his heart as he again shovels the snow from the walks, and watches for the first blue crocus to bloom in the snow. And while he searches for the blue one, Ted says that the ground hog will emerge to find things looking a bit better, maybe a bit of LNs and HNs and hard ANs around but they are coming. Meanwhile, Ted says to watch for....

Jan 23rd	High/Low N.	Feb 1st	Low Normal
24th	High Normal	2nd	High/Low N.
25th	High/Low N.		
26th	High/Low N.		
27th	Low Normal		
28th	High Normal		
29th	High Normal		
30th	Low Normal		
31st	Low/Below N.		

There is, all things being relative and keep in mind that it means relatively good, relatively better and relatively superb. DXers deserve the best.

And down in the border country, K6EC keeps the tornado watch while he listens to WWV, all the time saying that even once in awhile is too much. But it was not the flux that Ev was thinking of, there is never too much of that. And as he works to keep the figures over the 200 mark, he says that you can work your charts over by putting in—

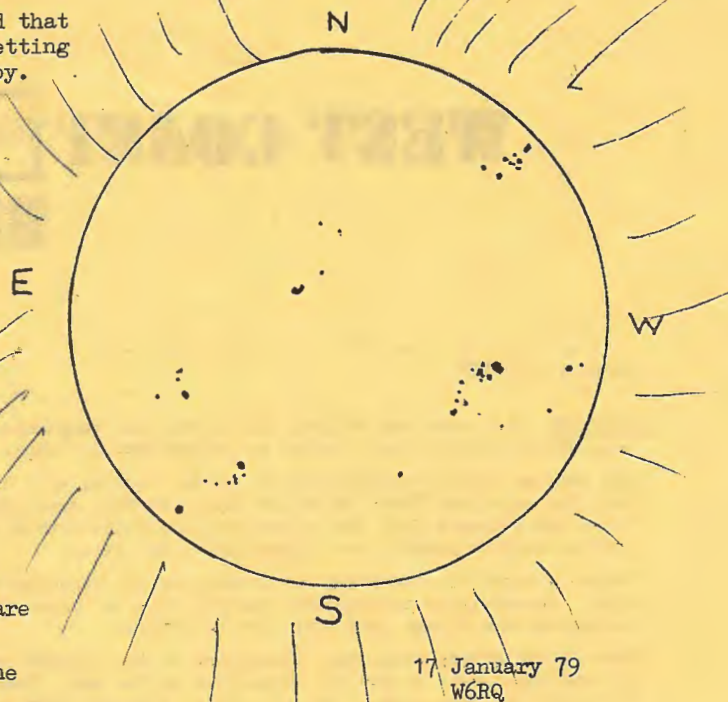
Solar Flux Ap Index

Jan 8th	207	6
9th	200	12
10th	193	6
11th	185	4

Solar Flux Ap Index

Jan 12th	181	7
13th	201	6
14th	214	7

Almost made it but not quite. One of these days all the figures will be over 200 and then the work will be to get the flux down low.



No. 1492	26 spots
S17° W71°	500 millionths
No. 1494	7 spots
N18° W87°	300 millionths
No. 1496	12 spots
N17° W47°	130 millionths
No. 1499	1 spot
S08° W34°	10 millionths
No. 1502	40 spots
N16° W28°	370 millionths
No. 1504	1 spot
S27° W01°	260 millionths
No. 1505	2 spots
N27° W08°	20 millionths
No. 1506	20 spots
S23° W19°	170 millionths
No. 1507	25 spots
S22° E06°	170 millionths
No. 1512	6 spots
S29° W14°	20 millionths
No. 1514	4 spots
N10° E43°	150 millionths
No. 1515	6 spots
N15° W11°	40 millionths
No. 1516	2 spots
S13° W00°	10 millionths

15 January 1979
KH6BZF

TUNISIA 3V8AA has been showing, this one apparently a true-blue type and running ten watts of power. The operator is Ashid and runs a controlled list operation. If you think you can get in and avoid the list, you can change your mind.

The station has been reported at 7006kHz at 2300Z, at 28001kHz at 1600Z and apparently there is something doing at 21300kHz around 1430Z. Other frequencies such as 14025kHz have been mentioned. 21300kHz at 1400Z may be where the lists are made up.

IS/LYN is the QSL route and apparently in on the operation. The list is passed prior to the activity. We should have more on this one soon.

AFGHANISTAN OZ1CRH, Masood Khan, has completed the initial paper work for his trip to Pakistan and Afghanistan and is optimistic on getting YA-permission to operate. Some results should be coming on his applications before long, possibly in early February.

Masood (Sudi) will be in AP-Pakistan from March 15th to May 30th, the call there possibly AP2LJ. He will have split frequency capability, a GP antenna, ten through eighty capabilities with a KW linear and QSLs will go to WA8AJG.

Though YA-Afghanistan has not been heard for a number of years, Sudi is cautiously optimistic on the possibility and is pushing for the permission to operate. Over half of those returning lists in the recent needed poll were looking for YA-land.

THE ITALIAN DESK I1PL was once a big signal out of Italy but has not been heard from for a quarter-century. He has returned to the action with the new call I0XXR and some of the elderly type DXers might come across him again working c.w. He was the one who first put M1-San Marino on the air. Years back W1FH sent Chas a Signal Shifter for the San Marino operation.....he still has it. Now don't start asking what a Signal Shifter is.....

James Thatcher, W6KJR, recently was a Visiting Professor at the University of Pisa. Wandering around, he spotted a quad and knocked on the door. In the course of talking with the local there in Pisa, W6KJR mentioned that his father was K6EC. The local smiled in recognition. "Oh, I know him," the local said, "I read the West Coast DX Bulletin and K6EC does the WWV reports."

Son of a Gun!

JOHNSTON ISLAND It is a bit hard for some to believe but some of the Pacific Islands that once were readily available are getting scarce. Wake Island for instance. And some are looking for Johnston Island, the KJ6s not being available as they once were.

KH3AA has been caught on twenty c.w.....14044kHz at 0300Z. Beyond that activity report, we have no further information. There are a number of KJ6/KH3s listed in the call book but the feeling is that most of these have moved onwards.

NEEDED COUNTRIES While we think of some that used to be common, there are also a good handful that have not been heard since at least 1975 and some a lot longer than that. Bob Locher, W9KNI, notes that the Elusive List does contain these.....

BY-China
CE/X-San Felix
TL-Central African Republic
TN-Congo Republic
VK/-Heard Island
VU-Laccadives
XZ-Burma
YA-Afghanistan

ZA-Albania
3C/-Annobon
3X-Republic of Guinea
701-South Yemen
70-Kamaron
70-J!Bal Afair
1S-Spratly

Now that we've run the list, the odds are that one or more will be heard within the week. True blue? True-Blue Slim, you betcha!!

WEST COAST DX BULLETIN Second Class entry and postage paid at the San Rafael, California Post Office. Published weekly by the Marin County DX Group at 77 Coleman Drive, San Rafael, Calif. 94901 (USPS 090 570)

Subscription rates supplied on request. Previously published rates are not valid. Within the lower forty-eight, only second-class, (newspaper) new subscriptions accepted.

SHORTLY NOTED This issue took a bit of printing, we ran the press four days to get the whole thing together. That may explain some things.

On the 3V8AA mentioned elsewhere. There is only forty and ten meter capabilities so that should narrow down the hunting area.

When the Local QRP'er came up with the discovery of Jameson's Irish Whiskey a few issues back, some may have wondered. You can stop. EI7H who works a lot of c.w. is a Grand-Nephew of Marconi.

The Isle of Man will have its 1000th anniversary this year and from June 30th to July 8th you will hear the prefix 'GT'. Many of the locals there around that time are planning to put a 'GT' prefix on the air.

9H1E (ex-ZB1E) passed away the first week of January, he just having passed his 79th birthday. Though not active in recent years, many will be remembering the ZB1E call and working him in other years.

SV0WTT is looking for WAZ Zones 1-2-3 on eighty meters. Charles shows two or three times a week on the low end of forty or eighty and likes c.w.

That HB7 prefix is to make note of the 50th Anniversary of the USKA, the Swiss Group. VK9XW often on a list operation...list taken around 14250kHz, QSOs around 14261kHz. Try Monday/Wednesday/Friday for the list about 2230Z and the station is showing around 2300Z. These are not exact but should be close.

3D6AC at Siteki in Swaziland is showing Sundays around 1800Z at 28480kHz looking for the VEs and at 1830Z at 28550Z for the W/Ks. If the conditions are not good, look for him at 21300Z. He makes up his own list, apparently at random, then runs it through briskly.

R-100-0 Award is available, W6TSQ sporting one recently. If you want to get the instructions, Oblast lists and work sheets, \$1.00 will bring the package from W10X. Three IRCs along with sae will also do the trick. And on the IRCs, N0TG is moving a thousand or so to the first-comers. 30¢ each in bundles of thirty or additional increments of ten. Enclose sase plus 30¢....send to Randy Rowe, N0TG, 3237 Connecticut Drive, St Charles, Missouri 63301. Work is going on the cards for the Navassa operation and they hope to have them all cleared by the end of February.

VK9ZR-Mellish cards are being received. VK2BJL got some help from a crew of locals and is cutting into the piles. 6W8HL on twenty SSB seems to come mostly speaking French. J28AY QSLs to SP 85038, Djibouti....or REF.....or F6ETO. That's what he says.

601FG should be on the air soon, about the tenth of February. Giampaolo Forti, I2FGP, will be there for about a month, working a lot of c.w. and some SSB and we will have more information next week. KP4KK is packing to head for VQ9-Chagos and expects to be heard from Diego Garcia starting in March. TF3CW has so much difficulty with QRMing that he went to a list operation with W9NSO running things. The lists are usually taken just before TF3CW comes on the air. You might check 21320kHz at 1630Z or 14280kHz at 2015kHz. TF3CW QSLs to K1RH. FP0DI by VE1DI should come the first of February for about three weeks of action.

At this point, we've run out of space, have notes stuck all over the place
The situation is getting desperate.

Why don't you join them?

NEW-

Boxed TS-520s \$575.00 (sealed cartons) NEW-IC-701ac, mike \$1399.00 (sealed carton)
NEW Telrex beams in original sealed cartons 10% off Sealed TS-820S--\$988.00

Some Amateurs have found a way to save money
on gear. Why not you? For instance--

CE 100V \$295.00 each (2 on hand - Clean!)

ALPHA 77 160-10mtrs \$1695.00

ALPHA 76 160-10mtrs \$995.00 (Late model)

WB5USV 1604 Crabb River Road Richmond, Texas 77469

THE 1978 NEEDED COUNTRY SURVEY

Over 700 U.S. Amateurs responded in the 1978 WCDXB Needed Country Poll. Their responses are the basis for the following statistics. The KH6s and VEs will be listed in subsequent charts.

The heavy response brought the total DXCC score lower than in previous years and the old timer with 340 countries confirmed is less evident in this poll. In the responses, the Sixes with 137 returns and the Fours with 111 were dominant. For the Threes, only 28 responded, this being the least for any call area. The Seventh Call-Area with an average DXCC score of 255 had the least number of high achievers returning the poll, the W7 results show in the high percentages needing all the rare countries.

From comparison with the Sixes, it appears basically to bias the % listings but otherwise not to affect the rankings very much. A list of two-letter calls was made to see if there was a visible effect of the two-letter calls in the ranks. This turned up large variations in the index but with no solid evidence that holding an extra class license tended to raise the scores. The 44% extra-class licenses in the poll returns does imply that the DXer is serious technically and takes the extra class privileges as an important asset for DXing.

There is evidence of the importance of the WA certificate. Practically everyone with a DXCC total in the 180 to 200 total has the WAZ. Practically no one under 160 country-total has it....yet.

Regional variations are very obvious. The 7J1RL operation created an instant rarity, it being the top needed one in the W2 call area, within the top ten in seven of the call areas but ranked as #57 in the W6 call-area. This continues to be regarded by many as an unbalancing factor and an unfair impediment to the Honor Roll for some but not for all.

The careful and thoughtful work of many people went into these lists and their effort and time is much appreciated.

Art Westneat W1AM

RESPONDANT STATISTICS - USA Continental Call Areas

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W0	Total/Average
DXCC Totals	274.5	272.7	262.1	268.1	266.1	274.5	255.1	275.6	271.6	259.3	268.6 countries
Two-Letter Calls	55%	40%	32%	38%	56%	39%	59%	45%	51%	37%	44%
WAZ	67%	55%	57%	63%	59%	64%	69%	76%	76%	59%	65%
Responses/Number	64	47	28	111	63	137	51	49	74	63	679 responses

1978 NEEDED COUNTRY LIST.....U.S. Call Areas

Rank	W1	W2	W3	W4	W5	W6	W7	W8	W9	W0
1	3Y-Bouvet 85%	7J-Okino T. 91%	XZ-Burma 92	BY-China 90%	3Y-Bouvet 82%	3Y-Bouvet 83%	8Z-Neut.92%	BY-China 93	BY-China 86%	3Y-Bouvet 84%
2	BY-China 85	1S-Spratly 85	VK0-Heard 89	3Y-Bouvet 88	BY-China 82	8Z-Neutra 81	SY-Atho 92	8Z-Neut. 91	8Z-Neut 85	8Z-Neut. 81
3	7J-Okino 85	BY-China 80	3Y-Bouvet 89	1S-Spratly 85	ZA-Albania 82	VS9Kamaram 81	ZA-Alban90	3Y-Bouvet 89	3Y-Bouv. 83	BY-China 84
4	1S-Spratly 84	XZ-Burma 80	BY-China 85	VK0-Heard 84	8Z-Neutra 79	Abu Ail 80	3Y-Bouv. 88	XZ-Burma 87	VS9Kamar. 78	ZA-Alban 80
5	VS9Kamaram 81	VS9Kamaram 80	1S-Spratly 85	VS9Kamaram 84	VS9Kamaram 79	ZA-Albania 78	VS9Kam. 88	1S-Sprat 87	1S-Sprat 77	1S-Sprat 79
6	A51-Bhutan 78	3Y-Bouvet 76	7J1-Okino 82	XZ-Burma 83	VU-Lacca 77	SY-Mt.Ath. 75	Abu Ail 84	VS9Kamar. 85	ZA-Alban. 75	YI-Iraq 76
7	XZ-Burma 78	VK0-Heard 76	VS9Kamar. 78	8Z-Neutra 78	7J1-Okino 77	BY-China 72	BY-China 82	ZA-Alban. 77	XZ-Burma 74	7J1-Okino 74
8	8Z-Neutra 76	8Z-Neutra 74	VU-Lacca. 78	7J1-Okino 77	XZ-Burma 76	VS9-SoYem. 71	XZ-Burma 82	VK0-Heard 75	VK0-Heard 74	XZ-Burma 74
9	VK0-Heard 73	VU-Lacca 74	Abu Ail 78	ZA-Albania 73	Abu Ail 74	YI-Iraq 70	YI-Iraq 76	VU-Lacca 75	VS9-SoYem 68	VK0-Hrd 74
10	VU-Lacca. 68	XU-Cambodia 70	FR8W-Crozet 78	VK0-Heard 73	TN-Congo 64	TN-Congo 64	VU-Lacca 66	VS9SoYem 74	7J1Okino 67	SY-Mt. Ath 74
11	VS9-SoYemen 65	ZA-Albania 68	8Z-Neutra 75	VU-Lacca. 69	SY-Mt. Ath 73	VU-Lacca 60	VS9SoYem 74	A7-Qatar 73	VU-Lacca 66	VS9Kamar 66
12	XU-Cambodia 65	Abu Ail 68	VS9SoYemen 75	VU-Andaman 68	Annobon 71	Malpelo 60	60-Somal 74	7J1Okino 73	Abu Ail 66	VU-Lacca 66
13	ZA-Albania 64	FB8W-Crozet 68	TN-Congo 75	A51-Bhutan 66	1S-Sprat 69	XZ-Burma 59	TN-Congo 70	FB8W-Croz 71	A51-Bhut. 66	AbuAil 66
14	Abu Ail 62	A51-Bhutan 65	A7-Qatar 75	Annobon 66	A51-Bhut. 66	60-Somali 59	A7-Qatar 70	XU-Cambod 69	XU-Camb. 66	VS9SoYem 66
15	FB8W-Croz 62	VU-Andamans 63	TL-CentAfr 75	VS9SoYemen 65	XU-Cambod 65	A7-Qatar 59	3X-Guin. 70	VU-Andam 67	Geyser 64	XU-Camb 64
16	TN-Congo 60	VS9-SoYemen 61	ZA-Albania 71	FB8W-Croz 65	VS9SoYem 63	VK0-Heard 56	VK0-Hrd 68	Abu Ail 65	FB8W-Croz 62	So.Sand. 62
17	Annobon 60	Annobon 61	Annobon 71	Abu Ail 63	A7-Qatar 63	SoSandwich 56	Annobon 68	A51-Bhut 65	A7-Qatar 60	TN-Congo 60
18	VU-Andaman 60	FR7Glorios 59	XU-Cambodia 71	TN-Congo 63	TN-Congo 61	Geyser 56	TL-CentA68	TN-Congo 63	Annobon 60	A7-Qatar 60
19	CE0-San Fel 57	SY-Mt Athos 57	VU-Andaman 71	TL-CentAfr 63	3X-Guinea 61	Annobon 54	FR7-Glor 68	Annobon 63	YI-Iraq 59	A51Bhut. 59
20	Geyser 57	Bangladesh 53	60-Somali 67	A7-Qatar 62	YI-Iraq 60	TT-Chad 54	A6United 56	3X-Guin. 63	TN-Congo 59	Annobon 59
21	So Sandwich 56	So Georgia 53	Geyser 67	Mt Athos 62	FB8W-Croz 60	FB8W-Croz 52	1S-Sprat 64	TL-CentAfr 61	60-Somali 56	FB8W-Croz 56
22	Bangladesh 56	60-Somali 51	A51-Bhutan 67	Geyser 58	VU-Andaman 60	A51-Bhutan 52	A51-Bhut 64	SoGeorgia 55	Andamans 56	60-Somali 56
23	A7-Qatar 54	TN-Congo 51	YA-Afghanis 67	FR7-Glor 58	TL-CentAfr 58	FR7-Glor 52	Malpelo 64	MtAthos 53	MtAthos 53	TL-CentA 53
24	Mt Athos 53	A7-Qatar 51	Mt Athos 64	San Felix 57	FR7-Glor 58	TL-CentAfr 51	FB8W-Croz 60	FR7-Glor 53	3X-Guinea 54	Andamans 54
25	TL-CentAfr. 53	3X-Guinea 51	Bangladesh 60	Viet Nam 57	Franz Joe 57	3X-Guinea 48	TT-Chad 60	San Felix 53	Bangladesh 52	4W-Yemen 52
26	3X-Guinea 50	San Felix 51	San Felix 60	FranzJosef 56	Geyser 55	TY-Mali 48	SanFelix 60	60-Somali 51	SanFelix 52	3X-Guin. 52
27	Viet Nam 48	Viet Nam 51	FranzJosef 60	3X-Guinea 55	San Felix 55	5A-Libya 47	EA0-Rio 60	Geyser 48	SoGeorgia 52	VietNam 52
28	FR7-Glorios 45	YA-Afghan 48	3X-Guinea 57	YA-Afghan 55	SoSandwich 53	A6-Emirate 47	FR7-Juan60	YR-Afghan 48	FR7-Glor 51	Geyser 51
29	YV0-Aves 45	SR-Malagasy 46	TZ-Mali 57	YV0-Aves 54	Bangladesh 53	TY-Benin 47	YV0-Aves 60	SoSand. 46	8Q-Maldiv 50	TZ-Mali 50
30	YA-Afghan 45	South Sand. 44	9U-Burundi 53	TY-Benin 52	TZ-Mali 53	4W-Yemen 47	Geyser 56	YV0-Aves 46	YV0-Aves 50	YV0-Ave 50
31	60-Somali 43	YV0-Aves 44	A6-Emirates 53	SoSandwich 49	Aves 53	9U-Burundi 45	TZ-Mali 56	SR-Malag. 46	Viet Nam 50	FR7-Glor 50
32	TZ-Mali 43	TL-CentAfr 44	TY-Benin 53	FR7-Trom 49	Viet Nam 52	3B6-Agaleg 45	YA-Afgha 56	9U-Burun 44	TL-CentA 50	SanFelix 50
33	FranzJoe 43	YI-Iraq 42	4W-Yemen 53	Bangladesh 48	Juan De N. 52	Juan De N. 45	3V-Tunis 56	8Q-Maldiv 44	SoSandwich 48	TY-Benin 48
34	SoGeorgia 42	Geyser 42	SoGeorgia 53	Sao Thome 47	60-Somali 50	FR7-Trom 45	SqSand. 54	TY-Benin 44	9U-Burun 48	SoGeorgia 52
35	FR7-Trom 42	JT-OuterMon 42	Viet Nam 53	TZ-Mali 46	Sao Thome 50	Bangladesh 44	PH-Mayot 54	YI-Iraq 42	TZ-Mali 48	8Q-Maldiv 50
36	9U-Burundi 40	Juan De Noval 42	FR7-Glorio 50	XW-Laos 46	ZS2ML-Mar. 49	1S-Sprat 43	9U-Burun 54	TZ-Mali 42	4W-Yemen 48	FR7-Trom 50
37	ZS2ML-Mar 40	4W-Yemen 42	8Q-Maldives 50	60-Somali 45	TY-Benin 47	Crete 43	Agalega 54	Juan De N42	Tromelin 48	Bangladesh 49
38	XW-Laos 40	XW-Laos 42	Aves 50	9U-Burundi 45	ZL-Campbell 47	Sao Thome 42	3C-Equat 52	Bangladesh 40	Franz Joe 47	A6-Emir 49
39	ZK-Manihiki 40	TZ-Mali 40	PH-Mayotte 46	Juan De N. 45	9U-Burun 47	3V-Tunis 42	5A-Libya 52	Franz Joe 40	YA-Afghan 45	EA0-Rio 49
40	FW8-Wallis 40	Franz Joe 40	TT-Chad 46	ZL-Manihiki 45	5A-Libya 46	3C-Equat 40	Banglade 50	SaoThome 40	TT-Chad 44	9U-Burun 47

The Great 1978 Needed Country List

Page 2

Rank	W1	W2	W3	W4	W5	W6	W7	W8	W9	W0
41	TY-Benin 39%	Sao Thome 40%	YI-Iraq 41%	8Q-Maldives 45%	5R-Malagas 46%	San Felix 40%	TY-Benin 50%	Viet Nam 40%	Agalega 44%	Agalega 44%
42	8Q-Maldi 39	VK9X-Xmas 40%	FR7-Trom 46	EA9-Rio 45	XW-Laos 46	8Q-Maldives 40	4W-Yemen 50	TT-Chad 38	5A-Libya 44	Malpelo 47
43	EA9-Rio 39	VK9-Macq 38	Sao Thome 46	SoGeorgia 44	Maldives 44	EA9-Rio 39	PY9-StP&P 49	4W-Yemen 39	A6-Emirate 44	ZS2-Mar 46
44	Juan De N37	FR7-Mayotte 36	XW-Laos 46	4W-Yemen 41	SoGeorgia 44	Andamans 39	Dodecanese 49	Manihiki 38	TY-Benin 43	YA-Afghan 46
45	4W-Yemen 37	9U-Burundi 36	VK9Y-Cocos 42	EV-Formosa 41	JX-JanMayan 44	YA-Afghan 38	5R-Malagas 49	3V-Tunis 38	SaoThome 43	Manihiki 46
46	5R-Malag 37	A6-Emirate 36	ZS2MI-Mar 42	Jan Mayen 40	EA9-Rio 42	XT-Upper V. 37	FR7-Trom 49	XW-Laos 38	ZS2MI-Mar 40	VK9Xmas 46
47	9M8-E.Mal 37	Kingman 36	5R-Malag 42	5A-Libya 38	TT-Chad 41	Aves 37	Andamans 47	A6-Emirate 36	Macquarrie 40	TT-Chad 44
48	VK9Xmas 37	TY-Benin 36	3V-Tunis 42	ZS2MI 38	EquatGuinea 41	5R-Malagas 37	SoGeorgia 47	Malpelo 36	3C-EquatG. 39	ZD9-Tris 44
49	VE-Sable 37	FR7-Trom 36	CR3-PortG 42	5R-Malagas 38	4W-Yemen 41	SoGeorgia 37	XT-UpperV. 47	VK9Xmas 34	EA9-Rio 39	Juan de N. 42
50	VK-Willis 36	Malpelo 36	JanMayen 42	9M8-E.Mal 38	Malpelo 41	VE-Sable 36	XU-Cambod 45	FR7-Mayotte 32	3V-Tunis 39	3V-Tunis 42
51	YI-Iraq 35	3C-EquatG 34	Manihiki 42	3V-Tunis 37	A6-Emirates 39	FR7-Mayotte 36	ZS2MI 45	ZS2MI 32	5R-Malagas 37	FR7-Mayot 41
52	Sao Thome 35	SoOrkneys 34	VK9Xmas 42	YI-Iraq 35	FR7-Tromel 39	D6-Comoros 36	SoOrkneys 45	EA9-Rio 32	VK9Xmas 37	3C-Equat 41
53	7Q-Malawi 35	VE-Sable 34	FB8X-Kerg 39	A6-Emirates 35	3V-Tunis 39	XU-Cambodia 36	3A-Monaco 45	3C-EquatGu 30	Juan De N. 37	5A-Libya 41
54	ZD9-Tris 34	CR3-PortG 31	EA9-Rio 39	McQuarrie 35	PortGuinea 39	Franz Josef 36	D6-Comoros 43	5A-Libya 30	Malpelo 36	XU-Cambod 41
55	FR7-Mayott 32	ZM7-Tokela 31	FR7-JuanDe 39	5X-Uganda 35	Manihiki 39	PortGuinea 36	8Q-Maldives 43	FR7-Trom 30	XW-Laos 36	Franz Joe 39
56	D6-Comoro 32	VK9Y-Cocos 31	7Q-Malawi 39	D6-Comoro 34	ZD9-Tris 38	Dodecanese 35	Franz Jose 43	5X-Uganda 30	FW-Wallis 36	PortGuin 39
57	Macquarrie 32	8Q-Maldives 31	D6-Comoro 35	FR7-Mayotte 33	TA-Turkey 38	7J1-Okino 35	SaoThome 43	Macquarrie 28	ZD9-Tris 35	7Q-Malawi 39
58	3V-Tunis 32	Jan Mayen 31	Macquarrie 35	Kermec 35	Al-Oman 36	5X-Uganda 33	Crete 43	BV-Taiwan 28	JX-JanMayn 35	D6-Comoro 38
59	JT8-Djib 32	9M8-E.Mal 31	9M8-E.Mal 35	ZD9-Tris 32	Dodecanese 36	JD1-Minami 32	5X-Uganda 43	Bajo Nueva 28	Tokelaus 33	SaoThome 38
60	TT-Chad 31	FW8-Wallis 31	VE-Sable 35	TT-Chad 31	VE-Sable 36	ZS2MI 32	7Q-Malawi 43	Kingman 26	SoOrkneys 33	Macquarrie 38
61	EquatG. 31	BajoNueva 31	FW8-Wallis 35	VK9Xmas 31	3B6-Agalega 33	Al-Oman 32	PortGuinea 41	D6-Comoro 24	FR7-Mayotte 32	Crete 38
62	A6-Emirat 29	5A-Libya 29	ST9-SoSuda 35	7Q-Malawi 31	3A-Monaco 33	EA9-Ceuta 31	M1-SanMar 41	Agalega 24	7Q-Malawi 32	JanMayen 38
63	BV-Taiwan 29	BV-Taiwan 29	SoSandwich 32	FW8-Wallis 30	XT-UpperV. 33	Viet Nam 30	SoShetland 39	PortGuinea 24	Dodecanese 32	SoOrkneys 36
64	Malpelo 29	TR-Chad 29	MellishRef 32	SoOrkneys 29	VK9Xmas 33	Jan Mayen 29	EA9-Ceuta 39	Al-Oman 24	VK9Y-Cocos 31	Dodecanese 36
65	PortGuinea 29	Palmyra 29	5A-Libya 32	PortGuinea 28	BajoNueva 33	3A-Monaco 28	5V-Togo 39	VK-LordHow 24	PortGuinea 31	5X-Uganda 36
66	VK9Y-Coco 28	7Q-Malawi 29	Kingman 32	Crete 28	Crete 31	PY9-St P&P 27	7J1-Okino 37	Crete 24	FB8X-Kerg 28	VE-Sable 36
67	SoOrkneys 28	Kermec 27	BV-Taiwan 32	Tokelaus 28	7Q-Malawi 31	3B9-Rodrigu 27	Baja Nuevo 37	Tokelaus 24	BV-Taiwan 28	Tuvalu 36
68	5X-Uganda 28	Agalega 27	SoShetland 32	XT-UpperV. 28	9N-Nepal 31	5V-Togo 26	TJ-Camerou 37	7Q-Malawi 24	Crete 28	FW8-Wall 36
69	So Sudan 28	ZS2MI 27	Tokelaus 32	EquatGuin 27	FW8-Wallis 31	VE-St Paul 26	ZD9-Tris 35	FW8-Wallis 24	Manihiki 28	VK9Y-Cocos 33
70	VK-Norflk 28	EA9-Rio 27	5X-Uganda 32	Malpelo 27	FR7-Mayotte 30	5U-Niger 25	Manihiki 35	VK9Y-Cocos 22	5X-Uganda 28	5R-Malag 33
71	KO6-WestC 28	ZD9-Tristan 25	Agalega 28	VS5-Brunei 27	5V-Togo 30	J2-Djibouti 25	5N-Nigeria 35	FB8X-Kerg 22	XT-UpperV. 27	SanMarino 33
72	KFL-Revil 27	3V-Tunis 25	Revillagig 28	VK9Y-Cocos 26	5X-Uganda 23	U8-Tadzhik 25	TA-Turkey 33	Jan Mayen 22	Bajo Nuevo 27	Kingman 31
73	SoShetlan 26	WestCarol. 25	Palmyra 28	SoShetlands 25	D6-Comoro 26	7Q-Malawi 25	VE-Sable 33	SoOrkneys 22	5V-Togo 25	3A-Monaco 31
74	Jan Mayen 26	UM8-Kirghz 23	Norfolk Is 28	So Sudan 25	CR9-Macao 26	Macquarrie 24	Al-Oman 33	Palmyra 22	XFL-Revil 24	BV-Taiwan 31
75	Palmyra 26	5X-Uganda 23	HK9-Baja 28	Palmyra 24	So Sudan 26	UH8-Turkonn 24	VE-StPeter 31	VS5-Brunei 22	VE-St Paul 24	3B9-Rod. 31
76	Kingman 26	5V-Togo 23	New Caled 23	Willis 23	Kerguelin 25	SU-Egypt 24	JX-Jan May 31	ZD9-Tris 20	VE-Sable 24	Al-Oman 31
77	Kerguelin 25	Kerguelin 21	3C-EquatG. 25	Dodecanese 23	Macquarrie 25	Manihiki 24	9Q-Zaire 29	SoShetland 20	Nepal 24	SriLanka 31
78	Crete 25	Willis 21	Willis 25	VE-Sable 23	UP6-Armen* 25	U8-Tadz 25	Viet Nam 29	VK-Willis 20	SanMarino 22	EA9-Ceuta 31
79	VR8-Tuva 25	Revillagig 21	Crete 25	Kingman 22	SoOrkneys 25	San Marino 24	Sri Lanka 29	UpperVolta 20	D6-Comoro 22	Palmyra 31
80	VR1-Gilb. 25	Lord Howe 21	4S7-Sri L. 25	JT-Outer M. 22	UD6-Azerb 25	FB8X-Kerg 23	J28-Djib 29	Norfolk 20	SoShetland 22	BajoNueva 31
81	Libya 23	Tuvalu 21	SoOrkneys 25	CR9-Macao 22	TJ-Camerou. 25	SoOrkneys 23	ST-Sudan 29	VE-Sable 20	Turkoman 22	ST9-SoSud 31
82	Kermec 21	Brunei 21	SanMari. no 25	BajoNuevo 22	Revillagig. 23	UI-Uzbek 23	Macquarrie 29	VR1-Gilber 20	A9-Bahrein 22	XT-UpperV 30
83	3B6-Agale 21	XT-UpperV 19	Bruni 25	Zaire 22	UM8-Kirghiz 23	Cyprus 23	5U-Niger 25	ZL-Campbel 18	3A-Monaco 21	PY9-StP&P 28
84	ZL-Campb. 21	Dodecanese 19	UnitedNat. 25	CE9Z-JuanF. 21	EA9-Rio de 23	Zaire 23	Kerguelin 25	Revillagig 18	Willis 21	ZM7-Tokel 28
85	9M2-Malay 21	MellishRf 19	Kermec 21	Tuvalu 21	ST-Sudan 23	BajoNuevo 22	CB9-JuanF 23	9M8-E.Mal 18	UP6-Arm* 21	A9-Bahren 28
86	5V-Togo 21	PY9-StP&P 19	Malpelo 27	Agalega 20	PY9-StP&P 22	5N-Nigeria 22	TR-Gabon 23	TI9-Cocos 18	VK9-Norflk 21	5V-Togo 28
87	BajoNuevo 21	CE9Z-Juan F19	Al-Oman 21	PY9-StP&P 20	VK-Willis 22	UP6-Armen* 21	XFL-Revil 23	ZL-Kermec 16	ZK-Niue 21	TA-Turkey 26
88	UnitedNat 21	3B9-Rodri 19	LordHowe 21	9M2-Malay 20	UI-Uzbek 22	4S7-Sri La 21	UH-Turkonn 23	Sri Lanka 16	PY9-StP&P 20	SoShetlnd 26
89	XW-Laos 20	Crete 19	XT-UpperV 21	Lord Howe 21	Zaire 22	A9-Bahrain 21	A9-Bahrain 21	EA9-Ceuta 16	Rodriguez 20	Nepal 26
90	VK-Lord H20	9M2-Malay 19	Ceuta 21	5V-Togo 19	VK9Y-Cocos 20	Nepal 21	VE-Willis 16	ZK-Niue 16	Al-Oman 20	Kerguel 25
91	Brunei 20	FK8-NewCal 19	ST-Sudan 21	KO6-WestC. 19	Kingman 20	ZB2-Gibral 21	XW-Laos 21	CR9-Macao 16	Sri Lanka 29	Willis 25
92	Pitcairn 20	VR1-Gilb 19	Niue 21	FB8Z-Amster 18	CE9Z-JuanF 20	TJ-Cameroun 21	VK9X-Xmas 21	A35-Tonga 16	Palmyra 20	XFL-Revil 25
93	PY9-Trin 20	ST9-SoSud 19	9N1-Nepal 21	XFL-Revil 18	Lord Howe 20	ZD9-Tristan 20	VK9-Norflk 21	Mellish Rf 14	U8-Tadz 20	J28-Djib 25
94	XT-UpperV 18	JD1-Minami 17	VR9-Tuva 21	Al-Oman 18	Sri Lanka 20	9K2-Kuwait 20	FR7-Reunon 21	UH8-Turkom 14	Bruni 20	Bruni 25
95	JD1-Mina 18	JT1-OuterM 17	CR9-Macao 21	UM8-Kirghiz 18	UH8-Turko 20	JY-Jordan 20	Nepal 21	JD1-Minani 14	TA-Turkey 16	TJ-Camer 25
96	Dodecan 18	ST-Sudan 17	Pitcairn 21	JD1-Ogasaw 18	A9-Bahrain 20	UM8-Kirghiz 19	TI9-Cocos 21	Dodecanese 14	9Q-Zaire 16	Pitcairn 25
97	FK8-NewC 18	VK-Norfolk 17	KO6-WestC 21	U8-Tadz 18	Palmyra 20	ST-Sudan 19	ST9-SoSud 19	VR8-Tuvalu 14	VR1-Gilb 18	UP6-Arm* 23
98	VE-St Pet 17	TI9-Cocos 17	VR1-Gilbt 21	Nepal 18	JT-Outer M. 20	ST9-SoSud 19	VK9Y-Cocos 19	SanMarino 14	Mellish 17	Norfolk 23
99	ZK-Niue 17	A35-Tonga 17	PY9-StP&P 17	Sri Lanka 17	U8-Tadz 20	XW-Laos 18	UP6-Arm* 19	PY9-StP&P 12	CE9Z-Juan 17	Macao 23
100	TI9-Cocos 17	D6-Comoro 14	ZL-Campbel 17	U8-Uzbek 17	Norfolk 20	Reunion Is 18	Lord Howe 19	Monaco 12	UM8-Kirghz 17	Mellish 22
101	9Q-Zaire 15	ZL-Campbel 14	FB8Z-Amst 17	ST-Sudan 17	SanMarino 20	TI9-Cocos 18	UM8-Kirghz 19	YK-Syria 12	U8-Uzbek 17	9M8 E-Mal 22
102	A35-Tonga 15	SoShetland 14	ZD9-Trist 17	VK-Norfolk 17	9M2-Malay 20	SoShetland 17	9K2-Kuwait 19	UM8-Kirghz 12	UD6-Azer 17	9M2-Malay 22
103	Monaco 15	UH8-Turko 14	UF6-Armen* 17	TJ-Cameroun 17	Cyprus 20	FW8-Wallis 17	SU-Egypt 16	U8-Uzbek 12	KO6-WestC. 17	9Q-Zaire 22
104	CE9Z-Juan 14	U8-Tadz 14	3B9-Rodri 17	A35-Tonga 17	PY9-Trinde 20	CE9Z-JuanF 16	Gibraltar 19	VE-StPaul 12	Kermec 16	CE9Z-Juan 20
105	UH8-Turko 14	Reunion 14	UH8-Turko 17	VR1-Gilbert 17	BV-Taiwan 19	YK-Syria 16	7P-Lesotho 17	Pitcairn 12	Kingman 16	9K2-Kuwa 20
106	San Marin 14	Pitcairn 14	Dodecanese 17	Mellish 16	SoShetland 19	UD6-Azeb 16	Kingman 17	KO6-WestC 12	ZL-Campbel 16	Cyprus 20
107	TJ-Camer 14	UnitedNatn 14	TI9-Cocos 17	ZL-Campbell 16	Kermec 17	FB8Z-Amster 15	5H-Tanzania 15	ST9-SoSud 12	TJ-Camer 16	PY9-Trind 20
108	UM8-Kirgh 12	Al-Oman 12	TJ-Cameroun 17	Mnaco 16	9M2-Tokelaus 17	VK9X-Xmas 14	5H-Tanzana 17	ST-Sudan 10	5N-Niger 16	U8-Turko 19
109	U8-Tadz 12	Sri Lanka 12	TA-Turkey 14	3B9-Rodrig 16	9M2-E.Malay 17	ZM7-Tokelaus 13	3D6-Swazi 17	JD1-Ogasa 10	JD1-Minami 14	ST-Sudan 19
110	Macao 12	U8-Uzbek 12	JD1-Minami 14	VE-St Paul 16	5H-Tazania 17					

The Great 1978 Needed Country List

Page 3

Rank	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10															
111	FB8-Amstr10%	VE-StPaul	12%	A9-Bahrn	11%	ZK2-Niue	16	Brunei	17	TR8-Gabon	13	UD6-Azer	17	5H-Tanz	10	EA9-Ceuta	14	UJ8-Tadj	19						
112	TA-Turkey10	Niue	12	9K2-Kuwait14	Hong Kong	16	TI9-Cocos	17	PY0-Trinidad13	Cyprus	17	UJ8-Tadz	10	9M8-E.Mal	14	KC6-West	19	5U-Niger	19						
113	Rodriguez10	Nepal	12	UI8-Uzbek	14	Kermec	15	Niger	17	UnitedNatn	13	PY0-Trin	15	Nepal	10	ST-Sudan	14	5U-Niger	19						
114	Kure	10	Macao	12	OuterMongol4	5H-Tanzania15	Mellish	15	VK-Willis	12	YK-Syria	15	UD6-Aber	10	Cyprus	14	FB8Z-Amst17	LordHowe	17						
115	UI8-Uzbek10	TJ-Camern	12	5V-Togo	14	TI9-Cocos	15	3B9-Rodrig	15	VK9Y-Cocos	11	UJ8-Tadz	15	5V-Togo	10	PY0-Trin	14	LordHowe	17						
116	JT-OuterM10	5U-Niger	12	9Q-Zaire	14	Pitcairn	15	J28-Djibout15	Kingman	10	JY-Jordan	15	TN-Camern	10	ST0-SoSud	14	Egypt	17							
117	JD1-Ogasa10	KG6-Saipan12	5U-Niger	14	Reunion	13	KC6-West C	15	Palmyra	10	PY0-Fernan13	9Q-Zaire	10	VK-LordH.	13	Reunion	17	UD6-Azer	17						
118	ST-Sudan	10	FB8Z-Amstr10	VR3-Fannng	14	FK8-NewCald13	5N-Niger	15	7X-Algeria	10	FB8Z-Amstr13	VR3-Fannng	10	Nepal	13	UD6-Azer	17	5U-Niger	17						
119	5H-Tazan	10	TA-Turkey	10	HongKong	14	PY0-Trinide	13	YK-Syria	14	ZL-Campbel	9	Unit Nat	10	5U-Niger	13	5N-Niger	17	ER3-Fannng17						
120	Nepal	10	AP-Pakist	10	PY0-Trind	14	UH8-Turko	12	9K2-Kuwait	14	JT-OuterMon	9	UI8-Uzbek	13	TA-Turkey	8	J28-Djibti12	ER3-Fannng17	YK-Syria	15					
121	UD6-Azer	10	YK-Syria	10	KG6-Saipn	14	A9-Bahrain	12	VE-StPaul	14	7P-Lesotho	9	VR8-Tuvalu13	3B9-Rodrig	8	JT1-Ogasa	12	YK-Syria	15						
122	TR-Gabon	10	JD1-Ogasa	10	Monaco	10	3D6-Swazi	12	Pitcairn	14	MellishReef	8	FW8-Wallis13	A9-Bahrain	8	A35-Tonga	12	VR1-Gilbt15	YK-Syria	15					
123	KG6-Saipn10	PY0-F de N10	AP-Pakistn10	San Marino	12	ZL-Campbell12	ZL-Kermec	8	7X-Alberia13	JT-OuterMon8	FK8-NewCald8	FB8Z-Amstr10	UMB-Kirgh14	VE-StPaul14	JD1-Ogasa	10	5H-Tanzan	14	5H-Tanzan14	14					
124	PY0-TrindP&P	9	PY0-Trind	10	YK-Syria	10	UF6-Armen*	11	FB8Z-Amstr	12	XF4-Revilla	8	United Nat13	HL4-Solomns8	KG6-Saipan12	JD1-Mina	14	YK-Syria	15	YK-Syria	15				
125	Al-Oman	9	Monaco	8	J28-Djibti10	UD6-Azer	11	VR8-Tuvalu	12	AP-Pakistan	8	FO8-Clippn11	KG6-NewCald8	FB8Z-Amstr10	UMB-Kirgh14	VE-StPaul14	JD1-Ogasa	10	5H-Tanzan	14	5H-Tanzan14	14			
126	Sri Lanka	9	UR6-Armen	8	UM8-Kirghz10	VR3-Fannng11	Hong Kong	12	Lord H we	8	ZL-Campbell11	KG6-Saipn	8	Kure	10	VE-StPaul14	JD1-Ogasa	10	5H-Tanzan	14	5H-Tanzan14	14			
127	9K2-Kuwait9	J28-Djibout8	VE-St Paul10	PY0-FernNor11	JD1-Ogasa	11	VK7-Norfolk	8	JD1-Minami	11	VR8-Tuvalu	8	ZK-Niue	11	AP-Pakistan6	TI9-Cocos	10	5H-Tanzan	14	5H-Tanzan14	14	5H-Tanzan14	14		
128	Cyprus	9	Kure	8	JD1-Ogasa	10	KG6-Saipan	11	Gibraltar	11	VR8-Tuvalu	8	ZK-Niue	11	AP-Pakistan6	TI9-Cocos	10	5H-Tanzan	14	5H-Tanzan14	14	5H-Tanzan14	14		
129	UF6-Armen	7	EA9-Ceuta	8	5H-Tanzan	10	Kure	10	PY0-FernNor11	PY0-FernNor	8	CR9-Macao	11	J28-Djibout6	YK-Syria	9	JY-Jordan14	YK-Syria	9	JY-Jordan14	14	YK-Syria	9		
130	AP-Pakistn7	5H-Tanzan	8	UJ8-Tadz	10	EA9-Ceuta	10	FK8-NewCald11	BV-Taiwan	7	Pitcairn	14	9K2-Kuwait	6	9K2-Kuwait	6	9K2-Kuwait	6	9K2-Kuwait	6	9K2-Kuwait	6	9K2-Kuwait	6	
131	YK-Syria	7	JY-Jordan	8	Reunion	10	5U-Niger	10	Kure	9	3D6-Swazi	7	KC6-WestC	11	SU-Egypt	6	JT-OuterM	9	A35-Tonga14	YK-Syria	9	YK-Syria	9		
132	Tokelaus	7	San Marino	8	JY-Jordan	10	United Nat.	10	JY-Jordan	9	CT3-Madeira	7	A35Tonga	11	5U-Niger	6	JY-Jordan	9	YK-Syria	9	YK-Syria	9	YK-Syria	9	
133	EA9-Ceuta	7	Cyprus	8	9M2-Malay	10	TA-Turkey	9	3D6-Swazi	9	UL7-Kazak	6	CT3-Madeir11	PY0-Fern De6	PY0-Fern De6	9	YK-Syria	9	JY-Jordan14	YK-Syria	9	YK-Syria	9		
134	ZL-Chatham	7	TR-Gabon	8	P29-Pap/NG10	AP-Pakistan	9	VR3-Fannng	9	Pitcairn	5	Mellish	9	CE0Z-Jan F	4	Reunion	8	PY0-Fern	12	YK-Syria	9	YK-Syria	9		
135	Reunion	7	9Q-Zaire	8	5N-Nigeria10	YK-Syria	9	UL7-Kazak	9	A35-Tonga	5	Kermec	9	Kure	4	9M2-Malay	8	P29-P/NG	11	YK-Syria	9	YK-Syria	9		
136	Papua/N.G	7	VR3-Fannng	8	A35-Tonga	10	JD1-Minami	9	KG6-Saipan	9	5Z-Kenya	5	BV-Taiwan	9	ZL-Chatham	4	CR9-Macao	8	Hong Kong11	YK-Syria	9	YK-Syria	9		
137	VR3-Fannng	7	UL7-Kazak	8	HL4-Solomon	10	9K2-Kuwait	9	VR1-Gilbert	9	Brunei	4	9M8-E.Malay9	Reunion	4	VR3-Fannng	8	Kermec	9	YK-Syria	9	YK-Syria	9		
138	Hong Kong	7	Hong Kong	8	CE0Z-Juan	7	ZL-Chatham	9	7P-Lesotho	9	CR9-Macao	4	ZL-Chatham	9	JT-Jordan	4	TR-Gabon	6	ZL-Chatham	9	YK-Syria	9	YK-Syria	9	
139	A9-Bahrain6	A9-Bahrain	6	Kure	7	7P-Lesotho	9	JD1-Mimami	7	Clipperton	3	VR3-Fannng	9	3D-Swazi	4	HL4-Solomon6	TI9-Cocos	9	YK-Syria	9	YK-Syria	9	YK-Syria	9	
140	3D6-Swazi	6	7P-Lesotho	6	3D6-Swazi	7	Cyprus	8	Reunion	7	9M8-E.Malay	3	VR1-Gilbts	9	9M2-Malay	4	7P-Lesotho	6	Gibraltar	9	YK-Syria	9	YK-Syria	9	
141	Nigeria	6	UD6-Azer	6	UL7-Kazak	7	J28-Djibouti7	TR-Gabon	7	ZM-Niue	3	JT-Outer M	7	Cyprus	4	SU-Egypt	5	HL4-Solom	9	YK-Syria	9	YK-Syria	9		
142	HL4-Solom	6	HL4-Solomon6	Clipperton	3	5N-Nigeria	7	CT3-Madeira	7	KC6-West	3	Brunei	7	P29 P/NG	4	United Nat	5	KG6-Saipn	9	YK-Syria	9	YK-Syria	9		
143	UL7-Kazak	6	9K2-Kuwait	4	Chatham	3	UL7-Kazak	7	United Nat	7	Chatham	2	Papua/N.G	7	5N-Nigeria	4	Chatham	4	United N.	9	YK-Syria	9	YK-Syria	9	
144	SU-Egypt	4	Chatham	4	SU-Egypt	3	Gibraltar	5	AP-Pakistan	6	VR3-Fannng	2	UL7-Kazak	7	Hong Kong	4	UL7-Kazak	4	Kure	7	YK-Syria	9	YK-Syria	9	
145	JY-Jordan	4	SU-Egypt	4	Cyprus	3	Papua/N.G	5	Chatham	6	Gibraltar	2	5Z-Kenya	7	PY0-Trindadh	4	3D6-Swazi	4	FK8-New C.7	YK-Syria	9	YK-Syria	9		
146	PY0-FernDal	4	3D6-Swazi	4	TR-Gabon	3	HL4-Solomon5	SU-Egypt	6	Kure	1	JD1-Ogawaw	5	Gibraltar	2	P29 P/NG	4	7P-Lesot	7	YK-Syria	9	YK-Syria	9		
147	5U-Niger	4	P29-PapuaNG4	7X-Algeria	3	TR-Gabon	4	A35-Tonga	6	JD1-Ogasa	5	HL4-Solomon5	7X-Algeria	2	AP-Pakistan2	AP-Pakist	6	AP-Pakist	6	YK-Syria	9	YK-Syria	9		
148	Clippertn	4	7X-Algeria	4	PY0-FernDe	3	Clipperton	2	5Z-Kenya	6	P2-PapuaNG	1	AP-Pakistn	3	CT3-Madeira2	7X-Algeria	2	JD1-Ogasa	4	YK-Syria	9	YK-Syria	9		
149	Gibraltar	3	5N-Nigeria	4	7P-Lesotho	3	SU-Egypt	2	P29-Papua	4	HL4-Solomon	1	Kure	3	UL7-Kazak	2	Gibraltar	2	CT3-Madeir4	YK-Syria	9	YK-Syria	9		
150	7X-Algeria3	Gibraltar	2	UD6-Azer	0	JY-Jordan	2	HL4-Solomon4	KG6-Saipan	1	9M2-Malay	2	7P-Lesotho	2	Hong Kong	2	3D6-Swazi	3	YK-Syria	9	YK-Syria	9	YK-Syria	9	
151	7P-Lesotho3	CT3-Madeir2	Gibraltar	0	5Z-Kenya	2	Clipperton	3	9M2-Malay	0	FK8-NewCal	3	5Z-Kenya	2	5Z-Kenya	2	UL7-Kazak	3	YK-Syria	9	YK-Syria	9	YK-Syria	9	
152	5Z-Kenya	1	Clipperton	2	CT3-Madeir0	CT3-Madeir0	ZK2-Niue	3	FK8-New Cald0	KG6-Saipan	3	Clipperton	0	CT3-Madeir1	Clippertn	1	ST0-SoSudn1	YK-Syria	9	YK-Syria	9	YK-Syria	9	YK-Syria	9
153	CT3-Madeir0	5Z-Kenya	2	5Z-Kenyz	0	7X-Algeria	0	7X-Algeria	0	Hong Kong	0	Hong Kong	0	TR-Gabon	0	Clipperton	0	ST0-SoSudn1	YK-Syria	9	YK-Syria	9	YK-Syria	9	

* Not quite positive on this one. The list for the poll had a mix-up between the prefix and the country

Ø These start showing when none of the lists returned for the call area showed that this country was needed, in other words, everyone had it.

The 1977 poll was cut off at #86 with the lowest need being at the 16.6%. The 1978 poll was run all the way to the 153rd spot and it is rather obvious that the needs would be Ø all across the call-areas within another handful or so. This is believed to be the most intensive poll of needed countries every taken, more DXer submitted their needs and it should be informative to the true-blue Deserving DXer. Appreciation must be given to W1AM for the work performed in gathering the information and reducing it for printing.

TIMING IS THE SECRET

And if you want to work DX, you'll have to know band conditions and expected propagation.....

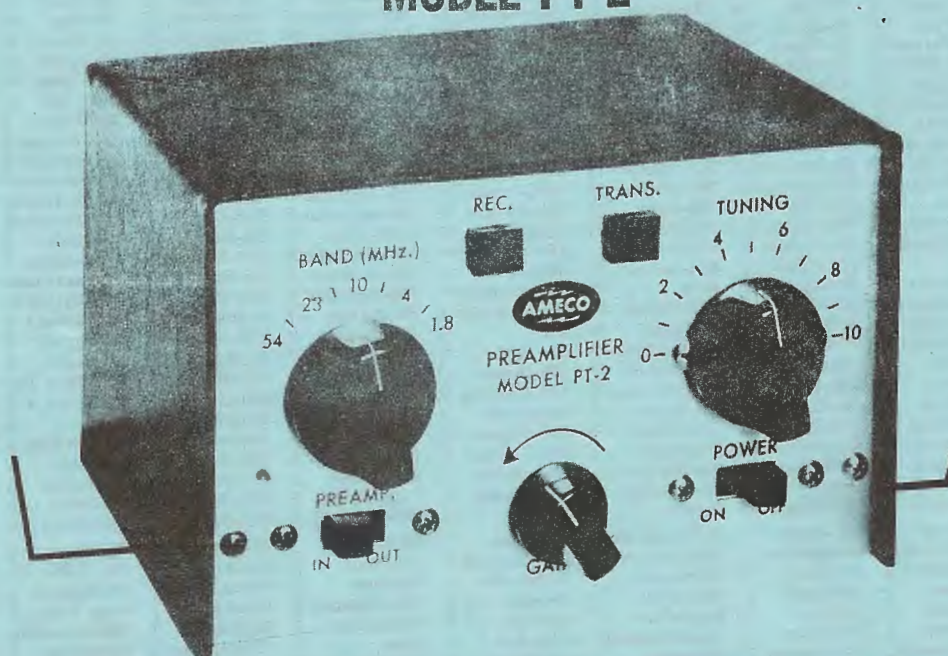
THE SHORTWAVE PROPAGATION HANDBOOK has just been written by George Jacobs, W3ASK, and Theodore J Cohen, N4XX. It explains all the facets of shortwave propagation in simple language.

It is full of do-it-yourself data for predicting the propagation conditions on all bands to all areas of the world

Personalized signed copies are available for \$7.50 each, postpaid. Send your order to Mail-A-Prop, Box 1714, Silver Spring, Maryland 20902. Get yours today.....signed by an author. Foreign remittances should be in U.S. funds and add \$1.00 for postage

MADISON ELECTRONICS SUPPLY

**Now you can receive the weak signals with
THE ALL NEW AMECO PREAMPLIFIER
MODEL PT-2**



**A CONTINUOUS TUNING 6-160 METER PRE-AMP
SPECIFICALLY DESIGNED FOR USE WITH A TRANSCEIVER**

- Improves sensitivity and signal-to-noise ratio while receiving.
- Bypasses itself automatically when the transceiver is transmitting.
- FET amplifier gives superior cross-modulation protection.
- Improves immunity to transceiver front-end overload by use of its built-in attenuator.
- Provides master power control for station equipment.
- No modifications required to transceiver.
- Simple to install.
- Advanced solid state circuitry.
- For AM or single sideband.
- Boosts signals up to 26 DB.

\$74.95

Especially good for transceivers. Other AMECO pre-amplifiers available. Call Don at MADISON ELECTRONICS on the DXers Hot Line. He will help you with any questions on DX gear..... Call (713) 658 8021.....Ask for Don.....

MADISON ELECTRONICS SUPPLY

1508 McKINNEY
HOUSTON, TEXAS 77002

QSLs!

Compiled by the
Alamo Amigo—K5DB

West Coast DX Bulletin
23 January 1979

QSL List No. 11



A2CBT to DJ0FZ	GB3CSC to GI3HXV	=VE3BWK/4U to WA3HUP	5N2AUX to G3IQM
A4A G3AAN	GB3DSG GI3HXV	=VK7AE W5ACE	+5T5PG REF
A35BD ZL1BD	GB5BTU W3LPL	VK0JC OZ8AE	5Z4NA W2PPG
A35HF N4TN	GU5CAA K3RV	VK0SW VK3ATS	=5Z4QS WB1ASW
+A35WL ZL2BBW	GU5CKW DK9KX	VP1EW WA6UZB	6W8DY VE4SK
AP2UR W8QFR	=GU5CKX DF3KX	VP1RX W4SME	7P8BH WB9ZZK
C5AAQ WA1SQB	=H5RAC WA4HNL	VP2ECW VP2LEX	8P6JD K5MK
C5AAR G3LQP	HB0BNP HB9BNP	VP2LFX VP2LFP	9G1KH WD5GGX
C5ABB LA7GV	HD5EE/4 WA8TDY	VP2LGR VP2MAJ	9G1RU HB9BFN
C31IS F6CXF	HD0E K8LJG	VP2MAJ PY2DFR	9H1FR W40OH
C31OE F6ECX	HH2CQ (78 CQ CW)W4ORT	***VP2MAR @VP2MT	9K2EZ WA1ZGR
C31PP DJ2ML	(78 CQ/Fone)K4UTE	+VP2VEH N6RA	9K2JN WB2IZN
C31QR PE0MOT	HL9WH W7WQR	VP2VES K7MKS	**9M2FK DK1ZN
C31RF DJ6ZT	HP1XYA W3HMK	VP2VJ VE3MJ	9N1MM W3KQV
C31RN F6EZV	HP3XWB DL1HH	VP9WB K3QMX	9Q5JH K1VSK
CE3XV WA3NGS	HS1ABD K3EST	VS6HK W6EL	9X5AL SM5HLJ
CL4RCB C02FA	HS1AIV W1YR	VX3CN VE3IPR	9Y4CRV WA4RYN
CP2QN W2KF	HW7G FG7AS	WA1RFN/VP9 W4EV	
CT1FL W3HMK	*HZ1HZ RSGB	WA7RKJ/OZ K7OEW	
CT3BX EA8IS	HZ1JB W4LZZ	WD4ECM/KH4 W5RU	
CT3BZ OH2BH	HZ1MJ WA6LFT		
CT4IM WB5UPZ			

DA4CC W8IMZ	IA5DMK I2DMK	YB9ADA W5SWN
(WFX 78)	IF9XND IT9XND	WA4ZXC WA1CBM
DK7AH/3A DK8AG	I9WWW K6RXX	GLGVF WA2CBU
DT8IKP DM2CUO	IT9USV IT9RAN	G3PEU K1DRN
DU1MEL K9MD	I22ZZV J20BL	K8NOQ VE1ASJ
DU6RH W7HPI	*JY4MB WA4HNL	N2JJ YASME
EA6EU WD5BIF	K4IIF/TF3 W4KA	ZL1SZ N2CW
EJ2CA EI2CA	K6TBQ K6TBC	WA2JUQ W7VRO
EJ7CC EI7CC	WA5FWG K3SXA	ZS6BOK/H5 WA1UVX
=EL1I VB1RY	KZ5NO K1MM	3D6AX WA5IEV
EL2A WB3CQM	KZ5RO WB2DCP	3F75KC W0GX
EL2AE WB3CQM	LU3ZY LU2CN	LA1VC LA5DQ
EL2AV N6FL	OE1OPW/HB0 OE2DYL	VE7ZQ JA1UT
EL2EV W3HMK	OE2VEL/HB0 OE2DYL	UA0BAE UK0AAB
EP2HA WA6CDH	OX5AF AB1Q	YU1JRS YU1JAS
EP2PQ PA0WGS	OY7ML W2GHK	YU2CQ DK8KL
EP2PY G8MUM	P29BL JA2KLT	DK8KL DK8KL
EP2RU SM0BRU	PJ8NA K1MM	K2UVV
EP2SL G3XCS	PJ9JR N4MM	
EP2WR K9MKX	PJ9NA K1MM	
EX9A UK9AAN	PY7CC W4TAJ	
F0AHY/FG DJ0UP	PY0EG PY5AA	
F0FUL/FC DK6AS	PY0GA PY5AA	
F0ERL/FC DL9VN	PY0MAG PY1MAG	
F0OV/FC HB9BEI	W1DA WB4RRK	
FC0PJ DK3LR	S8GEH WA4HNL	
FG0EID/FS7 K7GEX	SM2ALH/4U SM2DLZ	
FG0EUU/FS F6CTK	TA1DKF WB3KUX	
FG0FS F6CTK	TF3YH WA8AEE	
FG0MM K1MM	TU2HS DJ9HD	
FM0UM F2VT	TU2IE DK3UW	
FP0AG N8AG	TU2IF HB9APF	
FP0BH W1PFA		
FP0EE W1PFA		
FP0MM K1MM		
FY0E00 F6DQM		

Changes:

- @ changes List 1
- \$ changes List 2
- ¢ changes List 3
- *** changes List 4
- ** changes List 5
- * changes List 6
- +++ changes List 7
- ++ changes List 8
- + changes List 9
- = changes List 10

Deletions:

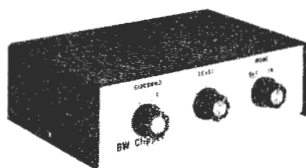
- 9G1RX from List 9
- J28AY from List 10



WCDXB QSL List No. 11
Page 2

ALXWW	Box 981, Muscat, Oman, UAE
A9XBS	Box 5357, Bahrain, UAE
A35CR	Box 147, Nuku-Alofa, Tonga Republic
C5ABD	Box 738, Banjul, The Gambia
EA9GG	Box 486, Ceuta, Spanish North Africa
EP2PZ	Marvin Carter, Box 2992, Teheran, Iran
=FR7BV	Michel Di Orio, L.E.P Route des make
	97450 Saint Louis, Reunion Island
HL4DX	Wes Elton, Box 332, Guadalcanal, Solomon Is.
*HI8XDF	Anthony W Malesic, American Embassy,
	APC, Miami, Florida 34041
JY9OD	Box 1348, Amman, Jordan
++KA6DX	Box 5913, APO San Francisco 96230
\$KG6RT	Box 209-CK, Saipan, Marianna Is. 96950
KX6BQ	Chet Lambert, Holmes & Narver, Eniwetok Atoll
	Marshall Islands 96737
OX5AE	RCA Americom, Thule Earth Station
	CMR 2199 P.Mountain, APO New York 09023
SU1DP	Bx 138, Ismailia, Egypt
TI7TE	Box 128, Liberia, Costa Rica
TT8AL	Box 12, Fort Lamy, Chad
TU2DJ	Box 2110, Abidjan, Ivory Coast
TU2HG	P.O Box 4718, Abidjan, Ivory Coast
VP2VEO	Craig Thompson, RR 1, Bx 41-M, Trivoli, Ill
	61569
VS5AM	Box 1200, Bandar Seri Begawan, Brunei
WL7ACY	5067-F Polaris Street, Eielson AFB, Alaska
	99702
+YI1BGD	Radio Club Baghdad, P.O Box 5864, Baghdad, Iraq
9G1LH	McCrum, P.O. Box 10182, Accra North, Ghana
KI4USV	NavSupport Force, Antarctica,
	FPO San Francisco 96692

MORE SSB OUTPUT with a BW CLIPPER



Put your transmitter to work with a BW Clipper. Installed in the IF strip, it increases average SSB output to a little below key down CW output. No non-reversible modifications.

STEP UP TO TRUE RF SPEECH PROCESSING

A QUALITY RF
SPEECH PROCESSOR

Drake T4X\$195.00
Drake TR4\$200.00

BROCHURE ON REQUEST

To order specify model. Add \$2.50 (\$10.00 foreign) for shipping. Ill. residents add 5%.

BW COMMUNICATIONS Co., inc.
PO BOX 220, 2643 WEST 139th ST., POSEN, IL 60469

M-Tron

New Leak-Factory Sealed Cans
in DX'er Prices

PO BOX 833 ALTAVILLE, CA. 95221
736-2612 (209) DOUG - WGHVN

ATLAS:

RX-110 80-10M RECEIVER.....\$199.
TX-110L 80-10M TRANSMITTER.....\$139.
TX-110H 80-10M TRANSMITTER.....\$219.
PS-110 AC POWER SUPPLY.....\$ 79.
210X 80-10M SSB TRANSCEIVER....\$649.
215X 160-15M SSB TRANSCEIVER...\$649.
220CS AC POWER SUPPLY CONSOLE..\$129.
DMK DELUXE MOBILE MOUNT.....\$ 45.

CURTIS:

EK-430 ELECTRONIC KEYS.....\$110.

R.L. DRAKE:

MN-7 ANTENNA TUNER 160-10M 250W WITH
B-1000 BALUN (4:1).....\$165.
MS-7 SPEAKER (TR-7).....\$ 29.
WH-7 WATTMETER/SWR 1.8-54MHZ...\$ 73.
1525EM TOUCHTONE MICROPHONE....\$ 45.

HY-GAIN:

14AVQ/WB 10-40M TRAP VERTICAL..\$ 55.
18AVT/WB 10-80M TRAP VERTICAL..\$ 79.
TH3MK3 3EL 10-15-20M BEAM.....\$175.
TH6DXX 6EL 10-15-20M BEAM.....\$199.
105BA 5EL 10M MONO BAND BEAM...\$ 95.
153BA 3EL 15M MONO BAND BEAM...\$ 59.
204BA 4EL 20M MONO BAND BEAM...\$169.

ICOM:

IC-211 2M FM/SSB VHF TRANSCEIV.\$729.

NPC:

104R 4AMP REGULATED 13.6VDC PS.\$ 35.
108R 8AMP REGULATED 13.6VDC PS.\$ 45.

SHURE:

404C PTT HI-Z HAND MIKE.....\$ 25.
444 PTT/VCX HI-Z DESK MIKE.....\$ 35.

TRI-EX TOWERS:

BIG DISCOUNTS ON ALL MODELS - ASK
FOR QUOTE WHEN YOUR READY TO BUY!

* Calif. residents only add 6% sales
*ALL PRICES FOB ALTAVILLE, CA. tax.
*MASTERCHARGE - VISA/BAC OK!
*PRICE & AVAILABILITY SUBJECT TO
CHANGE WITHOUT NOTICE - THANK YOU!

Send S.A.S.E.

for 1/2 off closeout list

REPORTS FROM RED EYED LOUIE

Of all the fish that swim or swish
In radio's deep autocracy,
There's none possess such haughtiness
As the DX aristocracy.....

LOW BAND LOUIE

CO2QR 1825/0420/Jan 11e	CT2QN 3797/0715/Jan 13e	HS1ABD 3517/1430/Daily	YS10 3506/0320/Jan 10m
G3JMJ 1826/0710/Jan 1e	DM2ABO 3524/0340/Jan 6e	JY9DI 3799/1515/Jan 14e	YU4UFS 3522/0320/Jan 6e
VR3AH 1819/0555/Jan 13w	EA5ACA 3514/0315/Jan 6e	SM7LQ 3788/1450/Jan 2e	VE3BWK/4U 3780/1500/Jan 8e
	EL2T 3799/0625/Jan 13e	WB8ZJW/VP2L 3785/0520 15w	LXLAS 3780/1505/Jan 8e
	N4UM/C6A 3787/0640 15w	TI2EWL 3797/1140/Jan 9e	9V1SR 3505/1540/Jan 12w
	HA9RU 3513/0300/Jan 6e	VK7AE 3790/1415/Jan 10w	
	J3AAG 3502/0400/Jan 11m	YB0BK 3510/1550/Jan 12w	
DJ6RX 7011/1535/Jan 6w#	HS1ABD 7001/1330/Jan 4e	UA3TCI 7028/0405/Jan 7e	UK8EAA 7015/1530/Jan 6w#
DL7HZ 7007/0710/Jan 10w#	I2NKR 7033/0040/Jan 13m	UA0ZCJ 7003/0410/Jan 8w	UM8NAP 7007/0315/Jan 12e
DF7XF 7041/0115/Jan 13m	KG4FW 7008/0220/Jan 7e	UA1FV 7003/0615/Jan 15w	VK3FC 7006/0755/Jan 9w
K0AX/DU2 7003/2125/ 7e	LU9CV 7006/0905/Jan 9e	UB5IKM 7028/0450/Jan 7e	YN1Z 7004/0430/Jan 10w
EI1DH 7013/0900/Jan 9e	LZ2MM 7028/0340/Jan 6e	UB5GBD 7005/2320/Jan 11e	YU3TGI 7007/0030/Jan 7w
F8DU 7028/0420/Jan 6e	L02KML 7005/0310/Jan 7e	UB5LF 7011/1515/Jan 9w#	YU3XOP 7028/0445/Jan 7e
FR7BE 7003/0320/Jan 11m	PT7WA 7007/0250/Jan 8e	UF6CX 7003/0230/Jan 14e	Y05KLH 7005/2340/Jan 9e
HA3KMA 7028/0335/Jan 6e	TF3YH 7010/1100/Jan 8e	UK2AAX 7022/0325/Jan 8e	ZF1BL 7015/0240/Jan 8w
HB9AMO 7014/2305/Jan 4e	T1SS 7008/0305/Jan 8e??	UA9JAC 7005/0410/Jan 12e	7X3NB 7014/2145/Jan 11e
HM5KP 7006/1440/Jan 13w	W6KG/TI5 7040/0255 15w	UK1ABR 7005/0335/Jan 8w	LX4GD 7006/0245/Jan 12e

TEN METERS

DL1KS 28030/1615/Jan 11w	I2QME 28029/1635/Jan 12w	UB5EOJ 28022/1455/Jan 11e	YU2REO 28022/1450/Jan 11e
EA7VN 28020/1615/Jan 11w	KG6RT 28028/2115/Jan 10w	UC2OBM 28017/1540/Jan 12m	ZL2BLW 28026/2245/Jan 10w
FY7BF 28005/1900/Jan 13e	OH2BSJ 28022/1515/Jan 11e	UK2PCR 28028/1510/Jan 9e	3V8AA 28000/1620/Jan 4e
G6CJ 28026/1550/Jan 9w	ON4VN 28036/1645/Jan 12w	UR2OI 28028/1515/Jan 9e	
GD4AM 28027/1830/Jan 11w	SM6CTQ 28022/1520/Jan 11e	VK4XA 28018/2145/Jan 10w	
G5NAH 28075/1715/Jan 8w	TK7G 28006/1445/Jan 13e	Y08FR 28013/1515/Jan 9e	
HB9KB 28025/1715/Jan 8w	W6KG/TI5 28011/1625 13e	YU3BB 28022/1445/Jan 11e	
A2CBW 28585/0145/Jan 8e	HG3KGC 28602/1500/Jan 8m	PA0FSK 28546/1330/Jan 8e	UP2BFS 28590/1445/Jan 14e
DU1REX 28549/0120/Jan 14m	IS0MFW 28622/1630/Jan 14e	PI1VKL 28519/1430/Jan 14e	UP2BFR 28511/1425/Jan 9m
FW8AC 28585/0145/Jan 8e	JY5AR 28605/1410/Jan 14e	RB5ISF 28587.1455.Hab 8m	UL7OE 28579/1455/Jan 14e
DL4NX 28711/1435/Jan 9m	KG6JKS 28565/0100/Jan 9e	RB5TBR 28523.1600/Jan 8m	UQ2HO 28573/1250/Jan 8e
GT6VL 28630/1635/Jan 14e	KA1TW 28603/2345/Jan 12m	SP9AI 28515/1500/Jan 9m	Y03BZ 28521/1620/Jan 14e
GI3IVJ 28503/1630/Jan 8m	OE5CWL 28505/1540/Jan 14e	TF3CW 28512/1630/Jan 13e	7X2BK 28552/1345/Jan 9m
GW4NSS 28507/1645/Jan 8m	OE6YHG 28766/1525/Jan 9m	UA3QFO 28560/1300/Jan 8e	9H4L 28581/1450/Jan 14e
GW3LIY 28751/1540/Jan 9m	OH2AA 28512/1530/Jan 14e	UA6ADK 28565/1300/Jan 8e	
GW5YI 28600/1530/Jan 11m	OK1KZ 28507/1650/Jan 5m	U050GE 28588/1400/Jan 8e	

AFRICA CW

EA8AXW 14031/1545/Jan 12m	TR8RG 14019/2050/Jan 12e	ZS2AG 14050/0500/Jan 12e	6W8EX 14030/0140/Jan 15w
EA9EO 14032/1040/Jan 9e	F6DIXE/TU2 14003/2130 11e	3D6AX 14024/2045/Jan 15w	EA8QP 14019/0200/Jan 14e
EA9GK 14040/0200/Jan 13e	WD5AJE/SU 14031/1850 13e	3Y1VC 14029/0110/Jan 16w	
FR7BP 14020/1530/Jan 11w	TU2IR 14012/2200/Jan 11e	3Y1VC 14030/0010/Jan 12e	
J28AG 14023/1435/Jan 8e	ZE1EZ 14047/1650/Jan 10w	5T5BZ 14006/2150/Jan 11e	
J28AY 14025/0500/Jan 12e	ZS1VT 21026/1840/Jan 11e	5T5PG 21030/1440/Jan 11e	

AFRICA SSB

C5AAM 14342/2345/Jan 11m	EA9GJ 14200/2315/Jan 8e	TR8AC 14215/2330/Jan 12e	3D6EP 21309/1850/Jan 11e
C5ABK 14342/2345/Jan 11m	FB8XV 14204/1400/Jan 12m	TR8AG 14207/2145/Jan 12e	5U7AG 14240/0010/Jan 8w
CN8AK 21355/1830/Jan 8w	EA8QI 14204/0015/Jan 11e	TR8AL 14221/2330/Jan 12e	5ZLNH 14225/1530/Jan 9w
CN8CW 14201/0015/Jan 11e	FB8OM 14210/0435/Jan 10m	TR8GDC 14231/2210/Jan 12m	7P8BC 21355/1810/Jan 10w
DL4CBS 21355/2015/Jan 10w	S79WHW 14225/1520/Jan 14w	TU2IF 14225/1915/Jan 6py	7X5AB 14202/2230/Jan 8e
EA8OZ 14226/1735/Jan 9w	ST2SA 14203/1445/Jan 12e	VQ9JJ 14253/1250/Jan 10e	7X2LS 14211/1930/Jan 11e
EA9FF 14226/0050/Jan 9w	STYRK 14233/1600/Jan 9e	XT2AV 14195/2000/Jan 8e	9J2BO 14255/1630/Jan 9w
EA9EO 14220/2315/Jan 8e	WA7JRL/SU 21273/1800/ 10e	ZE6JL 21355/1955/Jan 8m	9Q5MA 14252/0130/Jan 8w
EA9EO 21355/2025/Jan 8e	TR8AC 21355/1805/Jan 12w	ZS5SP 14206/1915/Jan 10e	9X5PP 14253/1510/Jan 8m

EUROPE SSB

CT1UL 14221/2015/Jan 13e	GD4HOO 21355/1815/Jan 10m	OK2RZ 14222/1510/Jan 13w#	UW6FZ 14213/1355/Jan 9m
CT2BB 14210/0400/Jan 11m	GI4GVS 21355/1830/Jan 12w	OY5J 14237/0020/Jan 9w	Y03CV 14225/1620/Jan 8e
EA3JE 14210/1550/Jan 13w#	I0IJ 14205/1515/Jan 13w#	SV1AE 14205/1505/Jan 13w#	Y03ACX 14220/1520/Jan 13w#
EA7TL 21355/1805/Jan 12w	JX9WT 14240/2155/Jan 12e	SV1JH 14204/1600/Jan 10m#	F9UW/3A 14225/1530/Jan 11w
EA7ABO 14243/0335/Jan 10m	JX4GN 14240/2330/Jan 9m	TF0DF 14205/0115/Jan 14w	9A1VU 14195/0345/Jan 9w
EA6GW 14202/1930/Jan 10e	LZ1WM 14222/1520/Jan 14w#	UC2AFA 14228/1425/Jan 11m	9H4G 14220/1610/Jan 10w

MORE RED EYED LOUIE

O DX, a thousand, thousand voices,
From night to dawn, from dawn to night,
Have cried the passion of their choices
To catch DX and keep it bright.....

ASIA CW

A51PN	14004/1310/Jan	7m	UF6FDB	14051/1630/Jan	13w#	UJ8BQ	14025/1420/Jan	14e	UM8MAG	14048/0320/Jan	14e
AP2TN	14026/0315/Jan	10e	UG6GAE	14010/1525/Jan	15w	UJ8AC	14018/0250/Jan	10e	UM8MBA	14020/0305/Jan	14e
BV2A	14028/0145/Jan	14w	UH8HAI	14031/0315/Jan	10w	UJ8AG	14027/0325/Jan	14w	UW0BK	14032/0245/Jan	10e
HM3DLR	21037/0000/Jan	12w	UH8HCE	14002/0320/Jan	15w	UK7GAA	14010/0310/Jan	15w	VU2BK	14027/1320/Jan	11e
HM1JJ	14023/2320/Jan	11e	UH8NN	14024/0330/Jan	11e	UK7YAB	14035/1255/Jan	10e	VU2GW	14010/0225/Jan	14e
HS1ABD	14034/1550/Jan	9e	UH8DL	14023/0135/Jan	13e	UK7TAD	14048/0340/Jan	11e	9M2FIC	14027/0050/Jan	15w
EP2IA	14029/1450/Jan	8m	UH8CS	21023/1315/Jan	9e	UK7JAC	14018/0345/Jan	14e	9M2FR	14030/0055/Jan	9e
JT1AO	14051/0310/Jan	10e	UI8ACP	14005/0305/Jan	15w	UK8FAA	14050/0415/Jan	10m	4S7EC	14016/1210/Jan	10e
JT1KAA	14029/0310/Jan	10e	UI8ADQ	14054/0325/Jan	10e	UL7FAA	14025/0315/Jan	15w	9V1TL	14013/1150/Jan	10e
UA9CAL	14040/1215/Jan	12e	UI8BL	21051/1300/Jan	9e	UK7LAA	14022/0550/Jan	13e	9V10K	14029/2345/Jan	11e
UA9YAL	14033/1210/Jan	10e	UI8TAA	14020/1600/Jan	12w	UL7EAR	14036/0345/Jan	14e	9V1OK	14029/2330/Jan	12e
UA0YT	14055/0145/Jan	12w	UI8ACH	14027/0250/Jan	10e	UL7PAZ	14010/0335/Jan	14e			
UA0ACS	14048/0240/Jan	10e	UI8HIA	14030/0335/Jan	10w#	UL7GAV	14032/0430/Jan	13e			
UA0GCN	14058/0310/Jan	9e	UI8LE	14012/0355/Jan	10w	UL7TAA	14007/0335/Jan	10e			
UD6DIA	14028/1240/Jan	12e	UJ8AG	14030/0430/Jan	13e	UL7JAW	14017/0300/Jan	13m			

ASIA SSB

A4XFE	14225/1415/Jan	14w	BV2B	14225/1500/Jan	10w	KA1NC	14240/1935/Jan	7py	4S7EA	14216/0125/Jan	14w
A6XJA	14221/1530/Jan	9e	CR9AJ	14245/0000/Jan	13e	OD5JP	14260/1445/Jan	11w	4S7DA	14211/1310/Jan	12e
A7XAH	14210/1425/Jan	10e	EP2NC	14210/1250/Jan	11e	UL7QF	14202/1320/Jan	10e	4S7JD	14214/1300/Jan	12e
A9XBD	14211/1530/Jan	8e	EP2LI	14225/1500/Jan	10w	UI8ABI	14220/0400/Jan	10m	VE3BWK/4U	14215/1545/	13w#
AP2AU	14245/0445/Jan	13e	EP2BH	14261/0515/Jan	9w	UI8ABA	14217/0350/Jan	10m	4X4IV	14215/1450/Jan	9m
AP2KS	14205/0325/Jan	10e	HS1WR	14207/0145/Jan	12e	UK9HAC	14212/0040/Jan	10m	4X4DX	14202/1515/Jan	9w#
AP2MQ	14212/0315/Jan	10m	HS1ABD	14208/1645/Jan	12m	UM8MAQ	14225/0400/Jan	12w	5B4DI	14225/1515/Jan	9w
AP2TN	14208/1250/Jan	11e	HZ1AA	14222/1416/Jan	12m	VU2KX	14223/0345/Jan	10m	5B4HD	14232/1905/Jan	6py
AP2IZ	14221/1300/Jan	12e	JT1AO	14210/0100/Jan	11m	VU2BX	14206/1150/Jan	9e	9K2IW	14225/1510/Jan	8w#
AP2AD	14210/0300/Jan	10m	JT1AN	14225/0135/Jan	14w	VU2CP	14204/1245/Jan	10e	9K2EW	14225/1515/Jan	8e
AP2MI	14201/0325/Jan	10m	JY0DJT	14205/0100/Jan	12m	VU2CK	14210/0335/Jan	10e	9K2DJ	14213/0505/Jan	8e
AP2FQ	14211/1345/Jan	9m	JY3ZH	14211/1415/Jan	10e	VS6DT	14230/0835/Jan	6py	9M2MW	14240/0915/Jan	6py
AP2ZR	14222/0350/Jan	14w	JY9VK	14242/1500/Jan	12w	OE2WSL/YK	14250/1445	11w#	9K2DX	14223/1500/Jan	12m

EUROPE CW

CT2CB	14032/2110/Jan	15w	IS0SPR	14017/1845/Jan	8e	OY9K	14004/0030/Jan	10m	UK2BCI	21035/1530/Jan	12e
CT2QN	21029/1355/Jan	11m	L4LZC	14029/1535/Jan	11w#	PA2CHEM	21017/1720/Jan	11e	UK5MAF	21025/1540/Jan	12e
EA7QP	14036/0030/Jan	9p	LX2FC	14015/1600/Jan	11w#	TF3YH	14008/0125/Jan	10e	UK6AJG	21004/1545/Jan	18e
EI9BG	21029/1805/Jan	11w	OE2DL	14027/1540/Jan	11w#	TF3US	14011/0030/Jan	9e	UK8NAC	14028/1245/Jan	10e
HA5AM	21027/1700/Jan	12w	OK1XN	21023/1700/Jan	12w	TF3CW	14032/0125/Jan	10e	UY5UI	21025/1605/Jan	12e
HB7G	21056/1725/Jan	11e	OK3YCG	14011/1530/Jan	12w#	TF3AA	14030/0040/Jan	10w	UP2BAT	21014/1555/Jan	11m
HB0LL	14029/0015/Jan	14w	OY3H	14040/2315/Jan	9e	U4LITU	14013/1500/Jan	9e	UR2ZM	14007/0425/Jan	12m

ELSEWHERE CW

GO5DM	14015/0320/Jan	8w	FM7WO	14025/2035/Jan	12e	KH3AA	14044/0325/Jan	14e	VK2FT/LH	14026/1540	15w
CP5EZ	14030/0120/Jan	15w	FY7YE	14051/0050/Jan	12w	OALCW	14050/0230/Jan	10e	VK0BAA	14027/0130/Jan	10e
CP5NK	21029/2025/Jan	13w	FY7BH	14009/2140/Jan	12e	OX3OB	14011/2200/Jan	11e	V01EM	14024/0000/Jan	9e
CX1EK	14026/0215/Jan	12m	HC2BL	14013/0050/Jan	12w	P29EJ	14004/2030/Jan	15w	VP2SZ	14026/1310/Jan	13e
N4M/C6A	14027/2100	13m	HC2SL	14049/0600/Jan	10m	PP5ABO	14019/0210/Jan	12m	ZF2AF	14029/0325/Jan	8e
G6ANY	21030/1400/Jan	12m	HI3PC	14031/1455/Jan	8e	TF3CW	14027/2300/Jan	often	Z05NW	14055/2200/Jan	10e
K0AX/DU2	14024/2145	8e	HI8XDF	14016/0220/Jan	9w	TK7G	14003/0035/Jan	9e	ZK1BD	14070/0425/Jan	10w
FG7AM	14033/0340/Jan	13e	HK0BKX	14025/1730/Jan	14w	W6KG/TI5	14027/0300	13e			

ELSEWHERE SSB

CE0AE	14225/1600/Jan	10w	HH2A	14206/0315/Jan	10w	VE1DI/V02	21355/1915	8w	VR3AH	14202/1645/Jan	14w
CO2KK	14211/1235/Jan	13m	KG6AJQ	14250/0920/Jan	6py	VP1DN	14210/1430/Jan	10m	YS9YS	14258/0000/Jan	9e
FK8CR	14220/2000/Jan	11e	LU3ZY	14220/0245/Jan	15w	VP1CW	14227/0135/Jan	10m	YS1MO	14247/0240/Jan	12w
FK8CR	21355/2000/Jan	12e	OX3AK	14207/0325/Jan	10w	VP2KC	14204/0455/Jan	8e	YB0BBN	14212/2345/Jan	11e#
FO8BW	14234/0415/Jan	9m	OX3BA	14207/0310/Jan	10e	VP2SQ	14224/1255/Jan	12e	YB0AB	14223/1530/Jan	8e
FO8DP	14200/1525/Jan	11m	PP5RG	14203/0115/Jan	10m	VP2SAG	14226/1135/Jan	11e	ZF1CG	14271/0135/Jan	14e
FO8FG	14225/0415/Jan	9w	PZ2AC	14214/0215/Jan	12e	VP2MH	14249/1135/Jan	11e	3D2BP	14225/1615/Jan	13w#
FP8DX	21355/1840/Jan	10m	VK2AGT/LH	14245/0610	102	VP8QJ	14227/0245/Jan	14m	4U1UN	14216/0100/Jan	11e
FY7AQ	14209/1135/Jan	8e	VE8RCS	14212/0320/Jan	11w	VP8RA	21355/1845/Jan	12w	5W1AX	21355.1950/Jan	12e
FW8AC	14225/1645/Jan	9w	VK8LW	14226/2045/Jan	12e#	VP8QG	14202/0340/Jan	12e	9M8HG	14224/0015/Jan	10e
HL4CB	14240/0900/Jan	7py	VK9XW	14226/2045/Jan	12e#	WB3KBZ/VP9	21355/1805	12w			

(e = eastern states m = middle states w = western reaches py = brasil etc. all times in gmt)
(# = long path ??? = Slim.....who works everybody...and always from the exotic!)

23 January 1979

CALENDAR

LACCADIVES
MALDIVES
St PIERRE
AVES
TUNISIA
AFGHANISTAN
HONDURAS
JOHNSTON ISLAND
SAUDI ARABIA
SPRATLY
PALMYRA
BARBADOS
SOUTH SHETLAND
BEATA ISLAND
MONTERRAT
PITCAIRN
SOMALIA
ANDAMANS
PETER ISLAND
SAO THOME
TROMELIN
CHAGOS
THE GAMBIA
WALLIS ISLAND
SINT MAARTEN
FLANDERS DX MEETING
WINTERFEST XII
MARCONI ARI PHONE TEST
CQ WW ONE-SIXTY TEST
FRENCH CW TEST
FRENCH PHONE TEST
ARRL PHONE TEST
ARRL CW TEST
CQ WW WPS PHONE TEST
LUCKENBACK TEST
FRESNO INTERNATIONAL DX MEET

Scrubbed!
8Q6 action from about February 10th HB9TL there in March
FF0DI by VE1DI for three weeks from February 1st
April 7th to 14th....if transportation jells. YV0AA
3V8AA showing on several bands.....often list operation
OZ1CRH optimistic....3 weeks YA-action in April
Nine-land group at Tegucigalpa from February 25th....
KH3AA showing on twenty c.w.
HZ1AB by WB5VIH for a month from February 15th
Moving....things falling into line.
Possible activity this summer
W1RED at /8P6 for a couple weeks...on about now
LU3ZY mostly on a Sunday schedule
New prefix.....January 25th to 28th. Looking for visitors
W0SH and K0XD from February 13th
VR6BJ for some fast operating.....about April 19th
601FG will show.....before long
P29JS to head for New Delhi to see about the papers
Maybe next month. Willy reported at the tip of South America
March a possibility....D4CBS going
FR7ZL from early February for a couple of months
VQ9JJ currently active....KPLKK there in March for a year's tour.
Early March.....
Baruch planning to open up this week.
K1CO for a couple of weeks from February 28th
Gent!....Ghent!....Gand!....downtown one of them.....Feb 10th
Downtown Norfolk, Virginia.....February 19th. KLJNM for info.
January 27/28th.....this weekend
January 27/28th.....this weekend
January 27/28th.....this weekend
February 24/25th
March 3/4th
March 17/18th
March 24/25th
West Texas erupts to greet the mud dobbers return....May 12/13th
Downtown Fresno at the Hilton.....April 7/8th

DON MILLER Dr Don Miller, who has been living in Indio, California for some years, was arrested by the Imperial County authorities early in January and charged with conspiracy to commit murder, arson and insurance fraud.

Miller was freed after the Municipal Court-lowered bail from \$250K to \$50K. He is accused of paying \$5000 to an undercover district attorney's investigator posing as a 'hit-man' to murder Miller's estranged wife.

Miller, who is a member of the Desert Sands School Board and a one-time team physician to the Indio High School team, is also accused, according to The Desert Sun newspaper of Palm Springs, of trying to have someone set fire to his medical clinic in Coachella. A fire at the clinic in October of last year did \$640,000 damage.

A janitor at Miller's clinic was also arrested and charged with conspiracy to commit murder and to commit arson and who is reported to have been the intermediary in setting up the arson and attempted murder.

Miller sued for divorce in August 1978. His wife was awarded interim custody of their child in September with Miller ordered to pay \$500 a month for child support and \$1200 a month for spouse support. Documents filed with the court in August listed his net worth at \$162K and his liabilities at \$311K. Back in June his income was listed at \$12K a month, in September it was listed at \$4684 a month.

Miller in December was contesting the court orders. The court had directed that both of the Millers would be examined by five psychiatrists as part of a move to resolve the custody of their child.

Don Miller will be remembered by many of the older DXers as W9WNV and a multitude of DX calls. Also, for his suit against the ARRL when they disallowed some of his operations.

ARRL Robert Dilworth, ARRL Vice-Director in the Delta Division, resigned his post effective January 8th. The press of business commitments made it difficult for him to give the necessary attention to the office. John Sanders, WB4ANX, has been appointed to finish out the term.

The cash flow problems of the League were not as severe as anticipated last Fall and only half of the quarter-million authorization was borrowed and it was repaid by the end of the year. The problem came with the annual drop in book sales during the summer which usually brings a lean third quarter. There probably will be more discussions on this at the Board Meeting, cash flow being a recurrent problem.

The Board will be meeting in Miami starting this week. The Directors will have a number of problems to find solutions for and don't be surprised if there are some changes in directions at Newington.

BEATA ISLAND This week, the group will be on from the offshore island from January 25th to 28th. Look for them at:

CW	1805kHz	3505kHz	7005kHz	14005kHz	21005kHz	28005kHz
SSB	1805	3790	7080	14195/205	21295	28595

TNX to W1AM, W1DA, WA1EOT, K1ER/4, W1GDQ, W1MV, W1OX, K1TZQ, W1VV, WA1WTP, WA1YTC, W2AG, W2FP, W2HAZ, W2NC, WB2RLK/VE1, WA2SON, K2UO, W3ODJ, W3CDL, K4DSE/8, WB4EDD, W4HU, WB4IUX, W4KA, W4LCL, W4LVM, K4OAH, N4WW, W4UF, N4WX, N4XX, WB4ZNH/KB6, W4ZR, W5AQ, K5AQ, W5CPI, K5DE, K5GL, W5VNJ/2, W5YH, W6ARE, WA6BJS, K6EC, N6EM, WA6FIT, WA6FPB, W6JD, K6KA, W6KPC, K6LAE, N6NA, N6OB, N6OC, W6PN, K6SSJ, K6SX, WA6TLA, WA6TOO, W6TSQ, AE6U, K6WR, K6UFT, W6VD, WB6VTE, K7ABV, N7MW, N7UT, WB8AAX, WA8AJC, K8CFU, K8FU, W8GS, W8GT, K8IA, W8JXM, W8MAW, K8RD, W8KNI, W8UVZ, W9SC, W9SS, W9TC, W9TEV, W9EW, W9PT, N9TG, KH6BZF, KH6CZ, KH6JWK, KPI4AM, PY2DFR, PY1APS, SV0WTT.

WEST COAST DX BULLETIN Published every week by the Marin County DX Group. It will soon be Spring here on the Pacific shore and last week we were looking out the window for the first sign of the acacias blooming when we spied a QRPer heading up the hill. We could not escape and this one was on us, coming with the glow of the true zealot. "You know how it has been said that the ARRL does not like DX and DXers," he said, immediately getting to the core of things, and we had to admit that we had heard that story for decades. "Any you know," the QRPer continued on without hardly hesitating, "that many DXers say that all they do is screw things up with things like Okino Torishima which many Honor Roll types continue to mourn, they having missed it the only time out and they say it will never come again." We again had to admit that we had heard these stories but we also were beginning to wonder where the QRPer was leading us. We had not long to wait. Leaning close, the glow of positive truth and enlightenment shining from those beady eyes. "Don't you believe that at all!", he declared, "all that is nothing. For soon you will learn what the ARRL is planning for the enhancement of DX and to reward the suffering DXers. You shall see!" We were beginning to wonder if we could stand all the promised joy but we were not quite sure whether to leap to our feet, shouting with joy, or to be prepared for another of the aberrations. We had to know more and the QRPer definitely was ready to tell. He was all smiles, we were all nerves. "You know, of course," the QRPer continued, "how there have been some discreet inquiries out of Newington on the possibility of 'Official DX Station' appointments, these also known as 'ODS', and 'Official Contest Stations', these known as 'OCS', don't you?" We had to admit that here we had not heard that report. "Well," the QRPer rushed on, "I have it on good authority that they will soon announce that they are making appointments as 'Official List Expeditors', these also known as 'OLE'. What do you think of that?" We were stunned. We had heard come complain about list operations, these often from those with big antennas and maximum power, but we had not expected this. "You're kidding!" we said, our incredulity obviously showing but all we got was a brighter smile. "Absolutely not!" he stoutly declared. "My information comes on the best authority. And not only will we have 'OLE's but it is quite possible that DXCC credit will only come when it has been certified that the DX has been worked through an authorized OLE. Remember how K2SJO was so upset over the pile-ups when Clipperton came on that he introduced that motion at the last Board Meeting?" We remembered though we had never quite understood the reason. "Well," the QRPer went on, leaning close and obviously enjoying being the bearer of good news, "the thinking is that with everyone on a single frequency and waiting for OLE to give the go-ahead, there will be no uproars, things will be quiet on all the bands and every single member of the International Telecommunications Union, also known as 'ITU', will be so impressed by our courtesy and discipline that our chances of gaining more frequencies will be enhanced. It will just like they absolutely swooned with admiration when we were offered the Incentive Licensing. Remember?" Son of a Gun! What could we say to all of this? Do we believe everything we are told? Or do we believe what sounds logical? But as every DXer knows, there have been a lot of things that are and have not been logical. While we figure this one out, all we can say is that if you want the subscription rates, coming shouting 'OLE!' and we will know you as one of the true confused ones. Maybe when Spring comes all of this, and the QRPers, will go away. Meanwhile we grow old with worry.....

////////////////////////////////////

West Coast DX Bulletin
77 Coleman Drive
San Rafael, Calif. 94901
(USPS 090 570)

first
class