# The DX Bulletin

AMERICA'S OLDEST WEEKLY AMATEUR RADIO PUBLICATION

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PROPAGATION: Mar 5-7, Above Normal; Mar 8, High Normal; Mar 9, Low Normal; Mar 10, High Normal; Mar 11, Low Normal; Mar 12, Below Normal; Mar 13-19, High Normal; Mar 20, Above Normal. TNX N4XX.

Flux (81)	Flux (82)	Flux (83)	Date	Flux (84)	Alpha (84)	K (84)
228	177	114	2/23	162	9	2
241	188	117	2/24	170	11	3
239	188	123	2/25	172	11	3
243	208	129	2/26	174	8	4
240	206	141	2/27	168	15	4
232	228	140	2/28	157	27	3
_	-	- )	2/29	152	13	2

CLIPPERTON operation is GO...fourteen amateurs, including Americans, Tahitians, French, and Swiss, leave Manzaneo Mexico around Mar 7 and should be on from Clipperton about 4-5 days later. They will use callsigns FOØXU through FOØXZ. 160-10 Meters. QSL YASME.

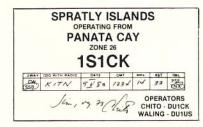
Carl Henson WB4ZNH and wife Martha WN4FVU returned to the Atlanta area Feb 24, having spent two fruitless weeks in Niger trying to get an amateur radio license. Carl has said that the people in the PTT were friendly toward their cause, but the military authorities wouldn't allow any radio operation. There are twenty license applications on file for operation from Niger.

VU2GDG has received tentative permission for an Andaman Islands operation at the end of March or early April, according to one source. Gopal wants amateurs around the world to write letters to him commending the recent Laccadives operations, to encourage the authorities.

TDXB has learned that last Fall a Mr. Shahid, persident of the Bangladesh Amateur Radio League, visited JARL Headquarters and JARL president JAIAN was told that "the Wireless and Frequency Allocation Board of the Bangladesh government (has) decided to reopen amateur radio and concrete measures are now being developed by the Posts and Telecommunications authorities." Hope!

BOTH YVØAA (QSL to the Venezuela Radio Club) and the various TI9 Cocos calls completed successful operations last week. TDXB seeks input from Europe and Japan as to how workable these two expeditions were.

PLEASE BE SURE TO READ THE NOTICE ON PAGE 8!



FLASH! Effective with DXCC submissions of Feb 1 or later, 1S1CK Spratly QSLs DO COUNT for credit. Although the brief operation last May by DU1CK and DU1US did not produce very many contacts (conditions were miserable), this may encourage them to go back!

BOUVET: LAISEA, writing to the <u>Japan DX News</u>, says he hopes to join a Norwegian expedition to the Antarctic, as a helicopter pilot, in December. This would give him an opportunity to put Bouvet 3Y on the air "for a few days." All this is <u>very</u> tentative, though.

KERMADEC operation coming in a few weeks will not include Jim Smith, VK9NS. ZL1AMO and buddies are going if they can get money and transportation. Rumors that VK9NS will go there separately later are not confirmed.

# BRIEF NOTES

Special Ivory Coast callsigns for the ARRL Phone Contest last weekend and for the <u>CQ</u> WPX contest were applied for: TU71 by TU2JD, TU72 by TU2MY, and TU73 by TU2NW...<u>Amateur</u> Satellite Report (WA2LQQ, ed.), reports that 89 DXCC countries have been heard/worked on the new Oscar 10 machine...Rumors persist of a Chad TT operation by TL8GE and others; look for a March 25 starting date...VU7WCY Laccadives QSLs for the U.S. will be mailed by W8MPW...That "ZA2R" heard last month was observed in Europe with an erroneous beam heading...G8GRN/5X, AH3AA/AH9, and ZL8AFH all showing for Europeans on 14.220 at 0700Z... W4JVN's VP2VID operation had to be cancelled at the last minute...A35WW is JA5DQH, and P29KY is JA1EMT...TZ6FE QSLs go to DL4BC... 20 Meter band conditions to the general area of China are improving daily, and both BY4AA and BY1PK are more active now (CW only)... A6XYB is W6EYB, not W6XYB...DX News Sheet says 5Z4JR was by OH2BAH, who was also in Uganda recently but didn't even try to take radio gear in...Look for the Colvins to open up from either Easter Island or Juan Fernandez any day now; their W6QL/ZP5 operation ended Feb 22...

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#### INTRODUCTION

LAST WEEK we supplied you with the "DXAC Papers." What follows here is the petition from the Alaska DX Association (KL7Y, Public Information Officer) for DXCC country status for the Pribilof Islands. The DXAC is expected to make a recommendation on this matter to ARRL Headquarters sometime in March.

This is your chance not only to play DXAC member, but also to draw your own conclusion in the matter and then let your own DXAC representative know how you feel. The current DXAC roster was listed on page one of Issue 228.

Since the ADXA petition was written by an attorney, it would have been possible to edit it unmercifully but we resisted the temptation, and what you will now read is exactly what DXAC members got.

You decide!

The Alaska DX Association hereby submits its petition for a determination that the Pribilof Islands are a separate "country." This submission is based upon Point 2(a) of the Countries List Criteria currently in effect.

Located in the Bering Sea at 57° N 170° W, the Pribilof Islands are 260 statute miles offshore from the Alaska mainland.

The Alaska DX Association has been researching the Pribilof's submission for over a year. Although initially it was only casual research, the early efforts seemed to point in a favorable direction.

One troublesome aspect of our research on country status for Pribilof Islands has been an unwarranted negative attitude by a minority of DXers. While there will always be a few who reach a conclusion before the evidence is in; we have been more concerned by those who have been hoodwinked by pirates and bootleggers claiming to be on the Pribilofs. The elation of working a possible new one evaporates quickly when the realization occurs that the only "new one" was another victim for a bootlegger's ego. Do this often enough, and a certain negative attitude is bound to occur. Stations claiming to be on the Pribilofs seem to show up at least a few times a year, with KL8AA being a regular for years now. For DXers who get burned by these phonies, the word "Pribilof" actuates a knee-jerk reaction of intense misgivings. The feeling may not be understood by those who have never had a QSO with KL8AA or his buddies, but the association of Pribilofs with pirates and not counting for DXCC is imbedded in more than a few DXers. Counting these islands as a new one would remove this stigma. We hope that those who have been burned by a Pribilof pirate will retain their objectivity when reviewing our evidence for Pribilof DXCC credit.

Many hams who were at first skeptical of country status have had a change of heart once they closely examined the DXCC criteria in light of the distances and geologic data involved. A thorough understanding of Point 2 is a necessity when considering this submission for DXCC status.

# EARLIER PRIBILOF APPLICATION FOR COUNTRY STATUS

The previous application for the Pribilof Islands in 1976 was based on its separate administration under the Department of the Interior by virtue of Point 1 of the Countries Criteria. The action on the Pribilofs was part of a blanket rejection when Point 1 was being abused by such nominations as national parks, etc.

Announcement of the League's earlier denial was published in the November, 1976 issue of <u>OST</u>:

The Pribilofs should not be added to the APRL countries list. No further additions should be granted to the ARRL Countries list under rule (1) of the countries list criteria unless such additions are made by reason of government until such time as the DXAC can conduct a survey to find out the DXers feelings on the matter.

The earlier rejection of a submission by other amateurs should not prevent a consideration of this submission because new issues with a different and more complete analysis are now being presented. The question of whether the Pribilofs fit under Point 2(a) of the Country Criteria has not yet been formally considered.

## QUESTIONS PRESENTED

The issue presented by this petition for country status is: whether the Pribilof Islands meet one of the points in the "Countries List Criteria" so as to be considered eligible as a separate entity for the DXCC Countries List.

In addressing the issue we shall first thoroughly examine Points 2(a) and 2(b) of the Countries List Criteria. Then the rule will be applied to the Pribilof Islands. Our conclusion is that the Pribilof Islands are eligible to be considered as separate entity for the DXCC Countries List.

# DEVELOPMENT OF POINT 2(a) OF THE COUNTRIES CRITERIA

The ARRL's DXCC developed pre-war from country discussions in CSI. Soon it became apparent that a standard reference list o countries for everyone was needed. Like other awards that carry prestige, the rules are based on policies and precedent.

The pre-war DXCC countries list was the starting point for the present DXCC list. A standard list had been developed by extensive consulations and reference to authorities. It was a good list, as far as it went. Much of the older list was take as generally approved and acceptable. Some listings, such as Sootland and England, were continued as universally satisfactory, even if on academic grounds not all were in agreement. Definite criteria to serve as a guide were needed.

Liscussions concerning the ARRL's Countries List with regard to country status and the associated criteria first appeared in CST for July, 1959 (p. 84) and then later in April, 1960 (p. EJ), August, 1962 (p. 88), July, 1963 (pp. 94-95) and October, 1972 (p. 131).

The first clear statement of the criteria appeared in July, 1959. The ARRL set forth for the first time a clear statement of how country status was to be determined. "[T]he League rests the case for a given country decision on three standing criteria . . . " The criteria that determine country status and also any precedents in the ARRL List are given careful examination with respect to each case . . . In the ARRL Countries List the aspects examined as having importance are:

- (1) the degree of political-administrative independence;
- (2) the geographical separation; and
- (3) if the given areas have foreign land between.

Apparently the ARRL then started getting lots of questions about specifically how much "geographical separation" would be required. Less than a year after the publication of the original criteria the League responded with the following:

Some amateurs have asked that we tell them the specific distance that would serve as a guide when applying points two and three . . . . This is possible, since the several applications of the policy made over a number of years make for well-established precedents. Here then are those provisions to answer possible questions such as may arise from time to time:

\* \* \*

2. The geographical separation, with regard to geographical by water where the place in question has no political/administrative sovereignty, it must be at least 225 miles from the nearest land to which it is administratively attached to be considered for separate country status in the ARRL Countries List. This point shall not apply to the islands in a natural island grouping.

QST, April, 1960, p. 80.

The country criteria was reviewed by <u>QST</u> once again in August, 1962 at p. 88. Point 2 (geographical separation) was discussed as follows:

Where a place has no political/administrative sovereignty, it must be at least 225 miles from the nearest land to which it is administratively attached to be considered for separate country status. This point, however, does not apply to islands in a natural island grouping, such as the Marquesas in French Oceania, for example.

By the next summer the League published an expanded and more detailed explanation of the geographical separation criteria. Point 2(a) and Point 2(b) appeared in QST for July, 1963 at p. 94. This was the first appearance of those points in their present form. While Point 4 (regarding "unadministered area") has since been added to the criteria (QST, October, 1972, p. 131), Points 2(a) and 2(b) have remained the same.

To determine whether the Pribilof Islands should count as a new DXCC country requires an examination of the ARRL Countries List Criteria. Here are the relevant portions of the criteria:

(See TDXB Issue 228 - Ed.)

The first paragraph of the Criteria is important because it establishes the continuity and credibility of the Criteria. The phrase "the general policy has remained the same," establishes a consistency for methods of DXCC country qualifications. To any DXer, this consistency implies that his many years of accumulating countries will not be in vain due to a radical change of rules or rules interpretation. The integrity of the DXCC award is directly related to the integrity of the Countries List Criteria.

The first paragraph also states when the specific mileages of Rule 2(a) and 2(b) became effective. April, 1960 and April, 1963, respectively.

# POINT 2(a) OF THE COUNTRIES LIST CRITERIA

In reviewing Point 2, we shall take a step-by-step approach. The first sentence of 2(a) limits the applicability of 2(a) to:

- islands offshore from their governing area;
- (2) where there is a minimum of 225 miles geographical separation; and
- (3) the separation must be one of open water.

Unfortunately, the wording of the first sentence leaves a question as to where the separation applies. Does this mean that the islands themselves are to be separated by 225 miles, or that the islands and the mainland are to be separated by 225 miles? To somone without some prior knowledge of DXCC determinations, the answer is not clear. Such ambiguities can only be resolved by examining past DXCC country decisions, and, indeed, we shall later verify that the second meaning is correct, i.e., the islands and the mainland are to be separated by 225 miles.

The second sentence of 2(a) narrows the application of this point. "This point is concerned with islands offshore from the mainland only." The term "offshore" simply means "seaward" or away from the mainland as opposed to inland, e.g., an island in Lake Michigan or Lake Baikal. Point 2(a) does not apply to islands in mid-ocean which are away from the mainland.

The third sentence of 2(a) further limits the applicability of this particular criterion. "This point is <u>not</u> concerned with islands which are part of an island group or are geographically located adjacent to an island group."

Semantically, any two or more islands form an "island group," but the intent of this point is clear: if an island is part of an island group then for any other island in the group to receive separate country status (from its sister island) it would have to be 500 miles from any other island in its group. The idea is that you only get one DXCC entity for any one island group.

Islands near the mainland are to be considered under 2(a) while islands not near the mainland (i.e., in mid-ocean) are governed by 2(b). Or, put another way, islands offshore from the mainland are "grouped" with other islands for specific mileage determination. The Marquesas Islands example is illustrative.

There is also a definition question regarding the word "adjacent." Depending on the scale, adjacent applies to light years when discussing the cosmos, but on the other hand, subatomic particles may be adjacent" at separations of less than 10 to the minus 30th power. The dictionary defines adjacent as "contiguous, touching," for one definition, or as "near, next to" for another. Once again, it seems as if we will have to rely on past DXCC Country determinations to resolve questions

# POINT 2(b) OF THE COUNTRIES LIST CRITERIA

The first part of 2(b) is much the same as the last sentence of 2(a). Here we see that 2(b) applies to islands or island groups, with no mention of mainland. The 500 mile separation is clearly defined though.

# PRIOR DETERMINATIONS AS GUIDE TO CLARIFICATION

Just reading Points 2(a) and 2(b) does not settle all questions which may arise as to how and when they should be applied. To resolve the remaining questions we must look to earlier determinations under these points for guidance. This process has been suggested by the ARRL when clarification is needed.

It may be worth repeating part of the first paragraph of the Countries List Criteria:

While the general policy has remained the same specific mileages and additional points have over the past 23 years, been added to the criteria. The specific mileages in Point 2(a) and Point 3, mentioned in the following, have been used in considerations made in April, 1960, and after. The specific mileage in Point 2(b) has been used in considerations made in April, 1963, and after. (emphasis added)

 ${\rm \underline{OST}}$  for April, 1960 at p. 80 offered the following assistance to those who sought clarification of the criteria:

Some amateurs have asked that we tell them the specific distance that would serve as a guide when applying points two and three of that discussion. This is possible since the several applications of the policy made over a number of years make for well-established precedents. (emphasis added)

Thus, it is clear that one should look to earlier applications of the criteria to determine how the points fit the Pribilof Island situation. Additionally, since "the general policy has remained the same," we may examine prior decisions to find the proper interpretation, knowing that the same interpretation must hold true today. Much as a lawyer researches past court decisions to determine the exact meaning of the law, we have researched past Country List decisions to determine the exact meaning of Rule 2(a).

#### PRIOR DETERMINATIONS AS GUIDE

Ogasawara, Auckland, Willis and Mellish are all examples of island-countries offshore from the mainland where other islands lie between them and the mainland. The 225 mile distance measurements for 2(a) were obviously made from the island-countries to the mainland only, without regard for intervening islands.

Ogasawara (JD1) is about 520 miles from the Japanese mainland. Muko-Jima and Kishino-Shima of the Ogasawara Gunto are 185 miles from Sofu Gan (Lot's Wife), which is part of the Kampo Shoto archipelago. This island chain stretches along the Honshu ridge towards Japan and counts as Japan. Ogasawara was originally a separate country under Rule 1 as was KR6, Ryukyu Islands, due to American occupation from WWII. In the early 70's, the U.S. returned these islands to Japan. KR6 was deleted because it failed to meet the distance requirements, but Ogasawara remained a DXCC country, evidently because it did meet the distance requirement.

Auckland Island (ZL) is 290 miles from New Zealand. It is 235 from Stewart Island, which is just south of the South Island. Auckland is about 160 miles from the Snares Island group, which is about 130 miles from New Zealand's South Island and counts as New Zealand. Auckland became a "country" on June 1, 1960.

Willis Island (VK) is 260 miles from Cape Grafton on the Australian mainland, but there are many intervening islands. Holmes Reef is 125 miles from Willis at its nearest point, but only 130 from Cape Grafton. Chilcott Island group is 35 miles from the Willis group, but only 220 miles from Cape Bowling Green on the Mainland. Bouganville Reef is 195 from Willis but only 110 miles from Cape Bedford on the Australian mainland. Willis added to DXCC List in January, 1960.

Mellish Reef (VK) is 480 miles from Cape Conway on the Mainland and 375 miles from the Willis Island group. Careful measurements showed that part of the Mellish Atoll is about 220 miles fom the northeastern portion of Marion Reefs. Additionally, one issue of the Rand McNally Atlas shows an un-named reef or island at 17°43'S, 153°10'E, but we were unable to determine if this was actual land or a submerged reef. Cheaper atlases don't show this at all. If real, this would be only 167 from Mellish. One atlas shows this as submerged, and another shows it as an island. The larger the scale of the atlas the bigger the islands get. A small scale shows only a dot for Mellish, for example, where the Time Atlas shows the whole atoll. Additionally, the distance from Mellish to Lithou Reef and Cay seems to be right at 225. The scale of measurements was 1 mm = 9 miles, and is plus or minus 3 miles. There are several reefs or islands other than Marion such as Litou that are closer than 225 miles from Mellish. The addition of Mellish Reef to the ARRL Countries List was announced in OST for October, 1972, p. 131: "This addition to the Countries List is made under Point 2(a) of the criteria."

Parenthetically, we would note that Mellish was added under 2(a) only. Some people have taken the position that both 2(a) and 2(b) must be satisfied, but this is obviously not the case. See the announcement of Mellish being added to the list. October, 1972 OST.

With this data about point 2(a) ambiguities or uncertainties are resolved. First off, it is clear that the 225 mile separation is to be measured from islands to the mainland (only), not to other islands which just happen to be offshore from the mainland. No case was found where an island with common government was closer than 225 miles to the mainland and got separate DXCC status under Point 2(a). Additionally, all of the four DXCC countries mentioned are less than 225 miles from other islands which count as mainland. So we see that for islands "offshore from the mainland," the 225 mile separation means between the islands and the mainland, not just between islands.

To illustrate the point further, consider that the original intention of the 225 mile rule had to be from mainland to island, as it was based on earlier precedents such as the 1958 entry of PYO, Fernando de Noronha, which is 230 miles from Cabo de Sao Rogue, but only 90 miles from Atol das Rocas (which is only 145 miles from the Brazilian mainland).

# DO THE PRIBILOF ISLANDS MEET THE REQUIREMENTS OF 2(a)?

The Pribilof Islands are more than 225 miles from the Alaskan mainland. See maps submitted herewith.

The mainland of Alaska extends to the end of the Alaska Peninsula just short of Unimak Island, which is the first island of the Aleutian Chain. The Aleutian Island Chain extends from that point westwardly in an arc made up of six island groups. Specifically these island groups (east to west) are as follows: (1) Fox, (2) Four Mountains, (3) Andreanof, (4) Rat, (5) Mear, and (6) Komandorsk (part of USSR). Source: Encyclopedia of Oceanography, p. 135. Thus, it is clear that islands of the Aleutian Chain are not part of the Alaska mainland.

The Pribilof Islands are governed by the State of Alaska which exercises its civil and criminal jurisdiction on the islands. Alaska Statute 22.10.010, Alaska Constitution, Article XIV, section 3(14).

By examining the maps attached to this application it is clear that the Pribilof Islands meet the requirements of 2(a):

- the Pribilof Islands are offshore from their governing area (Alaska);
- (2) There is a geographical separation of at least 225 miles between the Pribilofs and the nearest Alaska mainland; and
- (3) The separation consists of open water.

# DISCUSSION

There may still be some concern over the words "island group" and "adjacent," as used in 2(a) and 2(b). Certainly the Pribilois are an island group in the semantic sense, but so is Willis, so is Ograwara, so is Auckland and Campbell, and even Mellish Reef is a collection of reefs, which technically would be considered an island group. Annobon (DXCC status 1972) could also be considered an island group. Yet none of these islands are relegated to 2(b) because they all meet 2(a) requirements.

As for the term "adjacent," it appears that all our examples have nearby islands, many of which count for the mainland and would certainly be considered "adjacent" under 2(b), but that rule just doesn't apply here. Even so, the Alaska DX Association has obtained geological information showing that the Pribilofs are geologically separate and not adjacent to the Aleutians. See, letter from David B. Stone, Ph.D. attached in Section IV.

Mellish Reef is a similar situation — it is located on the Mellish Rise, whereas the nearest islands to it are on the Coral Sea Plateau, a separate geological area. But it appears that none of the other examples even meet this requirement, so the only conclusion is that where 2(a) applies, 2(b) does not.

This even makes good sense. Consider a hypothetical island at, say, 230 miles from the mainland. Along almost any shoreline, one can find small islands, reefs, sand bars, etc., at least some piece of real estate which is separate (if even by only a few feet) from the mainland. Does the presence of such offshore objects mean that our hypothetical country would now be categorized under 2(b)? Such an idea would mean that any island meeting 2(a) would require a search of all the surrounding waters out to 500 miles for any hint of offshore objects. A boulder just off the coast would move our hypothetical country from 2(a) to 2(b).

But this does not happen or our DXCC list would be much shorter today. In fact, Rule 2(a) may have been worded the way it is just to prevent such happenings — giving "offshore" islands the freedom from technical nit-picking over every coastal rock and reef. Certainly our examples corroborate this way of thinking that any area meeting 2(a) requirements need not satisfy 2(b) requirements.

#### CONCLUSION

On this basis, the only reasonable conclusion is that the Pribilof Islands should count as a new DXCC country under Point 2(a). Past interpretations of 2(a) by the ARRL and the phrase "the general policy has remained the same," indeed mandate such a conclusion.

## ADDITIONAL CONSIDERATION

There are certain advantages in considering the Pribilofs as a new DXCC accredited country. We won't have to worry about a governmental ban on amateur radio. Under the auspices of the USA, the Pribilofs pose no problems with licensing or permission to operate which seem to haunt the present DXCC "most-needed" list. Although permission will be needed from the Pribilof Islanders to erect any antennas on their property, this is hardly an insurmountable problem as they encourage tourism and visitation to their islands.

The proximity of the Pribilofs to the North American continent is a positive factor in two ways. First, transportation is available two or three times a week by direct flights from Anchorage. Round trip costs at this time are \$748. While the weather at the Pribilofs is often dangerous for flying, it is certainly less dangerous than a trip to the Spratlys or a landing at Navassa. Secondly, the Pribilofs should be workable for North American, Japanese and European stations on several bands at any point of the sunspot cycle. A new country generates excitement among DXers, but only if it is workable. The recent loss of several DXCC countries seems to have left a "vacuum" in the country list, and the addition of the Pribilofs would help restore the country count.

As a side note, careful research by the ADXA has shown that there are no other Alaskan islands which could satisfy any points on the Countries List Criteria. (See Map (2).)

ADXA members have researched the cultural and political history of the Pribilof Islands. Perhaps the most complete yet succinct writing on the subject is the attached article from Oceans magazine, May, 1983, entitled "A Home to Call Their Own." It is a well-written account of a truly unique experience of mankind.

Even beyond the considerations of Point 2(a), there is a strong appeal to consider the Pribilofs as a new country. There is no doubt that the islands would have been a shoo-in under the old interpretations of Point 1 (separate administration).

The Pribilofs were administered by the U.S. Department of Interior in 1976 when a DXCC application was made under the "Separate Administration" clause of the old Point 1 of the DXCC Countries Criteria. But, this was the same time that the DXAC voted to reject applications coming in under this clause because the clause was being considered for deletion from Point 1. Thus, the Pribilof application was rejected at that time. Had the DXCC submission occurred just a year sooner, or been based upon Point 2(a), the Pribilofs would already be on the DXCC list.

In fact, the Pribilofs may have been on the DXCC list at one time. Many KL7's are familiar with the story that the Pribilofs were once on the DXCC list, but taken off because no operation took place from there. While several phone calls have been placed to confirm this story, consider a quote from OST of October 1982, p. 59 in "How's DX" (in reference to the history of DX of 1976): "Other notes in the November issue clarified topics the DX advisory committee had been studying:

... The Pribilofs would not be returned to the list." So the possibility exists. Perhaps they had not actually been on the list, but had been approved pending operation from there (similar to the recent decision on Peter 1 Island). Whatever the true story, there definitely seems to be past support for separate Pribilof DXCC status. One can't help but feel if a well-researched, well-documented application for these islands had been submitted previously, the islands would presently be on the Countries List. Unfortunately, such a detailed application has never been made. Given only meager data, and poor timing, it is understandable that the Pribilofs never made it. This petition for new country status at last provides the data and detail to include the Pribilof Islands on the DXCC Countries List.

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AP2SQ 14204 14W 19	JX6BAA 14288 15E 18	TL8ER 21011 16E 20	YJ8TT 14310 03W 22
AP2UR 14025 13C 24	TV9CL 3795 03E 10	TL8ER 21026 20E 21	YK1AO 14194 14W 15
AD2UD 14006 12E 2E	TV50T 14102 16W 10	mr opp 21027 200 26	VN1 TCC 21025 21F 22
APZUR 14006 13E 25	JY5C1 14193 16W 18	TL8ER 2102/ 20C 26	INIDCC 21023 21E 22
AZ5ZA 14219 04E 18	J28DP 7004 04E 16	TR8JLD 21029 12E 13	YV10B 1824 02E 19
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A22ME 28560 13E 18	J28DM 14015 ZIE 19	TR8JLD /005 06E 14	DL2GG/
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A35WW 7008 12E 24	J73AH 7025 02M 17	TR8GM 14203 02E 26	ZD7CW 21335 18C 19
A 2 E WILL 7009 12M 24	T72NH 14222 02W 10	ECDEN /	7D97M 21039 19C 15
A33WW 7000 13P1 24	J/3AH 14332 USW 10	r obr n/	ZD01M Z1039 190 15
A4XJO 28615 14E 19	J88BC 3796 03C 14	TT8 14018 20C 22	ZD8RC 21345 22C 25
AAVTH 14015 13F 24	MO TRT /	milanu 21001 15E 19	7 KI VO 21037 23M 18
A4AUW 14015 135 24	M80BI/	102NW 21001 13E 10	ZKIKO 21037 2311 10
A71BK 14190 14W 16	J8 7010 02E 22	TU2NW 21283 14W 19	ZK1CG 14310 03W 19
A71DK 14101 12W 21	WGCDW 21202 21W 10	mg CHR 21200 22W 12	2 1 1 VO 20 50 5 00 W 22
A/1BK 14191 13W 21	KC6DX 21292 21W 18	TZ6FE 21288 22W 12	ZKIXO 20303 00W 22
A71AD 14227 16C 23	(East Carols)	TZ6CY 14190 21C 19	ZKIXL 7005 08E 23
100 110 1100 1 100 10	(Edsc Cdrors)	mm.co.r. 2707 070 22	2K1CC 14310 03M 34
A92NH 14200 14W 10	KC6DX 14310 03W 21	TZ6F1C 3/8/ 0/E 22	2KICG 14310 03W 24
A92AB 21291 14E 19	KC6DS 21292 20C 25	TZ6FIC 3789 06E 23	ZK2RS 3805 09E 22
100DW 14100 150 04	10000 21292 200 25	magnir 14004 Offi 14	EL 3VOL 30E34 01M 13
A92DY 14199 15C 24	KC6HA 21292 22C 25	T30BY 14234 USW 14	ZLZAQI 28534 UIW IS
BV2A 14040 12E 27	(West Carols)	T30AT 21024 19C 15	ZI.70Y 3784 09E 23
D::01 14000 100 00	(MCDC CGEOLD)	maden 01000 001 10	ET 0 A FILL 1 4 2 1 0 0 6 C 1 2
BV2A 14038 12E 29	KG4DX 14190 02W 18	T30DB 21292 20W 18	ZL8AFH 14210 06C 13
BV4AA 14050 01M 17	KH6DX 1826 12C 16	T30AT 21037 19W 24	ZP5AO 14027 02E 24
D14/M1 14050 01/1 1/	KHODA 1020 12C 10	13011 21037 131 21	#01P1 14001 00F 16
BY4AA 14050 02C 1/	KL7Y 1817 08E 24	T77C 21030 1/C 22	ZZIBA 14031 Z3E 16
BV1DK 14015 01E 29	VI 7V 2700 00F 25	DAK 14027 OAF 15	222.TS 7011 04E 22
DITER 14013 OID 23	KL/1 3/09 UOE 23	KpK 14027 041 13	-011- 01000 100 20
CEØAE 28605 23W 19	KD7P/	RØK 3506 23E 16	Z21AR 21292 18C 22
CEMAE 28594 18E 21	ИНЗ 7010 13M 24	PAK 14026 01C 16	179A 14172 13C 17
CDPRE 20094 10E 21	KIIZ /UIU ISM Z4	TL8MM 14040 22M 19 TL8ER 21011 16E 20 TL8ER 21026 20E 21 TL8ER 21027 20C 26 TR8JLD 21029 12E 13 TR8JLD 7005 06E 14 TR8JLD 7006 00E 15 TR8JLD 3505 00E 16 TR8JLD 7009 06C 21 TR8GM 14203 02E 26 F6BFN/ TT8 14018 20C 22 TU2NW 21001 15E 18 TU2NW 21283 14W 19 TZ6FE 21288 22W 12 TZ6FY 14190 21C 19 TZ6FIC 3787 07E 22 TZ6FIC	107B 141/2 130 1/
CEØAE 7179 07C 22	N2EDQ/	UA9AEC 7006 05E 16	1Z9A 14175 14E 18
CO20B 102E 0EF 10	WHT 14210 02M 22	117 GADN 14226 02E 26	1791 14214 146 19
CO2QR 1023 03E 13	KH / 14310 USW 22	UAPADN 14220 02E 20	1238 14214 140 13
CO7RG 3793 03E 20	VE7BBC/	UO5GO 1850 05E 15	1Z9A 14227 15C 23
CM2HD 7009 00F 22	PHO 14100 OFF 21	TIT 70AD 3503 03F 34	3A 2TF 14217 15F 18
CM2RR 7000 00E 22	KH8 14188 USE 21	UL/CAD 3503 02E 24	JAZEF 14217 13H 10
CN8ES 3788 06E 14	K2FJ/	UL7IEI 14028 12C 28	3B8CF 14225 04W 15
CNIONO 20520 145 10	WITE TOTA 12W 22	UUODAD 1401E 12C 20	2DOCE 2506 02F 15
CNZAQ 28520 14E 16	KH8 /UIU I3M 23	UH8EAD 14015 12C 20	350CF 3300 02E 13
CP6IM 3792 06E 23	KHØAC 14227 17W 18	UH8DC 1853 03E 23	3B8CF 10107 02C 17
CMADD 1022 OCE 15	WYCDY 2500 11D 20	HITOTOD 14016 130 30	200CE 2507 02C 23
CT4BD 1832 06E 15	KX6DX 3508 IIE 20	018LBB 14016 13C 20	3BOCF 3307 02C 23
CT3BM 3790 09E 25	KX60C 28025 00M 21	HT8AAO 14009 13E 25	3B8FK 14019 14E 25
GW0GAP 1005 04G 04	WW.60- 20023 0011 21	WT03T 14006 13D 3E	2D 2ED 2700 12E 17
CY95AB 1835 04C 24	KX60R /095 13E 25	U18A1 14006 13E 25	3DZFR 3/86 1ZE 1/
C21BD 28566 21W 21	TA7XP 1827 03E 14	HT8LBB 14006 12C 28	3D2FR 3788 10E 24
201DD 2700 00D 22	DA/AI 102/ 03D 14	WW0.TDD 14011 120 20	20200 7002 12F 2F
CZIBD 3/90 08E 23	LXIPD /032 00E 20	UK8JBD 14211 12C 20	3DZFR 7093 13E 25
C30LAZ 14227 16C 23	DL6VE/	HITSSAD 14155 02E 26	3D2DX 3795 12E 28
05217 2700 020 15	DE015/	WOVEN 14227 150 22	3DCAT 21303 20M 24
C53AL 3/98 U2C 15	LX 3509 02E 24	UMBMCY 14227 15C 23	3D6AL 21303 20M 24
C53AL 3796 OLE 21	ODSIV 7005 04F 28	HK8MEA 14160 12E 26	3V8PS 28545 15E 19
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DU/TLC 28566 UIW 13	OK2PG 1834 06E 19	UM8MBA /UUZ ZZE Z/	3V8PS 3645 U4E 24
DILLCK 21305 01M 27	OV311D 14040 13F 13	UKANG 14203 03W 19	3X4EX 3798 01C 15
- 11-2 01020 020 05	ONJUD 14040 13H 13	VROND 14205 CSM 15	201100 2705 270 15
D44BC 21259 20C 25	OX3BA 14090 02E 29	VK9NS 3/9/ IIE 24	3X4EX 3/85 U/E 15
EASEK 21028 19E 25	(pmmv)	VD8AG 7011 05M 13	3X4EX 14236 01W 17
DROIN ZIOZO IDE ZO	(KIII)	VIOND FOIL CON 15	20000 150 10
EA8QU 1833 U6E 15	OY7ML 1834 07E 15	VP8KF /005 23E 14	3X4EX 3856/ 15E 18
EASACT, 3504 OOE 15	OVOD 21327 1AF 19	VD8KE 14027 03E 15	3X4EX 21335 18C 19
ENONCE SSO4 COE IS	OI 9K 2132/ 14L 13	VI OKI 14027 032 15	2114211 14226 0011 10
EA8AFS 3800 01E 18	OY8R 3799 01E 24	VP8KF 14195 03E 16	3X4EX 14236 UUW 19
EARXS 21339 18C 22	DI2TE 7005 01E 17	VIDRED 14222 OOW 19	3X4EX 14193 03E 19
DAOAD 21555 160 22	F0 30 B 700 3 0 1 E 17	VI OH 14222 OON 15	3N 4DW 7000 07D 33
EA8JE 285// 16E 22	PZ1DV 7002 01M 13	VP8KF 7074 08E 20	3X4EX /080 0/E 23
EA9KE 1825 04E 21	D29KV 7010 12F 21	VD8KE 14195 23C 21	4K10AV 7005 23E 16
DAJKI 1025 OTE 21	F29K1 7010 12B 21	VFORT 14195 250 21	10707 14006 00H 16
EA9IE 3787 07E 22	P29KY 3506 11E 22	VP8KF 14185 12E 24	45/CF 14206 02W 16
FR8W.T 14225 04W 15	D20AV 14100 12F 24	VDRID 14211 02E 26	457CF 14210 13W 19
TD0W0 14223 04W 13	F 2 3 A A 141 3 0 12 1 24	VIOLI 14211 021 20	10701 14110 100 11
FB8WJ 14226 03E 18	P29JM 21292 20C 24	VQ9GE 14208 14E 25	45/EA 1419/ 13C 21
FB8WK 14024 13E 22	D20DD 3504 13M 25	VP6KV 3807 11C 17	4S7EA 14210 12E 24
TDOWN 14024 150 22	F29FR 3304 13H 23	VKOK1 3007 110 17	407ER 14016 12D 2F
FB8WK /003 03M 23	P29KY 7009 14M 25	VR6KY 21295 23C 23	45/NE 14016 13E 25
FB8WT 14227 17E 24	D29.TM 21292 20C 25	VR6KV 7183 12E 24	4S7NS 14022 13E 25
DOOR 2512 025 00	220H 21272 200 23	TOTAL 14006 140 05	407NMD 14201 120 20
FCZXN 3512 23E 20	SP9DH 1833 03E 23	VS51 14006 14C 25	45 /NMK 14201 12C 28
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FU8GQ 14224 U3E 18	ST2 3800 00E 16	VS51C 212/6 00M 2/	4010N 21024 22C 22
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TOOM 3000 331 23	DI JNU/	VOCC1 1422/ 0011 15	40 4DV 2700 04D 12
HL9SN /006 14M 12	ST2 29510 14E 18	VS6DO 7011 12E 21	4Z4DX 3/99 04E 13
HL2GS 28585 01W 13	DE3NZ/	VII2TS 7005 13C 14	4X4NJ 1832 03E 14
HEZOD 20000 01W 10	DE SNU/	V0210 7000 100 11	411410 1002 032 11
HL1SF 28562 00W 22	ST2 3798 03E 23	VU2DZ 14227 02W 16	5H3BH 21280 18E 20
HIJCX 7006 13C 25	DE 3N7 /	VII2BET 14200 14W 17	5H3BH 21335 19C 22
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W4US/	ST2 3799 04E 24	VU2GI 21360 15E 18	5H3BH 21292 20C 24
HR1 1829 OIE 17	SVØAA 1831 OAR 15	VII2KMK 7009 13F 19	5NIARY 3796 03E 13
1111 1025 01B 1/	DANKE TOOL OAD TO	402KHK 1003 IJI IJ	711 TILL 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1
HV3SJ 14202 15W 19	SV50X 1833 03E 21	VU2JNA 14191 13W 21	YU3KI/
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117300 21300 1411 23	5750A 7003 04E 2I	VUZVO 14010 13E 24	5113 21020 000 22
HZ1AB 21026 13E 16	TAØA/2 21025 13E 14	VU2GI 21301 14C 24	5N1ARY 14212 01E 26
HZ1HZ 14027 20F 19	TA111A /2 21025 12F 15	VII2GT 21300 15W 24	5T5CT 7086 08C 24
110 1110 1402/ 205 19	TATUM/ 2 21025 13E 15	VUZGI ZISUU ISW Z4	J1300 7000 00C 24
HZ1AB 7003 02E 23	TA2TAT 7014 22E 27	N4JDX/	5W1DC 7007 13C 15
HZ 1AB 7006 14M 25	Wanne /	V3 21027 23F 24	5WIDC 21026 21F 22
115 TAD 7000 T4M 23	M3119/	VJ 2102 / 2012 24	31110 21020 21E 22
H44IA 28528 02W 13	TF 14058 21E 19	XT2BJ 21003 15E 20	5WIDC 7006 11E 24
HAATA 3787 NOF 22	TILOS 14022 06F 21	YTORR 14194 OOF 21	57.4MX 21024 19C 17
11441W 2/0/ 03F 72	101Q5 14023 UOE 21	A12DK 14194 UUE 21	554MA 21024 19C 17
JL1MRT 28020 23M 22	TJ1AF 21335 21W 21	XT2AW 21007 17C 25	5Z4JR 14025 14E 25
TD1BBC 3795 13W 20	TT 9ED 14009 22M 12	VRAMD 14188 13M 10	6W1HI, 21335 17W 12
07 MCT C6/C DGGTGG	ILIOEK TAUUS ZZM IZ	TDWK T4T00 T3W T3	OWILL CCISS IN IZ
JT1BR 14021 00E 24	TL8CK 3795 05E 16	YBØWR 14186 13C 20	6W1KY 28560 13E 18
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011DK 14030 02C 23	1 DEK 20503 14E 10	1DWK 3/93 23E 21	2.22.02.02
JT1AO 7005 08W 26	TL8MM 14041 20E 19	VP8KF 14185 12E 24 VP8LP 14211 02E 26 VQ9GE 14208 14E 25 VR6KY 3807 11C 17 VR6KY 21295 23C 23 VR6KY 7183 12E 24 VS51 14006 14C 25 VS51C 7001 14M 25 VS51C 21276 00M 27 VS6CT 14227 00W 19 VS6DO 7011 12E 21 VU2TS 7005 13C 14 VU2DZ 14227 02W 16 VU2BEJ 14200 14W 17 VU2GI 21360 15E 18 VU2KMK 7009 13E 19 VU2JNA 14191 13W 21 VU2VS 14010 13E 24 VU2GI 21301 14C 24 VU2GI 21301 14C 24 VU2GI 21301 15W 24 N4JDX/ V3 21027 23E 24 XT2BJ 21003 15E 20 XT2BR 14194 00E 21 XT2AW 21007 17C 25 YBØWR 14188 13W 19 YBØWR 14188 13W 19 YBØWR 14188 13W 19 YBØWR 14186 13C 20 YBØWR 3795 23E 21 YI1BGD 14227 16C 22	MORE

# MORE BANDPASS ...

6WlHL 2	1335 18C 19	8Q7AH	14204	13E	25
6WlDY 3	787 07E 22	9HlDV	7003 2	22E	13
7P8CL 1	4193 06E 22	9H1CG	1831 0	3E	22
7P8CL 7	004 01E 24	9H1BB	3789 0	2E	22
7Q7LW 2	1292 19M 24	9H1CG	1840 C	4E	23
7Q7LW 7	005 04E 28	9H1BB	1832 2	3E	28
7X2LS 3	799 05E 16	9J2LG	28480	13E	18
7X5PCY	28585 15E 19	9K2BE	1827 0	2E	17
7X5AB 1	847 05E 21	9K2BE	1831 0	3E	23

9N1RMK 14202 12E 27 9N1MM 14204 12E 27 9U5JB 21262 18E 26 9V1VP 14194 17E 24 9X5JB 14174 18E 25 Please mail reports to reach PO BOX 873, Vernon CT 06066 by Wednesday.

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		HV3SJ	IØDUD	1
DX CALL	QSL TO	J37XC	W2BJI	1
AH3AA/KH9	Wlisd	KG4DX	WB2CPV	1
AH8/DL1VU	DB5UJ	LXØWCY	LX1BI	1
AZ5ZA	LU2A	NA2E/KP2	NA2E	1
A22BW	DK3KD	OA8CP	N4CQ	1
A22ME	AK1E I	ОНЙВН	OH 2 BH	- 1
A22TE	AK1E	OX3LV	W3HNK	1
A4XYS	W4FRU	SV1OL/5	SV1NA	1
A71BK	G4HNP	TRØAB	F6AJA	1
A92NH	W8LU	TR8SDP	F8BC	1
CEØAE	WA3HUP	TR8WCY	TR8JLD	1
CT 2DV	CT1CFT	TU2MY	WB5EPL	1
CT2EE	WA7GXD	T3ØCT	DL7NS	- 1
CX5RV	G5 RV	T77C	MlC	1
CYØSAB	VELAJH	UK1PGO	UK3SAB	1
C53AL	KA2CDE	VP2KBZ	VE3KZ	1
DL7NS/HBØ	DL7NS	VP2MKY	KY5R	1
FB8YK	F6EMY	VP2MSS	KN3P	1
FG7CO	FG7BT	VU7WCY/DQP	VU2GDG	
FG7CP	FG7BT	VU7WCY/GDG		1
FKØAQ	F2BS	VU7WCY/GO	VU2GDG	1
FM7WS	F2BS	VU7WCY/TS	VU2GDG	1
FR7AI/T	FR7AI	WlBIH/PJ2		1
FY7YE	W5JLU	W6KG/CP6	YASME	- 1
FY7YE/FM7	W5JLU	XT2AU	WAlzez	1
HC1SK/8	SM6DYK	YBØARA	K6DLV	1
HI8LC	W2KF	YB2ARH	K2ROR	

YS9RVE WAØJYJ ZC4BI G3KGB ZC4SR BURO ZS1XR N7RO 3X4EX N4CID 4K1ANO **UA3AEL** 4S7EMG DL7EM 4T4WCY YASME 5B4LP KA3FIB 5J5LR HK3SO 5R8AL WA4VDE 5W1EU VE3XJ 6UØWCY DF7ZH 6W1CK DL1HH 9K2BE G4GIR 9M2HB N4FFN 9U5JB ON 5 NT 9Y4IH WB3AKI

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THE W6GO/K6HHD LIST PO BOX 700 RIO LINDA, CA 95673

# QSL MANAGERS LIST

Beginning our FIFTH year of publication. We have satisfied subscribers all over the world. Some folks say it pays for itself in postage savings. Updated continuously, published monthly. QSL Managers listed for over 5000 DX stations.

US/VE/XE: OVERSEAS AIRMAIL: \$15 - 12 issues \$25 for 12 issues \$1.75 each \$2.80 each (US\$)

# CALENDAR

ATØA by VU2IF continues through March ANTARCTICA G8GRN/5X 14.160 @ 2000Z, 14.220 @ 0700Z UGANDA N COOKS ZK 1MA by K60ZL now to Mar 20 Colvins due from Chile/Easter/J. Fern. YASME ZL8AFH various bands @ 07-09Z; ZL1AMO KERMADEC group due on in March More activity on 20 CW now; VE7BC and CHINA others going there end of Mar; I 221 VP8KF by G3VPW very active; until end of Mar We have been pushing the PO BOX FALKLANDS VU2GDG rumored having permission for Mar/Apr 873 because the street address ANDAMANS ZM7VU by DL1VU now; CW only TOKELAU SPRATLY 1S1CK QSLs count now for DXCC; I 229 FOØXU-XZ starts approx Mar 10; I 229 CLIPPERTON KJ8G/6Y5 ends Mar 14 JAMAICA Anybody hear XQ9BSC??? S SHETLANDS B.V.I. VP2VID by W4JVN cancelled

OGASAWARA

IVORY COAST

BERLENGA IS.

CONTEST

OMAN

DEADLINE

By JOICLZ, JOIGOF, Mar 27-30

Special calls in March: I 229

GFT activity Mar 9-26; I 226

Honor Roll QSLs in Newington by Mar 30

CQ WPX SSB Mar 24/25

CTØBI Mar 16-18; I 226

# NOTICE

By the time you read this, TDXB will have a new phone number, barring a disaster:

203-742-7124.

We are fairly certain that if you call the old number the phone company will give you the change. will no longer be operative when you read this.

# CONTRIBUTORS

KA1BU, KH1BZF, KB1BE, YASME, DX News Sheet, W4JVN, DA2ER, KAIXN, WIPNR, K6IR, W7HRD, KRIG, TU2NW, JHIFDP, WAØQZW, K4DLI, W6OAT, XEIXMT, AB8K, N9CPW, NØEKK, WB8ZRL, W4BAA, W3YY, KØCVD, WØBW, WB5ZKR, W7YF, WB1CNM, KA3R, WD5AAM, WINH, KINH, AI3E, K8EM, KQ1F, KIXM, KØCS, KM9J, NDØJ, KIMEM, K4BAI, KIMM, WB2IJM, K2OLG, KE7X, ⊀L7Y, W4VQ, K8GG, N4NO, W8UVZ, KØNN, KA1KD.

FLUSHING NY 11366 75-02 168TH STREET JACK GUTZEIT, W2LZX

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