

THE



DXer

OCTOBER 1988

VOL XLI - NUMBER 10



October Meeting

Friday, October 14th will be the next regular meeting of the NCDXC. The meeting will start at about 6:00 PM for dinner and at 7:00 PM for the business meeting and guest speaker. The meeting will be held at Harry's Hofbrau in Palo Alto, near the Palo Alto airport. The speaker and subject will be announced on the Thursday evening net.

October Events

- Oct 9 - RSGB 21/28 MHz SSB Contest.
- Oct. 8-9 - DXPO '88 Falls Church, VA. Info: contact Stu Meyer, W2GHK.
- Oct 8-9 - VK-ZL Oceania Contest CW, 1000Z Oct 8 to 1000Z Oct 9.
- Oct 14 - 6:00 PM, NCDXC meeting at Harry's Hofbrau, Palo Alto airport.
- Oct. 14-16 - ARRL Pacific Division Convention, San Jose.
- Oct. 29-30 - CQ World Wide DX SSB contest, 0000Z Oct 29 to 2400Z Oct 30.
- Oct. 30 - Deadline for November DXer input.
- Nov. 25-27 - CQ World Wide CW contest.

QST NCDXC

Please check the line above your name on this DXer label. Is the FCC license expiration correct? If the line above your name is blank, it means I don't have the license information. The reason this information is on your label is to remind you to renew. We started doing this a couple of years ago when one of our members lost his 1X2 call, and is lucky he didn't get cited for operating without a license.

Please catch me on the repeater or better yet because of my working schedule, call on the phone after 0930 (I need my sleep). Feel free to leave a message on my answering machine if I'm not home. Phone (408) 988-1058.

Thx, Martin, KB6BW, Data Base Manager

THE NORTHERN CALIFORNIA DX CLUB, INC. PO BOX 808, MENLO PARK, CA 94026

The *DXER* is the bulletin of the NCDXC and is published monthly for the benefit of its members. Permission to use any portion of this publication is hereby granted, provided credit is given to the *DXER*.

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NCDXC REPEATER W6TI/R

Input 147.36 Mhz; Output 147.96 Mhz; Simplex 147.45 Mhz
 Trustee: Bob Vallio, W6RGG
 Repeater Committee Chairman: Lou Beaudet, K6TMB

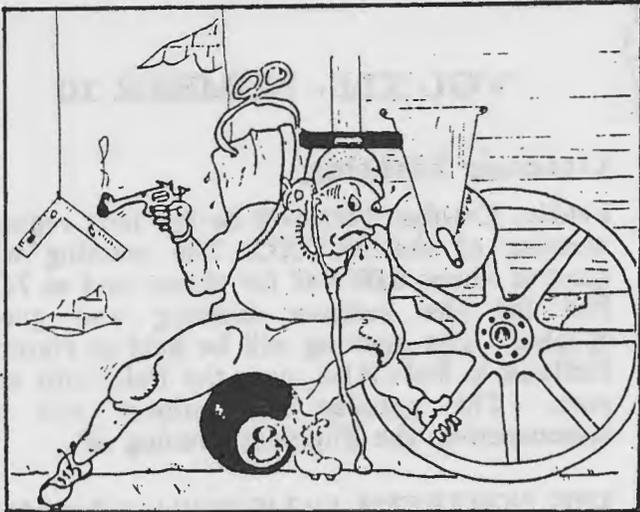
NCDXC THURSDAY NIGHT NET

On W6TI/R Thursday at 8:00 PM local time.
 Operations Manager: Ralph Hunt, AG6Q
 DX News: Phil Garrahan, W6LQC
 Propagation: Al Lotze, W6RQ
 Contest News: Bob Dorse, K4UVT
 Westlink: Dave Bottom, KD6AZ
 Swap Shop: Steve Munro, KZ6Z
 QSL Information: Jan O'Brien, K6HHD

NCDXC DX BULLETIN BROADCASTS

Trustee: Bob Vallio, W6RGG
 W6TI, the NCDXC memorial station broadcasts DX bulletins each Sunday at 1800 PST (Monday 0200 UTC) on 7.015 Mhz and 14.002 MHz.

PORTRAIT OF A DXER



He is a square shooter, on his toes, and on the ball. He has both feet on the ground, his shoulder to the wheel and his nose to the grindstone. He keeps a stiff upper lip and his ears to the ground. Last but not least, he has a level head and keeps cool at all times.

de KE6ZE

Well we are off to a flying start. Don't know if anybody else saw it, but the first thing noticed on my mailed copy of last month's *DXER* was that it had the wrong month at the mast head. Oh well, it was the correct month when it was being put together.

The *DXER* actively solicits any and all ideas for inclusion within its pages. However, please write up your contribution in a format that will "plug" right into the *DXER*. A little explanation may help to understand why this request is made. It takes about 8-16 hours over four or so evenings to put together a *DXER*. In order to keep the time to this small amount; a typist enters the contributed material into a computer exactly the way it is written. If it is written as an idea to the editor, it can't be just typed in. It can take a fair amount of time to make an article from ideas (so far about an hour and 1/2 has been spent writing and re-writing this editorial).

Anyway, it is still fun, just hold down the creative writing need. Now we all know why we didn't hear W6CF on the air too much over the last two years.

Lots of items were received this month to put into the *DXER*. Some of them of pertaining to recent events. So, rather than discard or save them for a empty *DXER*, they were all put in this issue. At the same time some other more routine items were kept. Hopefully, this will provide some variety. Let the editor know your desires. The expansion of DX items is being aided by Jim, W6CF. In Jim's new capacity on the DXAC he is able to provide the *DXER* with more input than he was able to in the past (as *DXER* editor). While the credit line may not say W6CF, a lot of stuff comes to be in the *DXER* via W6CF. Once again we owe thanks to Jim.

Only a few suggestions for changes have been received and they are going to be addressed as they pop up. Thanks to all of you who are contributing, keep it up. Meanwhile, how about hearing from the other 370 of you out there?

Best regards and good DX, Dave

Error in BOD Minutes

I received the following note from Bruce Butler of Napa, Ca. "Dear Tom--In the September issue of the *DXer* you mentioned under the Board meeting that the "Napa Valley NCDXC members would hold off making a request for a 220 link" etc....It was not the Napa Valley NCDXC members but the membership of the Redwood Empire DX Assn. out of Santa Rosa.

To the best of my knowledge, there are only two of us in Napa Valley who are NCDXC members and we access the link directly. 73 Bruce W60SP"

Please in the next issue of the *DXer* correct the identification of the individuals from Santa Rosa as they are not considered to be in the 'Napa Valley.'"

Respectfully, K6TS, NCDXC Secretary

Minutes of the September 1988 General Meeting

The September meeting of the NCDXC was held as a Picnic at Coyote Point Park. No regular meeting was convened. A good time was had by all.

Thomas F. Jones, NCDXC Secretary

Treasurer's Report, September

Checking Account Activity

August Check Balance	\$2,966.25
Deposits from Dues	2,773.00
Other Receipts	489.00
Subtotal	\$6,228.25
Accounts Payable	-926.94
Current Balance	\$5,301.31

Bank of America Savings \$10,891.00
Includes reserve for QSL
purchase \$500.00

Certificate of Deposit \$7,481.51
American S&L—one year at
7.4% annual yield

Stan Kuhl, K6MA, Treasurer

WA6IVN, Silent Key

Former NCDXC member Steven Eichman, WA6IVN, passed away September 3, 1988, after battling cancer for over 20 years. Steve was 42 years old when he died, and 20 years old when he joined the Club in October 1966. His father, Ray Eichman, WAIVM, joined in August 1963. Ray is 78 years old, still working JA/s, and climbing his towers. I know that many of us remember Steve & Ray and send our condolences.

Ron Pantan, W6VG

The Archives

The NCDXC archives, the depository of Club records from Volume 1, Number 1, of the

Northern California DX Club, *DXER*

DXER, issued in July 1948, to an array of other Club records of historical significance. This is the place we all know about, but seen only by the privileged few. It is on these dusty shelves the history of the NCDXC lies, protected only by a moat filled with hungry crocodiles and alligators. There is a deep reverence for this place, a mausoleum, a catacombs of records. One can trod through the columns of time and retrieve Club information in computer-like fashion. The neat arrangement and the superb filing system are mute evidence of the care and consideration provided to this facility.



Credit for all this must be given to Ron Pantan, W6VG, our tireless historian and archivist. It was Ron who took the accompanying photo, succumbing to the pressures of Club members whose curiosity was boundless. For this, we thank Ron for giving us all an

insight of what the NCDXC archives really looks like.

Hal, N6AN and Ron, W6VG

DXpeditions

PJ2FR

I plan to be in Curacao this October for the CQWW Phone Contest, signing PJ2FR. I will be trying for a WORLD RECORD and need to work as many Club Members as possible. The best times to find me will probably be the following:

10 Meters 1800-2100Z
15 Meters 2100-2300Z
20 Meters 0000-0300Z
40 Meters 0700-1000Z
80 Meters 0700-1000Z
160 Meters 0700-1000Z on the hour

This record has been held by N6AA of Southern California for the last 8 years or so. I would love to bring it to Northern California! Thanks for your help.

Please QSL via KI6EZ for any of my operations.

73, Rich, N6KT

OH1XX/CT3

Hannu, OH1XX, and Martti, OH2BH, will be traveling to CT3 to build up what they call the block-buster contest signal of the 1980's. Hannu will put a lot of effort into trimming up and operating 160/80M and is due to sign OH1XX/CT3 between October 20 and 27. Martti - also known at CT3BZ - will remain on the island for another week to cover the CQ WW Phone Contest. He definitely needs your business since he is targeting for nothing less than a world high score.

In the prize department, Martti is promising a contest-related T-shirt for everyone working them on six bands - the design is not revealed yet but the shirt is described as "a piece of art" - and made of good material, too.

T28RK

Jim, K8JRK, will operate CQ Worldwide SSB from TUVALU (OC-15, Zone 31). He will use the callsign T28RK from October 28 through November 1. He asks for suggested best times on 20 and 15 to Africa, Central Europe and the Caribbean, via a note or card to him prior to the contest. His home call is the QSL Route, good in any call book up to 15 years old. (801 South Oxford, Grosse Pointe Woods, Michigan 48236)

17 Meters

The FCC has issued a proposal, Docket 87 467, to permit amateur operation in the 17 meter band, 18.068 through 18.168 mHZ. In this proposal, the entire 17 meter band will be available for general, advanced and extra class licenses with a maximum of 1.5 KW PEP output. The band would be divided into a CW and digital sub-band at 18.068 through 18.110 mHZ and a phone sub-band at 18.110 through 18.168 mHZ. In its proposal, the FCC said it desired to make the band available to amateurs by July 1, 1989. ARRL Headquarters has only received a news release on this proposal. Further details will appear in November QST and the ARRL letter.

Hal, N6AN

Malyj Vysotskij Island - 4J1FS Operation

A complete presentation regarding the country status of M-V Island as well as licensing of the 4J1FS operation will be submitted to the ARRL DXAC by September 10 for their final consideration. A number of additional documents were needed extending the full presentation to some 30 pages. The outcome of ARRL deliberations is scheduled to be announced during the month of September.

There is another all-band M-V Island operation tentatively scheduled by OH operators for May 1989. The M-V Island licensing authority has agreed to consider a special callsign assignment for the island. Presently, the Finnish licensing authority has no jurisdiction over M-V Island since total administrative power is in

the hands of the Finnish-based Saimaa Canal Authority (SCA).

Look for another M-V outing - it will be announced as soon as the ARRL DXAC and HQ have completed their study of the issue. 4J1FS QSLs are being processed and will be mailed by early October.

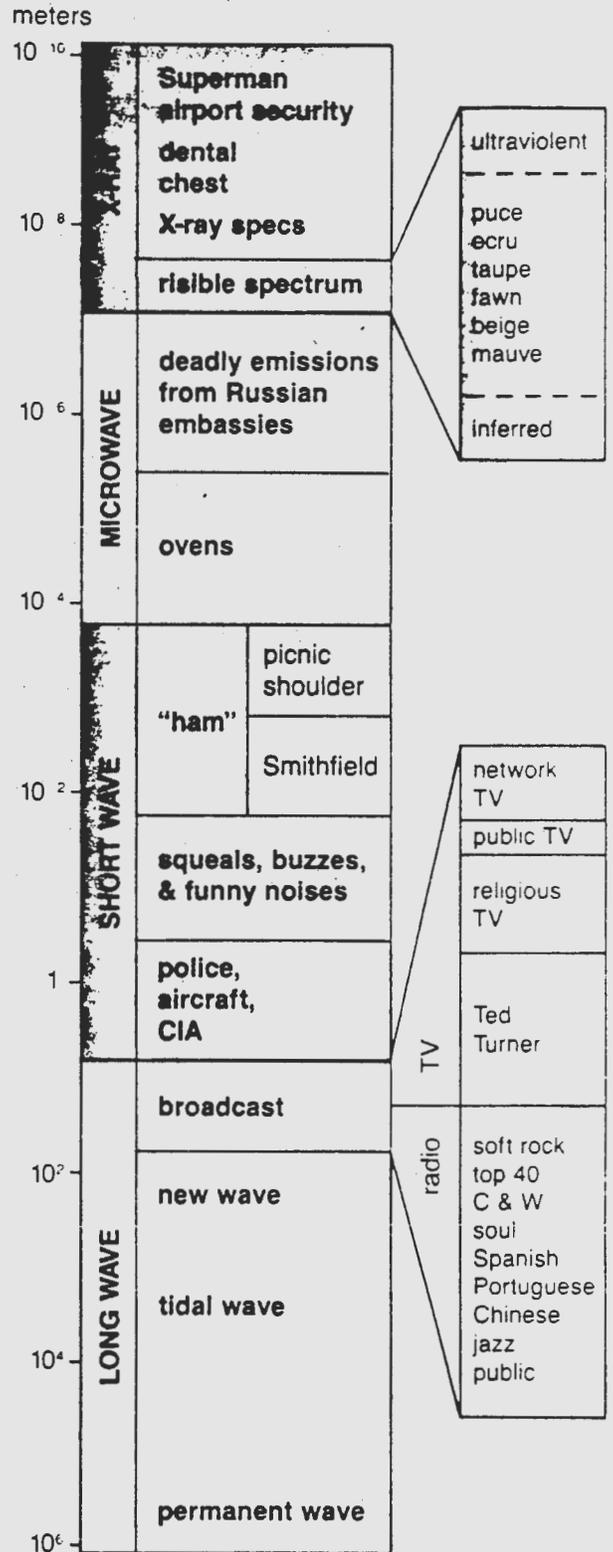
ed note: Enclosed is a copy of the 1970 ARRL letter about DX country status for M-V island, and a map locating the island.

The Doctor Cometh

The *DXER* production was moved up several days to allow your editor to go on a business trip. This did not allow time for the President's column or the Board of Directors' meeting minutes to make this issue. (ed)



Is this W8MEP?



THE ELECTROMAGNETIC SPECTRUM

All heated bodies emit radiation in the form of waves. The type of radiation depends on the length of the wave.

October 1988



THE AMERICAN RADIO RELAY LEAGUE, INC.

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111

November 17, 1970

Mr. Armas Valste
President, S. R. A. L.
Lansipehontie 12
Helsinki 39,
FINLAND

Dear OM:

This will acknowledge, with thanks, your submission of the material and request for consideration of the Saimaa Canal for separate country status on our Countries List.

Your very thorough documentation is very much appreciated as otherwise it is doubtful whether we would have been able to arrive at any consensus at all.

While the consensus of the committee is that the Saimaa Canal itself cannot be considered as separate. (the consensus here is that since the canal starts in Finland, the portion which runs through Russian territory is simply an extension of Finland) we can, however, agree that the island of Malyj Vystoskij can be considered as separate under point 3 of the criteria.

By terms of the agreement with Russia the island is leased to Finland and therefore it is considered to be Finnish territory. Since Malyj Vystoskij is the only island mentioned, and it is specifically mentioned, the islands which lie between Malyj Vystoskij and Finland are Russian territory. Enclosed is a page from QST which gives the criteria and the portion under which Malyj Vystoskij can be considered as separate is underlined.

At such time as operation takes place from Malyj Vystoskij we will make an official announcement of its addition to our Countries List. If you will advise us at the time such operation will take place we will quite likely be able to give the expected operation WIAW Bulletin coverage.

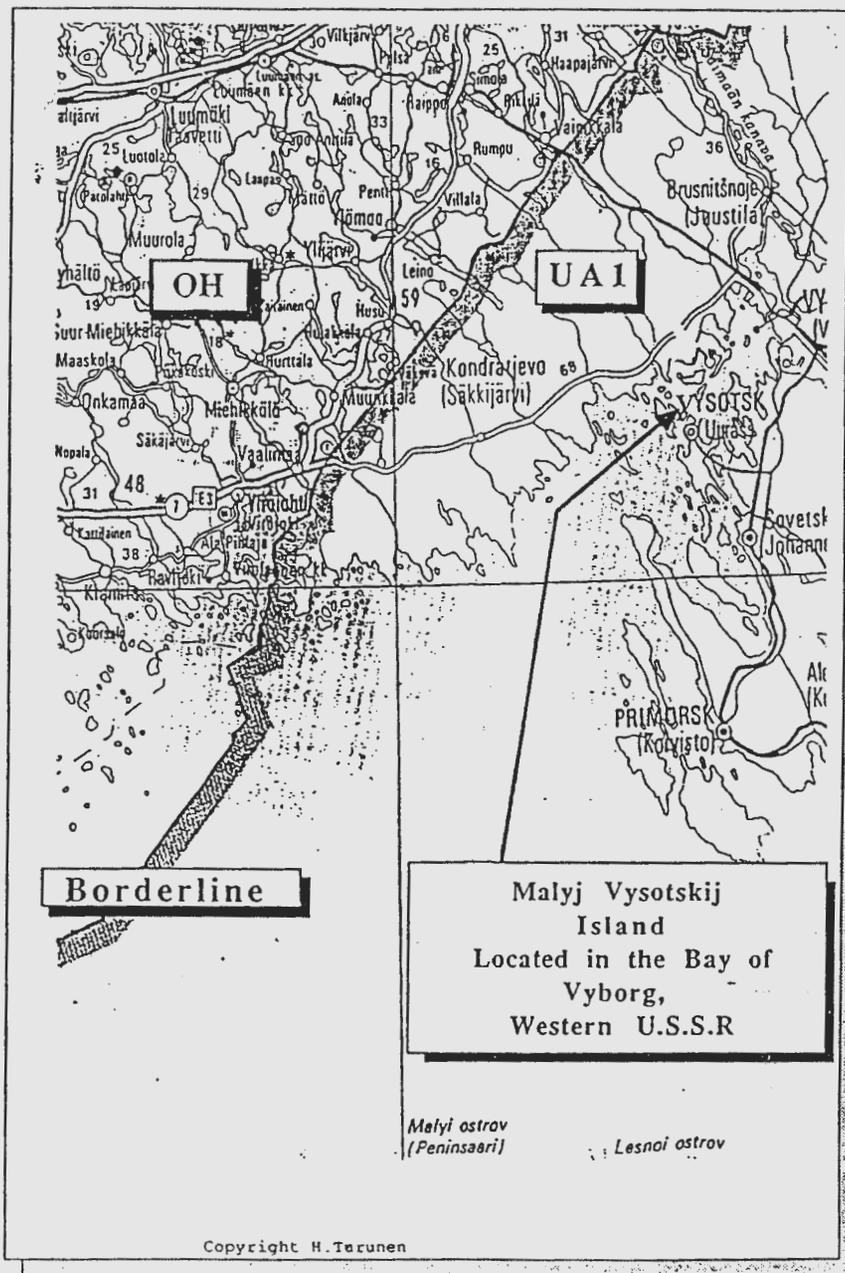
73-DX,

R. L. White, W1CW
Assistant Communications Manager

RLW/fr

SINCE 1914 - OF, BY AND FOR THE RADIO AMATEUR

ROBERT W. DEWING...
WIDE PRESIDENT
CHARLES G. COMPTON...
WORLD FIRST VICE PRES
ROEMER O. BEST...
WORLD VICE PRES
CARL L. SMITH...
WORLD VICE PRES
DAVID H. MOUNTAIN...
TREASURER
JOHN HUNTOON...
WORLD SEC & GEN. MGR
QST
OFFICIAL ORGAN



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DXpedition to Rotuma

The NCDXF made an announcement Saturday, September 10, of a major DXpedition to Rotuma Island. The NCDXF believes Rotuma will count as a new one for DXCC purposes.

Rotuma is the principal island of a small group which lies about 280 statute miles north northwest of Fiji at 12.27 south latitude by 177.7 east longitude. It is administered by Fiji.

Rotuma has been considered before for DXCC status and, in our view, rightfully rejected by the DXAC as not qualifying under the then-existing DXCC rules. However, when the ARRL Board of Directors adopted new wording for the DXCC rules in January 1988, they made a change to Rule 2 which now seems to qualify Rotuma for separate country status.

Prior to January 1988, one had to make a distinction between "island nations" and "mainland nations." Old Rule 2(a) stated "Islands situated offshore from their governing area must be geographically separated by a minimum of 225 miles of open water. This point is concerned with islands offshore from the mainland only. This point is not concerned with islands which are part of an island group or are geographically located adjacent to an island group." Old Rule 2(b) then went on to say "Islands forming part of an island group or which are geographically located adjacent to an island, or island group, which have a common government, will be considered as separate entities provided there is at least 500 miles of open water separation between the two areas in question."

Fiji clearly is an island nation. Because Rule 2(a) applies only to islands offshore of "Mainland" nations, Rotuma could not qualify under old Rule 2(a). Further, since Rotuma is but 280 miles away from the adjacent Fijian island group, it could not qualify under old Rule 2(b) either.

Then, in January 1988, came the new wording of the DXCC rules. Rule 1 states (in pertinent part) than "An independent country or nation-state having sovereignty (that is, a body politic or society united together, occupying a definite territory and having a definite population, politically organized and controlled under

one exclusive regime, and engaging in foreign relations -- including the capacity to carry out obligations of international law and applicable international agreements) constitutes a separate DXCC country by reason of Government."

No one is disputing that Fiji is a DXCC country by reason of Government.

Now comes the new Rule 2 stating "Separation by water: An island or a group of islands which is part of a DXCC country established by reason of Government, Point 1, is considered as a separate DXCC country under the following conditions: (a) The island or islands are situated offshore, geographically separated by a minimum of 225 miles of open water from a continent, another island or group of islands that make up any part of the 'parent' DXCC country...."

VK8XX, K3NA, KN3T and W6SZN, with the support of the Northern California DX Foundation, have organized an expedition of Rotuma scheduled for October 22 through November 5, 1988. VK8XX already holds the callsign 3D2XX which is valid for Rotuma, but nonetheless they are attempting to get a new, distinctive callsign for this operation. They intend to operate two stations simultaneously.

K3NA is filing a petition with the DX Advisory Committee on September 9, 1988, requesting formal recognition of Rotuma as a new DXCC country with a suggested validity date of January 23, 1988. This is the date the ARRL Board of Directors approved the new wording of the DXCC rules. However, no one expects a ruling from the DXAC for several months, thus the DXpedition will proceed without the certainty that the DXAC will concur with the operators' belief that Rotuma should be approved.

NCDXF

10-METER DXCC

From the DXCC Desk at Hq., the following are the first ten amateurs to qualify for the new 10-meter DXCC Award:

- 1) W4DR/317
- 2) G3KMA/315
- 2) K2FL/315
- 4) K4DY/308
- 5) K2OLG/298
- 6) K2ARO/297
- 6) W9ZR/297
- 8) JG1NBD/296
- 9) K3BEQ/295
- 10) N4WW/294

In other DXCC news, through the cooperation of F2CW/7J1ADX and others, the ARRL DXCC Desk has been provided with further substantial evidence regarding his A61AB operation in March 1988. QSL cards for this CW operation are now acceptable for DXCC credit beginning with those applications received on June 13, 1988 and after.

The ARRL Letter, Aug. 9, 1988

ARRL Files Comments on Covenants

It is usually not the practice of the ARRL to become involved in FCC dockets and rulemakings outside of the scope of direct interest to amateurs; however, FCC Docket 88-138 is an exception.

Docket 88-138 is an FCC Inquiry into possible adverse effects to viewers when cable television companies do not carry all of the local broadcast stations. In the past, the FCC has tried to require cable companies to provide an "A-B switch," with which the viewer could switch between the cable system and his outside antenna to receive local stations not on his cable system.

How does this affect amateurs? In order to receive the broadcast station not carried by his cable system, the television viewer must normally use an outside antenna. The point of the ARRL comments is that restrictive covenants on outside antennas limit the off-the-air reception of broadcast television signals in the same way they prohibit or seriously

limit amateur communications. League studies show that antenna covenants began to proliferate in the early to mid-1970s, during the heyday of the Citizen's Radio Service (CB), when rooftop antennas for CB became numerous.

Dr Wayne Overbeck, N6NB, ARRL Vice-Director of the Southwestern Division, has conducted research on restrictive antenna covenants in new housing developments near Los Angeles, Dallas/Ft Worth, and San Francisco. His research paper on this subject, presented at the 1986 Western Communications Educators Conference and published in the Winter 1987-88 issue of Mass Comm Review is titled, "A Free-Marketplace Myth: The New 'Must Carry' Rule, A/B Switches and Deed Restrictions."

The ARRL's comments cite Overbeck's findings and include a copy of his report. According to the study, in the Los Angeles area "Every single new housing development in Orange or Ventura County was found to have a deed restriction prohibiting all outdoor antennas. Only in the more rural and inexpensive areas of Riverside County was there a variation in the pattern."

Furthermore, many of the deed restrictions that Overbeck examined contained virtually identical language forbidding antennas. This suggests that real estate developers have reached a consensus that outdoor antennas should be prohibited, and that such language has become standardized among the law firms who draft declarations of covenants for builders.

Not only are new housing developments forbidding outside antennas, but more ominously, planned communities consisting of multiple developments governed by one master declaration of covenants can effectively prohibit outside antennas in entire towns!

In his study, Overbeck points out that "...real-estate developers could eventually limit the [non-cable] television viewing alternatives for a large percentage of the population. In the end, homebuilders, not the FCC or even the free marketplace, might determine the fate of the competing electronic communication technologies by denying some an adequate customer base..."

Overbeck's study in the Dallas/Ft Worth area showed nearly one-half of the developments either prohibited outdoor antennas altogether or imposed severe height restrictions. An additional one-third allowed one radio or TV receiving antenna per lot. Only rural, large acreage subdivisions some distance from Dallas had no antenna prohibitions. His studies in the San Francisco area (Contra Costa County) showed antenna restrictions in 15 of 18 new developments, with 9 prohibiting antennas altogether, and 5 requiring architectural control board or home owner association approval. One development allowed outdoor antennas until cable television was installed.

Our comments conclude stating that "the proliferation of restrictive covenants makes it impossible to cast the issue aside by calling them 'private contractual agreements'; there is no alternative. The covenants become contracts of adhesion, with no reasonable means of accommodation for television viewing short of cable subscription...the ad hoc regulation of interstate communications by covenant is so extensive as to require the Commission's immediate attention..." ARRL comments were filed July 8.

The ARRL Letter, August 2, 1988

Andrew Young, VR6AY, Silent Key

Andrew Young, VR6AY, of Pitcairn Is. died on 17 March, just one day before the 50th anniversary of the first telephone operations from the island. He began his career by signalling to passing ships by lantern in the early 'twenties. In 1922 the Marconi Co. sent him a crystal receiver and in 1928 a New Zealand radio enthusiast supplied a small spark transmitter - so Pitcairn was on the air with a raspy cw signal so familiar in those days. In 1937-8 a group of amateurs inspired by an article in QST in August 1937 sent a modern valved station, capable of phone and cw operation. On 18 March 1938 Pitcairn went on the air. An article in January 1938 QST had this to say about Andrew: "No real amateur surrounded by his modern radio equipment of today could have read the tale of Andrew Young's determination (referring to the 1937

article) to keep his little island community in touch with ships that passed beyond the horizon without the feeling of pride in classing him as a true ham. Lacking both equipment and power facilities has carried Andrew Young, alone and unguided these many years, over obstacles insurmountable to most of us."

Andrew was 88 but his spirit lives on: out of less than 50 inhabitants on the island six are licensed amateurs, which puts Pitcairn's amateur population at 12 percent - probably the highest in the world.

Radio Communication

ARRL Files Against SSB on 30 Meters

The ARRL has filed comments opposing a petition (RM-6363) filed by Anthony Sivo, W2FJ, to permit SSB operation in the 30-meter (10.1-10.15 MHz) band. In his petition, Sivo contended that the band is underutilized because phone emissions are not permitted there.

Our comments took issue with the notion that this band is underutilized and said that a "great deal of amateur communication is conducted 24 hours per day" in this band. We noted that the 30-meter band is allocated to the Fixed Service outside of the US on a primary basis and amateurs are not allowed to cause "harmful interference" to this service. Thus "the primary obligation of the Amateur Radio Service on this band... is not to load it 'to the full extent possible' as the petition would have it. Rather, the obligation is to use it in such a manner as to protect against interference to on-going fixed station use."

In his petition, Sivo noted that some countries permit SSB operation on the 30-meter band. The ARRL responded by saying that this was true only because most countries do not specify subbands for emissions in their amateur rules; "such operation is not in accordance with the band plan for the thirty-meter band adopted worldwide by the International Amateur Radio Union (IARU). The IARU band plan is adhered to almost universally."

The ARRL also cited a 1980 survey in which the amateur community was asked what the uses and subdivisions of the 30-meter band

should be. "Of 610 written comments received at League Headquarters, 71% of the respondents suggested that either A1A... and F1B (telegraphy) emissions only in the 50 kHz wide band should be allowed."

Our comments concluded by noting that the FCC had expanded HF phone bands in 1983 and that the 24-MHz band offers a 60-kHz phone segment. "There is no showing, in the instant petition or otherwise, that the creation of a telephony subband at 30-meters is in any sense necessary or desirable. In summary, the League believes that the... petition does not warrant further Commission consideration... and requests...(it) be denied."

The ARRL Letter, August 2, 1988

Where Was That Guy?

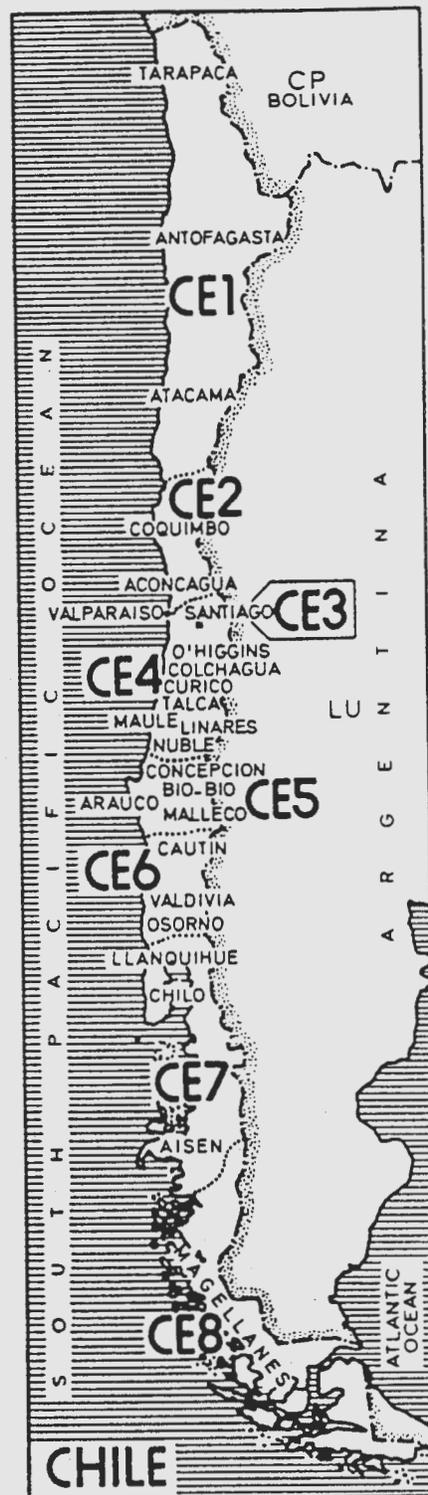
Another question answered about the DX on the other end of that last QSO. What the location of that guy within his country? or how much power he could run? Well thanks to the RSGB here is another answer.

CHILE

ITU allocation: CAA-CEZ, XQA-XRZ, 3GA-3GZ.
 Callsign system: See map for mainland prefixes CE1-8.

Prefix	Area
CE9 AA-AM	Antarctica
AN-AZ	S Shetland Is
CE0A	Easter Is
CE0X	San Felix Is, San Ambrosio Is
CE0Z	Juan Fernandez Is

Licence notes: Four licence classes: "Aspirante": 3.5, 7MHz (in presence of licensed operator only). Novice: 3.5, 7MHz, ssb/cw, 200W. General, Superior: all bands, 1kW.
 Foreign amateur operation: All countries. Apply to RCC.
 National society: Radio Club de Chile, PO Box 13630, Santiago.





The Worked All Britain Awards

The Worked All Britain Awards (W.A.B.) Group was founded in 1969 by the late John Morris, G3ABG, to promote a greater Amateur Radio interest in Britain.

The group promotes an award programme, contests and activity weekends.

W.A.B. makes regular donations to groups such as the Radio Amateur Invalid and Blind Club, who help the less fortunate members of the Amateur Radio fraternity.

The award programme is based on the geographical and administrative division of Britain. QSL cards are not required, only log entries. Special record books are available to assist in the claiming of awards.

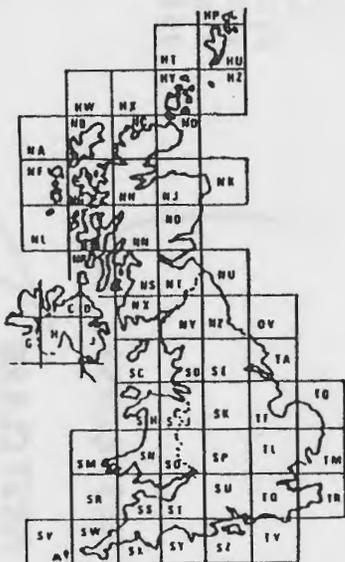
The award scheme is open to licensed amateurs and Short Wave Listeners.

BASIS OF THE AWARD SYSTEM

Great Britain and Northern Ireland are divided geographically into a grid system. In Great Britain this is referred to as the National Grid Reference (NGR) and in Northern Ireland as the Irish Grid.

Both systems divide the countries into 100 km x 100 km grid squares which are referred to as large squares. On the NGR these squares are given a two letter reference, e.g. HP, SP, TL etc. and on the Irish Grid a single letter reference, C, D, G, H and J.

These large squares are then broken down into 10 km x 10 km squares which are given a two number reference 00, 01, 02, 99. The large square and the two number reference then gives rise to the W.A.B. area e.g. SP38, TL00, J04, G82, etc..



09	19	29	39	49	59	69	79	89	99
08	18	28	38	48	58	68	78	88	98
07	17	27	37	47	57	67	77	87	97
06	16	26	36	46	56	66	76	86	96
05	15	25	35	45	55	65	75	85	95
04	14	24	34	44	54	64	74	84	94
03	13	23	33	43	53	63	73	83	93
02	12	22	32	42	52	62	72	82	92
01	11	21	31	41	51	61	71	81	91
00	10	20	30	40	50	60	70	80	90

Great Britain and Northern Ireland are broken down for administration purposes into counties. The boundaries of these counties are drawn up arbitrarily.

The W.A.B. area is then linked with the county e.g. HP61 Shetland Isles, SP38 West Midlands SS98 Mid Glamorgan, C82 Antrim. There are in excess of 4000 W.A.B. areas.

W.A.B. RECORD BOOKS

To help with the logging of W.A.B. contacts a special record book is produced. This book lists each W.A.B. area, county by county, together with a list of towns and villages lying in each area. Claim sheets for the awards are supplied with this book.

The record book is available, priced £6 (US\$ 10) from :-

Brian Morris, G4KSQ, 22 Burdell Avenue, Sandhills Estate, HEADINGTON, Oxford OX3 8ED, England.

Please make cheques & money orders payable to "The Worked All Britain Awards Account".

The main W.A.B. awards are :-

W.A.B. OVERSEAS INTRODUCTORY AWARD

This award is open to Non European stations and is intended as an introduction to W.A.B. The award requires that 25 W.A.B. areas & 10 counties are worked.

W.A.B. AREAS AWARD

This award is given for working W.A.B. areas. There are six classes of award Basic, Bronze, Silver, Gold, Platinum and Sapphire. The requirements for European stations are 300, 500, 750, 1000, 1500 & 2000 areas. For non European stations the requirements are lower at 100, 200, 400, 600, 800 & 1000 areas.

W.A.B. COUNTIES AWARD

There are 78 counties in Great Britain & Northern Ireland. Awards are given for working 55 and 76 counties.

W.A.B. LARGE SQUARES AWARD

There are 61 large squares in the W.A.B. list. Awards are given for working 30, 40 & 55 large squares.

W.A.B. NEWSLETTER

A regular newsletter is produced containing information about W.A.B.

W.A.B. QSL CARDS & STICKERS

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We assure all new members of a very warm welcome. We hope that you will join us and have many happy hours of WAB'ing.

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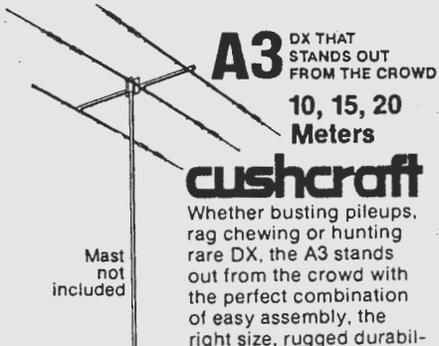


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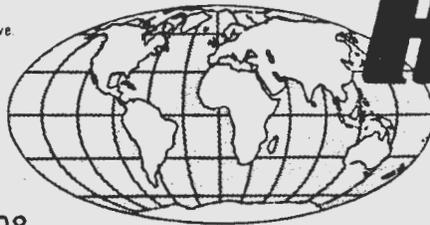
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