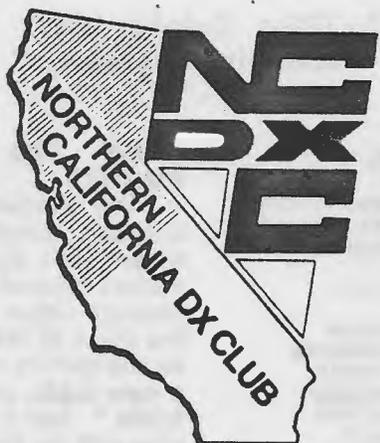


THE



DXer

OCTOBER 1987

VOL XL - NUMBER 10



CALENDAR

- Oct. 2-4 ARRL Pacific Division Convention, San Jose.
- Oct. 3-4 California QSO Party.
- Oct. 3-4 VK/ZL/Oceania DX Contest phone.
- Oct. 8 San Francisco and Los Angeles connected by telegraph, 1860.
- Oct. 9 NCDXC meeting, Harry's Hofbrau, Palo Alto.
- Oct. 10 PAARA Auction & Flea Market, Ampex Cafeteria, Redwood City, 8:30 AM.
- Oct. 10 NCDXC 9-Band DXCC Award kick-off.
- Oct. 10-11 Radiosporting Championship Contest.
- Oct. 11 RSGB 21/28 MHz SSB Contest.
- Oct. 17-18 VK/ZL/Oceania Contest, CW.
- Oct. 17-18 Jamboree on the Air (JOTA).
- Oct. 18 RSGB 21 MHz CW Contest.
- Oct. 24-25 CW World-Wide DX Contest, Phone.
- Oct. 28 Last date for inputs to November DXer
- Nov. 7-9 ARRL November Sweepstakes, CW.
- Nov. 14-15 European DX Contest, RTTY.
- Nov. 21-23 ARRL November Sweepstakes, Phone.
- Nov. 28-29 CW World-Wide DX Contest, CW.
- April 22-24, 1988. Visalia International DX Convention.

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OCTOBER MEETING - FRIDAY, OCTOBER 9 HARRY'S HOFBRAU, PALO ALTO

We meet at Harry's Hofbrau, again in October on Friday the 9th. Take Embarcadero Road East from the Bayshore Freeway in Palo Alto. Jan O'Brien, K6HHD, is scheduled for a presentation on Effective QSLing. Jan, who with Jay, W6GO, publishes the monthly W6GO-K6HHD QSL List is a wealth of information on the art of QSLing, and the presentation should be well worth the trip to the meeting.

SPECIAL RAFFLE AT OCTOBER MEETING

Don't forget the special raffle to take place at the October meeting! Steve, W6MKM, has made a special arrangement with Ham Radio Outlet to give the raffle winner this month a choice of a Kenwood TH215A 144 MHz HT, a TH315A 220 MHz HT, or a TH415A 440 MHz HT. All three rigs will be available for inspection at the meeting. Tickets will be \$2.00 each, or \$5.00 for three.

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FROM THE PREZ

How sweet it is! SIXTY-FOUR THOUSAND, TWO-HUNDRED EIGHT-EEN and VICTORY for the GREATEST DX CLUB IN THE WORLD! If you're wondering what I'm talking about, check your October QST for results of the 1987 ARRL International DX Contests. Excluding a re-count and highly improbable turn-of-events, the record will show that fifty-six (56) of Northern California's best "out-bested" the troupes of General "Red" Stillman, W6AE and his band of Southern California good-guys (there were 66 of them). Hats off to the whole crew of Big Guns and Little Pistols who gave every bit they could give to keep the North/South Trophy in NCDXC hands for one more year! You all know who you are and I offer, on behalf of the membership, a very big THANK YOU for the winning effort. But remember...it's not too late to start thinking about the guaranteed attack the SCDXC will thrust upon us next spring.



Ted, KA6W

Work is progressing on repeater controller modifications and I hope that we will soon be able to experience total relief from the (not so infrequent) false shut-downs which take place. Lou, K6TMB and crew are more than aware of the need to get the smart controller in place and on line; however, time is a necessary ingredient for certain success. Come to the

The DXer - October 1987
-- 41st Anniversary Issue --

THE NORTHERN CALIFORNIA DX CLUB, INC.
P.O. BOX 608, 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*.

NCDXC OFFICERS

President	Ted Algren	KA6W
Vice Pres.	Rich Stempien	WA9WYB
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Treasurer	Frank Holst	W6ZKM
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Director	Jim Knochenhauer	K6ITL
Director	Ron Pantan	W6VG

DXER STAFF

Editor	Jim Maxwell	W6CF
Contributing	George Allan	WA6O
Contributing	Hal Godfrey	N6AN
DX Ladder	Jim Hicks	KK6X
Production	Dave Hillman	N6AUS
Production	Ron Pantan	W6VG

Send DXer contributions to

Jim Maxwell, W6CF
 PO Box 473, Redwood Estates, CA 95044

Send DX ladder reports to

Jim Hicks, KK6X
 2260 Santa Fe Dr., Santa Rosa, CA 95405

NCDXC REPEATER W6T/R

Input 147.96 MHz; Output 147.36 MHz;
 Simplex 147.54 MHz

Trustee	Bob Vallio	W6RGG
Repeater Committee chairman	Lou Beaudet	K6TMB

NCDXC THURSDAY NIGHT NET

On W6T/R Thursday at 8:00PM local time.

Operations Manager	Ralph Hunt	AG6Q
DX News	Phil Garrahan	W6LQC
Propagation	Al Lotze	W6RQ
Contest News	Steve Brunt	WC6I
Westlink	Dave Bottom	KD6AZ
Swap Shop	Steve Munro	KZ6Z
QSL Info	Jan O'Brien	K6HHD

NCDXC DX BULLETIN BROADCASTS

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

KA6W. The visitors were welcomed by Rich, WA9WYB.

Ted announced that the 9 band contest starts in October. Lloyd Colvin, W6KG, commented on the recent visit by VU2MY and VU2RBI. In turn, the visitors relayed their special greetings to the NCDXC through Lloyd. Lloyd also commented on his visit to the shack of W6RJ. In this case, "shack" may not quite be the correct term. Also from Lloyd, K1ZZ announces a new ARRL video, "new Wide World of Amateur Radio." Ted is looking for hosts for ZL1BQD es XYL, who will be here for the October meeting. Gordon, W6NLG, discussed the progress of the new call sign proposals. Gordon heads one of the nonprofit organizations filing with the FCC to be the call sign allocating body. Among the other organizations are ARRL, Callbook, and a Washington, D.C. group of attorneys who are not licensed hams. Ted announced that Roy Neal's video on amateur radio will be aired via satellite on September 20 but no local channels are yet known.

Steve, W6MKM, discussed the special raffle for the 40th anniversary meeting in October. A hand held, your choice of band, will be the special prize. The raffle this month was won by K6DXY, AA6Z and K4UVT. The speaker for the evening was Dean Straw, N6BV, on computer-aided design of Yagi, beam and other antennas. Many of the members were obviously spellbound, dreaming of stacked arrays. The meeting concluded with first readings for Mike Ritz, KW6C and second readings for Tom Jones, K6TS and Jerry Bransome, WT6V. Tom and Jerry were unanimously welcomed into the club. The treasurer's report appeared in the *DXer* and no questions were directed to Frank, W6ZKM. Lou, K6TMB, discussed the recently purchased controller for the repeater, to be installed in about two months. The meeting was adjourned at 9:47 PM. A good time was had by all.

Respectfully submitted,
 Roger Gearhart, W6PKB
 Secretary

November meeting for a complete W6TI history and status report...W6TI THEN, NOW AND FUTURE.

This month marks the end of our 40th Year Celebration and starts the clock running toward completion of a Golden Anniversary or Fifty Great Years. I hope we can all be around to toast the event! With the clock ticking we start our Nine Band DXCC ... 9BDXCC, (the brainchild of Chuck, AA6G with help from Bill, W6TEX, Larry, KG6GF and others). I'm sure you will find this an interesting and challenging award. A band/country check sheet was published in the September *DXer* and rules can be found in this *DXer*.

73 es GUD DX,
 Ted, KA6W

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MINUTES OF THE SEPTEMBER MEETING OF THE NCDXC

The regular meeting of the NCDXC was held September 11, 1987, at Harry's Hofbrau, Palo Alto. The meeting was called to order by the president, Ted,

BOARD OF DIRECTORS



MINUTES OF THE SEPTEMBER 14 1987 MEETING OF THE NCDXC BOARD OF DIRECTORS

The president, Ted, KA6W, called the meeting to order at 7:15 PM at the home of W6VG. Present were WA9WYB, W6ZKM, W6VG, K6ITL and W6PKB. Frank, W6ZKM, gave a detailed treasurer's report and a projection. We are solvent. There will be neither a picnic nor a Christmas party this year. A motion was introduced and passed that the club purchase a Carousel type slide projector of its very own, for a cost not to

exceed \$250.00. A motion was carried to auction off the club's long unused electric typewriter. It is reported to be in excellent condition, so please be prepared to bid on this collectors' item. The typewriter has, of course, been used by many eminent DXers. We will have a suitable solid brass plate engraved and affixed. The meeting was disrupted by the mating call of Catperson. W6VG bravely ousted the offending feline with a well-thrown beer can. Thereafter, silence ensued. The board received proposed changes to the Procedures Manual from Hal, N6AN, to accommodate the newly created position of publications manager. Ron, W6VG, volunteered to review the changes for completeness. Please note a correction in last month's BOD report. A paragraph was omitted that modified the Procedures Manual, paragraph 8-104f to read: "Each nonexpendable item may be purchased only with the approval of the board of directors (\$1000 limit) or the membership (over \$1000) voting in quorum at a regularly scheduled meeting. (See 6-101, d)."

The meeting adjourned at 9:23 PM.

Respectfully submitted,
 Roger Gearhart, W6PKB
 Secretary

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TREASURER'S REPORT - SEPT. 1-30, 1987

Checking account activity

Aug. check balance	\$3815.56
Deposits from dues	3041.00
Other receipts	226.00
Subtotal	\$7082.56
Accounts payable	(503.42)
Current balance	\$6579.14

Bank of America Savings \$13543.48

Reserve Fund/Savings Account

Dues Life Members 86-87	\$ 624.00
Dues Life Members 87-88	624.00
QSL Cards	2500.00
Subtotal	\$3748.00
At depletion of reserve fund-	
Savings balance	\$9795.48

Certificate of Deposit American S&L
 1 yr 7.411% annual yield \$5800.00

Frank H. Holst, W6ZKM
 Treasurer

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TOM SWIFTY

"Signal again, Samuel," the lady said remorsefully.

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N6TJ OFF TO ZONE 34

In order to help the Deserving check off Zone 34 for 5 Band WAZ, Jim Neiger, N6TJ, will be arriving in Cairo in mid-October for a ten day operation, including the CQWW DX Test. During the non-contest period, emphasis will be on the low bands, including 160 and especially 80, and especially CW. Listen around 035 on the high bands, the low end on 80-40, and 1830-50. Listening frequency will be announced. This operation is receiving generous support from the NCDXF and Cushcraft Corporation, and is gratefully acknowledged by Jim. Jim will be listening especially for West Coast stations on both phone and CW. QSL via N6CW.

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K6ANP, WW6F, KK6X, W6OSP TO VP5

VP5 will again be well represented in the CQ Worldwide this fall. K6ANP, WW6F, KK6X and W6OSP are off to Provo to operate in the CQ World-Wide CW weekend, multi-single, signing VP5W. Be sure to listen for them and give them a call.

NCCC Jug

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N3JT DXPEDITIONS TO VP2E ANGUILLA AND HK0 SAN ANDREAS ANNOUNCED

Jim Talens, N3JT, has just announced his plans for DXpeditions TO VP2E and HK0 San Andreas. Jim will be active at VP2E during the CQ WW contest in late October. His DXpedition to San Andreas will cover one week, including the CQ WW CW weekend. Both CW and phone will be operated before and after the contest weekend. QSL via W2GHK.

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1987 MOST WANTED SURVEY RESULTS RELEASED

DXpeditioners take note: Chod Harris, VP2ML, Editor of *The DX Bulletin* has just released the results of his annual Most Wanted Survey. Albania tops the list again, with 84% of the respondents needing it. The next nine, in order of need, are Burma, Bouvet, South Yemen, Vietnam, Afghanistan, North Yemen, Laos, Bangladesh, and Spratly. Surprisingly, 39% still need Peter I, even after the very successful DXpedition early this year. The full survey results, including a detailed analysis, cover over three pages. Those interested in reading the entire report can get info on how to obtain a copy by writing Chod at P.O. Box 50, Fulton, CA 95439-0050.

LATEST REPORT ON WESTERN SAHARA - R.A.S.D.

[Editor's note: The following news release from the Lynx DX group arrived in late September, and is the latest available information on their plans for R.A.S.D.]

The Lynx DX Group launched a joint project with the R.A.S.D. (Saharan Arab Democratic Republic) authorities some two years ago with the aim of activating the R.A.S.D. on the DX bands, establishing amateur radio in the country and providing training for their people. Also, the idea was to make the R.A.S.D. situation and status known throughout the world of amateur radio.

The project was made public in May, 1987 with a precise schedule for the planned expedition announced in early July and a targeted opening date set for August 6, 1987. Entry to the R.A.S.D. through Algeria was agreed with the authorities and all systems were go.

In an unexpected development, a German group arrived in Algeria just two weeks before the scheduled arrival of the Lynx group. The Germans had no R.A.S.D. permission or proper entry permit. This caused a great deal of confusion among R.A.S.D. and Algerian authorities and they decided to put a hold on the project for the time being.

The Lynx DX Group (EA2JG, EA1QF, EA4DO, EA2XC) met with R.A.S.D. authorities on September 5 and details of the recent developments were presented and discussed. The R.A.S.D. authorities and the Lynx DX Group together agreed to reserve judgment and not comment on any details of the past developments. Instead, they decided to resolve the existing problems and carry out the project. As of today, the Lynx DX Group is in the position of holding the original and, so far, only permission to undertake an operation from R.A.S.D. territory.

The rescheduled operation will be announced in due course and carried out as soon as possible. Your patience is needed. For a future official announcement, it is highly recommended that DXers follow the *QRZ DX* and other major bulletins.

While waiting for the new country counter to show up, DXers are advised to monitor R.A.S.D. broadcasts on 6150, 9640 and 15215 KHz AM starting at 22.00 UTC daily.

The Lynx DX Group regret the inconvenience caused by this postponement.

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The zepp antenna was so called because it was designed for use on the zeppelin type of airship.

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DX CALENDAR

Thanks to *The DX Bulletin* and *QRZ DX* for the following.

Andamans - by VU2GDG Oct. 6-26.

China - China still very active, with BY4RB 14030 12-1300Z and a new one, BY4NWG 3795 1420Z.

Dominica - W9GW will be active from J7 for about one week beginning October 8 or 9.

Egypt - N6TJ will be on all bands phone and CW from mid Oct., including the CQ WW Phone contest. QSL via N6CW.

Heard Island - VK0HI should be on soon, VK3DHF op. QSL to VK3EVN.

Jan Mayen - LA1UG is shooting for a one-week operation as JX1UG Oct. 16-23.

Johnston Island - WY5L/KH3 has been QRV often at 28490, in the Novice band. QSL to N5DAS.

Martinique - Pat, F6EYS, President of the Clipperton DX Club, will operation FM/ and FJ/ (St. Barts) Oct. 3-17. QSL via home call.

Namibia - The *DX-NL* reports that DK2DZ, DK4NW and DL5NF will sign /ZS3/mobile from September 28 through October 16. Suggested SSB frequencies: 14280, 21280 and 28280 (?) kHz. QSL via DK2DZ.

Nigeria - 5N27 will be the special prefix used by Nigerian stations in celebration of 27 years of independence during October.

New Caledonia - JH4RHF notes that members of the JA3YKC club station will be active from New Caledonia during the CQ WW phone contest. They will operate CW and SSB before the contest (October 21-28), on all bands, including 160 and 6 meters.

Pacific - Pekka, OH1RY, will start his Pacific DXpedition Oct. 18. He will start as 3D2RY Oct. 12-18, then on to C21, T30, ZK2, ZK1, and FO8.

St. Helena - Adrian, ZD7AF, meets with his QSL manager, N2AU, each Wednesday on 14155 kHz at 2000 UTC. Adrian will be happy to work people on that frequency, but only after he finishes sending log information to N2AU.

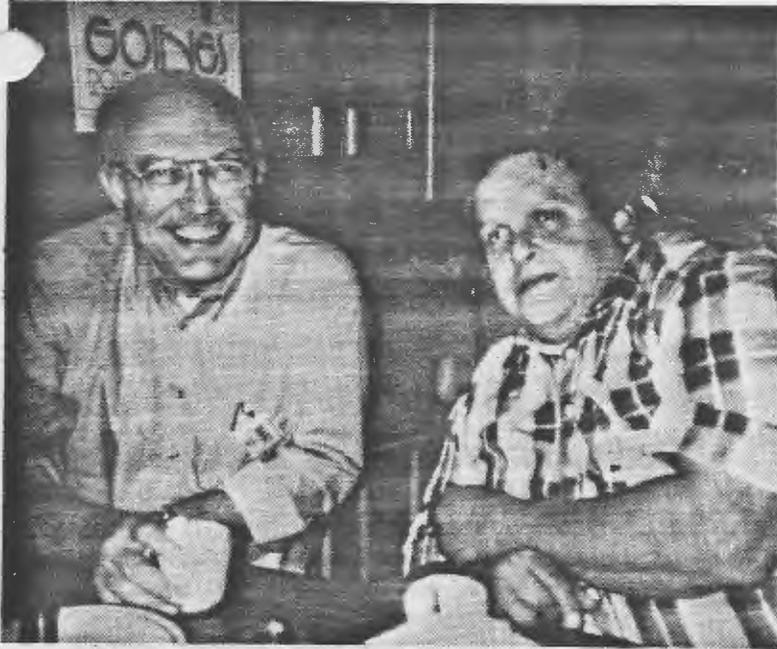
Tadzhikistan - UT4UX/RJ5 will be active from Tadzhikistan October 12-27 on all bands. QSL via Box 88, Moscow.

Taiwan - OZ8NO will be QRV as BV2B Oct. 9-11, all bands.

Tanzania - 5H3GI seems to prefer 21042 kHz or a frequency nearby, at around 2000 UTC. QSL via VE7CNT.

Tunisia - Craig Maxey, WB7FRA, will operate as 3V8FRA October 19- 27, including CQWW SSB. He hopes to use TS8FRA during the contest.

Turkey - TA2G passes out both CW and SSB contacts on 21260 kHz at 1530 UTC.



George, WA6O, and Martin, KB6BW
 just after having discovered an Eternal Truth.

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RECIPROCAL LICENSES IN MEXICO

Reciprocity for Mexican and U.S. amateurs may finally be accomplished via a proposed universal reciprocal operating arrangement for Amateur Radio operators in our hemisphere. Finishing touches were completed on such an arrangement, for consideration at the Inter-American Telecommunication Conference (CITEL) held at Lima, Peru, during August 1987. Of course, Mexico would have to subscribe to that convention.

WSYI Report, Aug. 15, 1987

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ALCATRAZ ISLAND OPERATION COMING UP

NCDXC members chasing the IOTA award (Islands On The Air) should polish their keys and microphones for Saturday, October 10. The Sacramento ARC will operate club station W6AK from 1730Z to 2300Z on Saturday, October 10 from Alcatraz Island. Frequencies: Phone -3.950, 7.270, 14.300, 21.400, 146.52; CW -3.725, 7.125, 14.050, 21.085; Packet - W6AK-5 145.01.

QSL with SASE to Sacramento ARC, P.O. Box 161903, Sacramento, CA 95816-1903.

Worldradio, October 1987

ARRL AWARD TO FATHER MORAN, 9N1MM

The 2nd annual ARRL International Humanitarian Award has been given to Fr. Marshall Moran, 9N1MM. Fr. Moran has lived in Nepal since 1950, where he founded St. Xavier Mission, a school and health facility for Nepalese children.

KATHMANDU, NEPAL

9N1MM

RADIO	DATE	GMT	MH.	RST	J. WAY

QSL via  TRN BR 75...
 Rev. Marshall O. Moran, S.J.

His call sign, 9N1MM, was the first amateur license granted in Nepal. He has relayed messages for thousands of individuals and groups worldwide, and is active in numerous service nets. He presently oversees the daily operation of the mission and is the senior advisor to 10 priests on his staff.

The ARRL International Humanitarian Award was established in 1986 to recognize those licensed radio amateurs (or groups of radio amateurs) worldwide who, by use of their skills in Amateur Radio, have provided extraordinary service for the benefit of others. The award consists of a plaque and an article describing the recipient's extraordinary achievements in QST.

ARRL Letter

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W6TZA ON ROAD TO RECOVERY

Our recent NCDXC member Howard Swezey, W6TZA, is now back at his Carmichael QTH after about two weeks of treatment with Super Drugs at the Sequoia Hospital. Howard has made a considerable recovery from his cardiac condition. It will be some time yet before he will be back to square one. Hopefully, under the TLC of his XYL Pauline, that day will come soon.

Tony, K6DR

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W6GQK - 50 YEARS ARRL MEMBERSHIP

Congrats to Hal Barber, W6GQK, for passing the 50 year mark as a member of ARRL.

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NCDXC 9BDXCC AWARD - KICKOFF ON OCTOBER 10

October 10 is the starting date for the new NCDXC 9 band DXCC award for members only. As a reminder, following is a repeat of the rules, which appeared originally in the July *DXer*.

RULES FOR THE NINE BAND DX ACHIEVEMENT AWARD

a. Commencing October 10, 1987 and continuing thereafter the club will sponsor a Nine Band DX Achievement Award. The purpose of this award is to promote interest and participation by club members to work DX on all HF bands and to recognize individual operating achievement.

b. The award is available to all club members including honorary and absentee members. To participate in the award program all DX contacts must be made using the call sign, privileges, and operation from the licensed station location.

c. The award includes operation on the 160, 80, 40, 30, 20, 17, 15, 12, and the 10 meter amateur bands. The object is to work as many countries as possible on each of the nine bands. The entry level for this award is 100 countries worked on any one band. Countries on other bands can be worked as the participant progresses. The ultimate goal would be to work all countries on all bands.

d. All participating members for the award begin with zero countries on all the prescribed bands. Countries worked shall be in accord with the current ARRL Countries List. Deleted countries shall be stricken from the awards totals. Credit for countries worked does not require QSL verification. The honor system shall be used to report countries worked.

e. The award shall be a plaque, suitably designed and worded, and shall be issued to participants who qualify at the entry level (100 countries worked on any one band). Endorsements in the form of tags will be issued for every 50 countries worked on each band between the 100 country entry level and the 250 country level. Above the 250 country level, endorsement tags will be issued for every 10 countries worked. Each participating club member will pay a one time fee to cover the cost of the basic plaque. A fee will be charged for each endorsement tag.

f. The fees (actual cost to the club) for the plaque and the endorsement tags shall be determined by the Board of Directors.

g. The president shall appoint a chairman for this award, for an indeterminate period of time. The awards chairman shall have the capability of maintaining an appropriate computer data base system for record keeping.

h. Claimed DX countries worked during the year ending October 10 shall be submitted to the chairman of this award by November 1, utilizing NCDXC Form 8-105d. The submission shall include, where applicable, the fees for the plaque and/or endorsement tag/s.

i. The awards shall be presented to qualifying participants at the regularly scheduled January club meeting.

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KB6ZV AND K6ITL UNOPPOSED IN PACIFIC DIVISION K5OS RUNNING FOR VICE DIRECTOR, DAKOTA DIVISION

According to the Sept. 11 issue of the *ARRL Letter*, Rod Stafford, KB6ZV, and NCDXCer Jim Knochenhauer, K6ITL, are unopposed in their bid for reelection to the offices of Director and Vice Director, respectively, in the Pacific Division. The fact that not a single person has chosen to run against either of them looks like a real vote of confidence by the members of the Division.

In a related development, NCDXC Associate Member Joe Butler, K5OS, has filed as a candidate for Vice Director in the Delta Division. Good luck, Joe!

Jim, W6CF

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SUNNYVALE VEC ANNOUNCES EXPANDED TESTING SCHEDULE

Excuses are rapidly running out for NCDXC members who have not yet upgraded to Advanced or Extra. NCDXCer Gordon, W6NLG, has just announced an expanded schedule for the Sunnyvale VEC ARC in the South Bay area. In addition to the usual exams at Foothill College at 12 noon on the 2nd Saturday of each month, a session is now scheduled for the 3rd Sunday of every month in Sunnyvale, also at noon. A permanent location has not yet been selected for the tests in Sunnyvale, but in October they will be held in the Recreation Building at Ortega Park. For instructions on how to get to Ortega Park, and for information on exam locations in future months, call 408-255-9000 any time - the phone machine is up 24 hours per day. As usual, the Sunnyvale VEC ARC will offer examinations for all license classes, from Novice through Extra.

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QSO BREAKDOWN FOR THE 1987 PETER I DXPEDITION

The following statistics were compiled by Kaare, LA2GV, after completion of his very successful DXpedition to Peter I Island with Einar, LA1EE. Thanks to Howard, WZ6Z, for providing the information to the DXer.

Total QSOs

	3Y1EE	3Y2GV	Total
QSOs	9,486	6,355	15,841
SSB			10,090
CW			5,703
RTTY			48
Countries	97	92	112

QSOs by Band

	3Y1EE	3Y2GV	Total
10	116	43	159
15	3,668	902	4,570
20	4,001	5,306	9,307
40	1,114	75	1,189
80	587		587
160		29	29
Total	9,486	6,355	15,841

USA QSOs by Call Area

	3Y1EE	3Y2GV	Total
1	383	215	598
2	602	326	928
3	322	175	497
4	1,076	751	1,827
5	625	381	1,006
6	968	560	1,528
7	323	222	545
8	392	331	723
9	500	358	858
0	312	232	544
Total	5,503	3,551	9,054

Europe & Scandinavia

	3Y1EE	3Y2GV	Total
Europe	1,077	753	1,830
LA	163	84	247
SM	176	71	247
OH	248	84	332
OZ	51	29	80
Total	1,715	1,021	2,736

Other DX

	3Y1EE	3Y2GV	Total
VE	207	105	312
ZL	45	88	133
VK	12	84	96
Africa	39	50	89
Japan	1,441	864	2,305
Asia-JA	11	54	65
Pacific	20	29	49
Latin/SA	443	474	917
Other	50	35	85
Total	2,268	1,783	4,051

Percentage Breakdown

USA	57.1 %	Latin/SA	5.7 %
Europe	17.2 %	Other	5.5 %
Japan	14.5 %		

SUMMARY OF 40TH ANNIVERSARY ACTIVITIES

Elliott, K6ILM, noted recently that the results of last December's 40 Zones in 40 Days contest were never announced in the pages of this rag. And right he was. Our abject apologies for the oversight. The following members made the grade. Coffee mugs have already been awarded to the lucky winners.

DJ0RX	KB6G	W6BIP	W6ISQ
K6ILM	N6AN	W6CF	W6REC
K6RQ	N6JV	W6DU	W6SZN
K6UD	N6QR	W6ERS	W6ZKM
K6ZM	NW6P	W6GO	WD6AFC

Thus far there have been three special operating activities for members and one for DX stations during the 40th anniversary year of the NCDXC. Following is a summary, together with reference to the DXer issue that carried the results.

Oct. 10 - Oct. 20, 1986. 40th Birthday Award. Work 40 DX stations in 10 countries. Results in Dec. 1986 DXer.

Dec. 10 - Dec. 20, 1986. 40 Zone Award. Work 40 zones in 10 days. Results this issue.

Feb. 13 - Mar. 24, 1987. 40 Countries Award. Work 40 countries in 40 days. Results in May 1987 DXer.

Oct. 10, 1986 - Oct. 10, 1987. NCDXC 40 Year Award for DX stations. Work 40 NCDXC members. First seven winners listed in Sept. 1987 DXer.

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GB4JUL A HUGE SUCCESS

The Darley Amateur Radio Club special event station GB4JUL, was a rousing success this past 4th of July. According to a clipping supplied by NCDXCer Jerry, K6SMH/G0CLY, the 4th of July station snagged 811 contacts, including 48 U.S. states and 37 UK counties. QSLs are rolling in already. Good show Jerry (and crew)!!



GB4JUL

DARLEY A. R. C.
 Darley, Harrogate
 North Yorkshire HG32RF

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Anne Lindberg was a proficient radio op. She had her radio-telegraph class ticket and pounded Morse on trips with her famous husband.

WAYNE GREEN TAKES PLUNGE INTO POLITICS

On September 3, Wayne Green, W2NSD/1, publisher of *73 Magazine*, announced his candidacy for the office of Vice President of the United States, according to an article in the Concord, NH *Monitor* for September 4. The announcement, made at a Wendy's Restaurant in Concord, was somewhat unusual, since presidential nominees usually pick vice presidents. Green, a Republican, said he hasn't decided who he wants for a boss in his prospective new job.

"The president is largely occupied with global problems - international terrorism, the Mideast, the dollar," Green said. "I believe we should have a vice president in the United States that has a job to do ... to solve American national problems. My concept, basically, is to run America more like a ... corporation. Run by an entrepreneur rather than a management committee."

Were he the country's CEO, Green said, he would first try to make up the ground America has lost in the technology race.

"Look at the instruments you're using here," he said, pointing to the cameras, microphones and tape recorders. "Virtually all of these were designed and built by Japan. Japan has taken away every single consumer electronics industry away from the United States. That's big bucks. Billions of dollars."

To compete against Japanese ingenuity, Green said America has to educate its children more efficiently. He insisted that through use of computers, videotapes and other technology, colleges could teach

300 percent more in three years at half the cost they charge now.

Green is convinced that ham radios play an essential role in developing high-tech proficiency. He noted that Japan and the United States once had equivalent numbers of amateur radio clubs in their high schools.

"But now, every school in Japan has an amateur radio club and there are more than 2 million ham licenses today. In the last 24 years, America has grown only from 300,000 to 400,000," Green said.

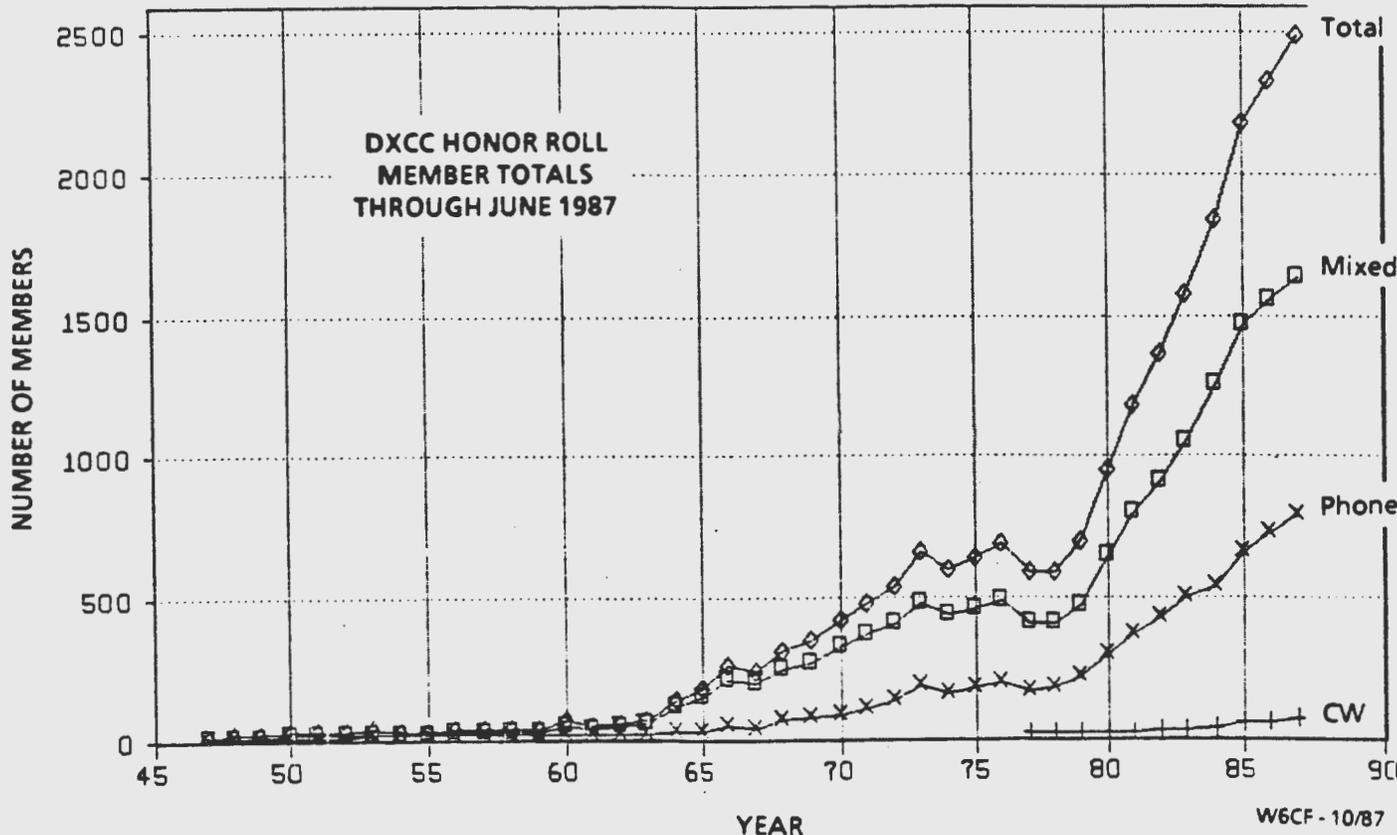
Because of that gap, Green estimated America lost 1.5 million potential engineers to other jobs.

Green describes himself as an entrepreneur who applies himself to technology, rather than the reverse. In a four page, single-spaced brochure which was mailed to the media, he says he helped design a line of stereo loudspeakers that became the best-selling models in the United States in the 1940s, and worked closely with King Hussein of Jordan to bring amateur radio clubs to that country.

Throughout his career, Green has left a trail of ex-associates who say he has a brilliantly innovative mind but an ego too enormous to work with. In Peterborough, a former Wayne Green Enterprises alumni association meets annually to commiserate and roast their one-time boss.

In his defense, Green said he has both staunch supporters and detractors - "Although I notice that people dislike me in direct proportion to the amount they've shafted me."

Thanks Norm, W1ICU



Fysshé Stories

de Tom McShane, NW6P

A few months ago I got my first QSL card from Kuwait. The bad news was 9K2YA made it out to NCDXC instead of NW6P. I asked Jay, W6GO, what to do and he said the only thing to do is restart the whole process. So I did. I wrote a very polite letter to Yousef, sent another green stamp, a self-addressed envelope, and another card.

After about a month I got my QSL card from 9K2YA with a very polite letter from him saying that I'd made his card out to 9K2AY and would I please send another one!

[Editor's note: Tom's frustration was probably matched by the gent who received the following "flush letter" some years ago...]



الرقم :
التاريخ :

THE ROYAL PALACE
 AMMAN JORDAN

Aug. 24. 1970

Dear OM,

JYI

His Majesty King Hussein has instructed me to thank you for your QSL card.

However we regret that your contact is not in His Majesty's log book.

Yours sincerely,

P.m. Salti

Patricia Salti (Mrs)
 Secretary

BOOK REVIEW - COMMUNICATIONS RECEIVERS

What DXer doesn't have fond memories of the tube-type communications receiver back in the years before Kenwood, Yaesu, Icom and others took over the market with solid state gear? Most of you who read the *DXer* do, and most of you will find fascinating reading in the recent book *Communications Receivers - The Vacuum Tube Era: 50 Glorious Years, 1932-1981*. Author Raymond S. Moore has done an outstanding job of covering the history of U.S. commercially made communications receivers in a 112 page, liberally illustrated book. To quote from his preface --

The story of the vacuum tube communications receiver begins with the Hammarlund Comet and National AGS in the early 1930's and ends in the early 1980's with the Drake R-4C, a hybrid receiver which still used six tubes in the signal path along with 39 semiconductors.

The vacuum tube communications receiver survived for almost half a century. During that time over 50 manufacturers offered almost 700 different receivers and variations. The tables in this book list every one of those receivers and manufacturers.

During the 1930's the people involved were almost as interesting as their products. McMurdo Silver, William Halligan, E. H. Scott, James Millen. We have tried to cover them, also.

Interested? Slip a check for \$16.95 in the mail for your own copy, postpaid, from RSM Communications, PO Box 218, Norwood, MA 02062.

Jim, W6CF

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BOOK REVIEW - LOW BAND DXING

The latest ARRL publication is *Low Band DXing*, written by well-known DXer John Devoldere, ON4UN. He shares his years of experience as well as incorporating material from over 500 articles that he references in this new League publication.

This book shows you how to meet the challenges of the different forms of 160, 80 and 40m propagation with effective antennas, equipment and operating strategies. There is a section of interesting computer programs written in BASIC, and software for many personal computers can be purchased separately.

The book is available directly from ARRL or may be purchased locally at most ham equipment outlets.

ARRL Letter

A GENIUS IN THE FAMILY

Some of the NCDXC old timers may remember the book *A Genius in the Family*, written by ARRL founder and first president Hiram Percy Maxim, W1AW. Originally published in 1936, it is a biography of W1AW's



Hiram Stevens Maxim

father, Hiram Stevens Maxim, the eccentric inventor of the Maxim gun. It's a super story, gives insight into Hiram Percy's early years, and was even made into a movie several decades back.

The book is rare; I searched for years before finally stumbling onto a copy. So it came as a surprise to discover that a reprint is currently being offered by Dover Publications. The Dover edition, a paperback, is an unabridged reprint of the original edition. Not only are all the words still there, but much more: the original had only a single illustration, while the reprint contains 17! And the price is right - \$2.95 per copy plus \$0.85 shipping for one item, \$1.50 per order for two or more. That's \$3.80 for a single copy, \$7.40 for two, \$10.35 for three - and so on ... pool your orders and \$ave. But even \$3.80 is a small price to pay for a couple of evenings of reading pleasure. Ship your check to Dover Publications, Inc., 31 East 2nd St., Mineola, N.Y. 11501. Tell them you want their book code #209482, *A Genius in the Family*, by Hiram Percy Maxim.

Jim, W6CF

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NATIONAL CONTEST JOURNAL NOW PUBLISHED BY ARRL

The *National Contest Journal* has long been a "must" for serious contesters. Publication of *NCJ* was recently assumed by the ARRL and the appearance and content of the first issue since the change were much improved. *NCJ* is now available at all Ham Radio Outlet locations.

NCCC Jug

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DXPEDITION TO SAINT PIERRE AND MIQUELON ISLANDS

by Mark Aaker, NT6G

I had a great time operating as FP/NT6G from Saint Pierre Island on August 7-13, 1987 and would like to pass on to other hams some of the travel and operating arrangements.

Saint Pierre, Miquelon, and Langlade Islands are located in the North Atlantic Ocean just south of Newfoundland, Canada. Most of the population, and all of the businesses and hotels are on Saint Pierre, which has the only sheltered harbor. The islands are governed as an overseas department of France, with a local French Prefect Governor and French Gendarmerie (police).

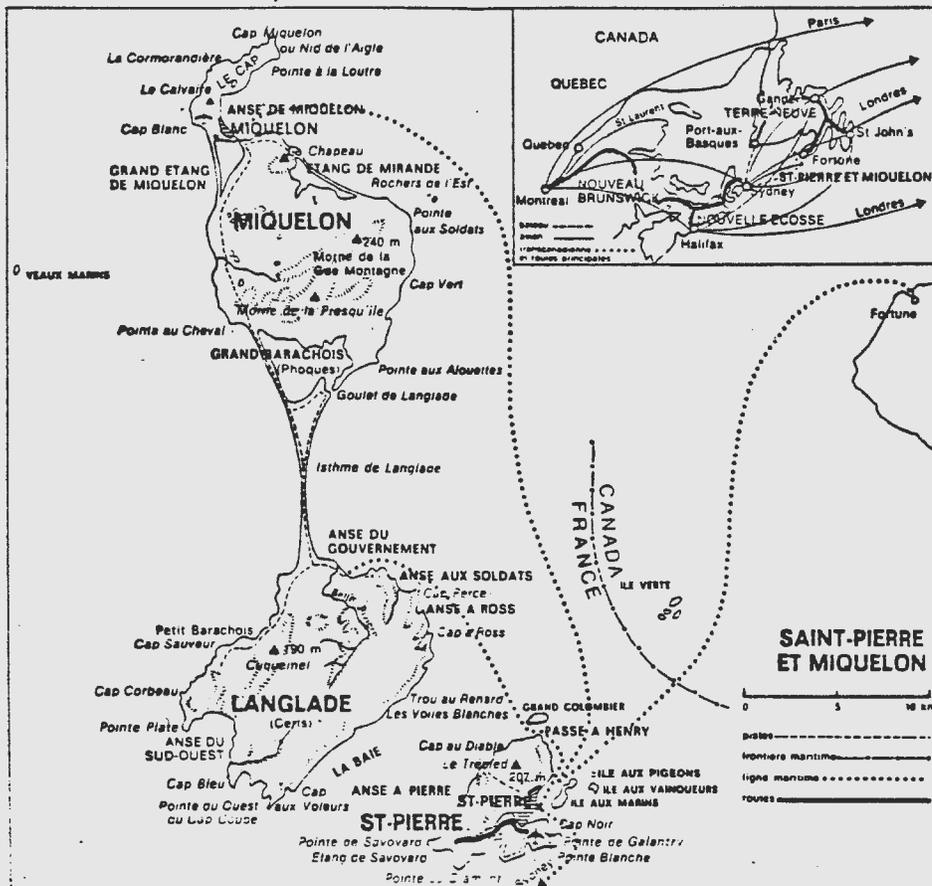
Saint Pierre has had a colorful history. During the early French fur trading days and up to the American Revolution the islands were a strategic spot on the entrance to the Saint Lawrence Seaway. The islands have seen many cycles of boom and bust in the whaling and fishing industries. During the great Prohibition in the U.S., millions of bottles of Canadian, foreign, and "home-brew" alcohol were passed through the island on the way to secret rendezvous and delivery in the U.S.

The islands are now a pleasant summer vacation spot for Canadian, American, and French tourists. None of the large hotel or resort chains have moved in, so Saint Pierre remains largely unadvertised and unknown to the general public. During the cool summer, the population may be as high as 6,000. In the winter, the population drops to 500 or 600. One hardy resident proudly showed me the snapshots he took last winter of the icebergs off the coast! Popular activities are hiking, boating, sailing, ocean fishing, and shopping in the numerous stores offering French and imported products at very low prices.

Your operating permit for Saint Pierre is obtained from the French Government. The ARRL can provide the application forms. Use the same forms as applying to France, but note on them that you are applying for the overseas department of Saint Pierre. The forms, copies of your U.S. license and a fee of 70 francs will obtain you a 3 month temporary operating permit, allowing you to sign the FP prefix before your call. FP calls seem to be reserved for residents of French citizens traveling there.

I obtained actual French currency at the San Francisco Airport currency exchange booth to send the 70 francs (about \$12) license fee. My temporary operating permit arrived within two weeks. I have heard that people using international money orders or other payment means have had longer delays.

Saint Pierre et Miquelon



of the harbor and downtown Saint Pierre. My seven night stay cost \$320. Reservations for the Robert Hotel can be made through:

SPM Tours
 38 Gear Street
 St. John's, Newfoundland,
 Canada A1C 2J5
 Phone (709) 722-3892

Be sure to have them verify with the Robert Hotel for the "radio room." They can also arrange transportation from St. John's, Newfoundland to the Ferry boat which can take you to St. Pierre. I chose to save time and fly directly into St. Pierre on "Air St. Pierre" from Halifax, Nova Scotia. My round trip flight of San Jose - Boston - Halifax - St. Pierre was \$800.

Being so far eastward was a new and exciting operating experience for me. European stations were very strong, and would often break the U.S. pileup. Conditions were poor to California, but I did work Macquarie Island and some

other Pacific. My biggest thrill was working Senegal, Dominican Republic, Israel, and Spain all in a row! I also had exciting contacts with ZC4AP in Cyprus, and 7X25LS in Algeria.

Overall, I worked nearly 500 stations and 40 countries in 6 days of 4 - 5 hours of operating each night. The mini-beam worked very well. Summer thunderstorms and static were difficult, but quite a few contacts were made on the 160m vertical. I had thought the short wave broadcast stations on 40m were bad in California. In St. Pierre they peg the S meter right to the top of the meter! I can't imagine, but it must be even worse in Europe. The vast majority of hams were courteous, patient and polite. A sincere and appreciative thank you to them all. I'm glad they could share in the fun. The biggest problem was people tuning up on frequency - I encourage everyone to get and use a dummy load.

Saint Pierre is a beautiful island to visit, the operating is great, and I encourage other hams to make use of the Robert Hotel installation.

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American or Canadian visitors need not have a passport, only some piece of reliable identification to pass Canadian and Saint Pierre (French) customs. I played it safe and brought my passport. I had already obtained a visa from the French Consulate in San Francisco, and had no entry problems.

You will need to show your radio license and temporary operating permit to explain the radio equipment you are carrying. Assure them the equipment is for personal use and will be leaving again with you.

About 75% of the people speak English as well as French, so I had no problems with language. French, Canadian, and U.S. money are acceptable on Saint Pierre, but Canadian is probably the easiest and most reliably exchanged.

Thanks to K1RH, the Robert Hotel has antennas and coax already installed. The hotel also has a 12 volt power supply, antenna tuner and antenna switch in storage. All you need to bring is your transceiver. The antennas are a Butternut vertical for 160-80-40m; a G5RV for 80-10m; and a 2 element mini-beam on 20-15-10m. There is also 220v and 120v power available. The antennas are atop a three story building.

The "radio room" is one of the nicest in the Robert Hotel Annex, on the third floor, with a beautiful view

PROPER CARE AND USE OF TRANSMITTING TUBES

by Bill Richardson, VY1CW

(This article originally appeared in *The Canadian Amateur Radio Magazine*, June, 1987.)

Contrary to popular belief, tubes are going to be with us for many years to come, especially when high power levels are required. Tubes have been abused for years, but with the increasing difficulty, and rising cost of tubes, Amateurs are going to have to pay closer attention to how they care for these cherished bottles.

All tubes have maximum ratings for their various operating parameters. Some of these ratings can be safely exceeded, but others must be adhered to if maximum efficiency and life are to be realized.

Plate dissipation is one rating that has been exceeded by equipment manufacturers as almost standard practice. Swan was an example of a manufacturer who flogged sweep tubes in most of their transceivers. As long as key down time was limited to 20 to 30 seconds, good performance and reasonable tube life could be expected. When key down time was excessive, the result was usually heard and seen, leaving little doubt as to what had happened. Many amplifiers were built using four or six sweep tubes. Most sweep tubes have dissipation ratings of 18 to 33 watts per tube. When these amplifiers were operated at 1000 to 1200 watts input, the tubes had to dissipate 400 to 600 watts, or four to six times what they were designed for. As long as SWR was low, compression levels were reasonable, and tuning was accomplished rapidly, they performed reasonably well.

Plate dissipation is a rating that tube manufacturers set for continuous operation. Experience and common sense will dictate by how much these ratings can be exceeded. Amateur sideband service will usually allow them to be doubled or tripled fairly safely.

Maximum plate voltage ratings in most cases should be strictly followed. Above these limits, internal elements of the tube can arc over, often with disastrous results to the tube and sometimes to the power supply. Some tubes seem to accept over-voltage. The venerable 813 is a case in point. They will run at 500 to 800 volts over their maximum rating with no problems.

Some tubes are available as pulse rated. These will be designated with a PR in the tube number. 4-1000 and 4-400 tubes can be found as 4PR-1000 and 4PR-400. Maximum voltage ratings are much higher than standard, often to 20 to 39 kV. This is only for pulse service where duty cycles are very low. During manufacture, great care is taken to eliminate sharp

edges on the internal elements. Tubes will often be rated as to the tube's position during use. In most cases this is vertical. When operated in a horizontal configuration, internal elements can sag when they become heated, with resulting shorting of the elements.

Maximum plate current is one parameter that the Amateur has some control over. The proper tuning procedure for the individual amplifier should be closely followed. The goal is: maximum power out with minimum plate current. Glass envelope tubes pose no great problem since the colour of the plates can often be monitored. In a home brew amplifier, an inspection port covered with glass should be incorporated during construction. In this way, any sudden or abnormal change can readily be seen. Many tubes, such as 4-400 and 4-1000s, will operate normally with the plates cherry red. The problems start when the plates turn orange and then white, and start giving off blue sparkles.

Filament voltage is the most overlooked rating in amplifier construction. Filament voltage should be within 5% of the manufacturer's ratings. When home brewing an amplifier, an accurate AC voltmeter should be included. As an example, the filament voltage for a 4-1000 should be within 7.13 and 7.87 volts.

Most ceramic tubes are very critical on filament voltage. The 4CX250 and 4CX1000 should be operated at exactly 6.0 volts for HF use. When these tubes are used at higher VHF frequencies, their filament voltages are lowered slightly. With all ceramic tubes, the cooling air flow must come on with the filament voltage to prevent damage from overheating of the filaments. This is a good idea with any amplifier. For that matter, every amplifier should be equipped with an air flow switch that will shut down the amplifier if anything happens to the air flow.

Screen and grid dissipation ratings are very important with ceramic tubes. When these tubes are used, the screen voltage should be taken from the plate voltage supply. This assures that the tube will shut down before the screen is destroyed if the plate voltage fails. For example, the 4CX250 has a grid dissipation of 2 watts and a screen dissipation of 12 watts. These levels can be exceeded almost instantly if the plate supply fails and the screen supply is still on. In ceramic tubes, the internal elements are very small and closely spaced. This is why they are usable at high VHF frequencies.

The most important consideration with any type of tube is cooling. Very little has been published about seal temperatures. If the seals become overheated and break down, instant destruction occurs. In large transmitting tubes, these limits are usually 150 degrees C for the base seal and 200 degrees C for the

plate seal. Tubes like the 4-400 and 4-1000 are designed to be used with finned plate connectors to aid heat dissipation. These connectors should not touch the glass envelope when cold since expansion after heating can cause the glass envelope to crack or the plate seal to break.

Tubes designed for use with air system sockets should only be used with the appropriate socket and chimney. This will provide for the proper airflow over the tube. Chimneys are getting very hard to find. For 4-400 tubes, the chimneys from dual mantle Coleman lamps work well. For 4-1000 tubes, the bottom can be removed from a gallon pickle jar with a bottle cutting kit. These make very durable chimneys and they are inexpensive.

I have operated many 4-400 tubes at maximum ratings with high capacity muffin fans blowing across them. To date no problems have been encountered. I would not want to try this with 4-1000 tubes though.

For ceramic tubes, an airtight under chassis area with air forced into it and through the tube sockets is the only practical means of cooling. Most tube manuals list the air requirements for each type of tube. Blowers should be of good quality and have a speed of at least 3100 RPM. Lower speed blowers do not perform well when operated against back pressure which this arrangement will have. A good rule of thumb for air flow past a ceramic tube is: a piece of writing paper when placed over the chimney should noticeably lift from the chimney. For glass envelope tubes, the more, the better, short of blowing the tube through the top of the cabinet.

One final point for consideration is spacing of components within the amplifier. Tubes should be at least one half of their diameter from the cabinet. All high voltage wiring should be routed far enough from the tube that heat will not cause breakdown of the insulation. Plate chokes should also be separated from the tube far enough that no melting or breakdown can occur.

With a bit of care, tubes will continue to provide us with many years of economical high power service. Lastly, remember whenever you see one of those big bottles at a flea market, grab it. You never know when you might want to build a bigger amplifier. Now, if I could just find a couple of sockets for 4-1000s, what an amplifier I could build. Oh well, it would be illegal anyway.

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Hams who have everything within reason within easy reach should consider Joseph Henry (and many other early experimenters for that matter) who had to insulate their own wire by patiently winding thread around it.

THE CRYSTALS OF ABU ZAABAL

by Eric Vast

(Originally published in the *Vital Spark*, journal of the Hastings Electronics & Radio Club, Hastings, England. Thanks to Jo, WB6ZUC, for supplying the article.)

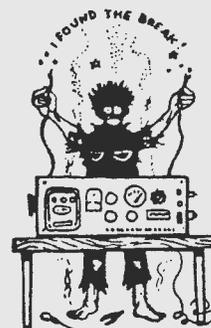
Abu Zaabal was a scruffy Egyptian village some 20 miles south of Cairo. It is also the site of Radio Cairo, which in the forty's was an enormous beast of several hundred kilowatts, Marconi Vintage. At that time there was also a civilian radio terminal which our Forces used for unimportant traffic. It is probably still there.

One day I was told to go to the radio terminal and see what spares they really did need from us, and to cut down their rather optimistic shopping list. This being completed the chief man led me to see their new dug-out (paid for by British tax payers). Of which he was extremely proud. Well he might be. It was obviously the bottom story of a high building-to-be, complete with large holes in the 2 ft thick roof for stair cases, pipes, etc.!!! A dug-out probably unique in military history.

The scene was of course somewhat dominated by the masts and aerials of Radio Cairo, which operated at about 550m. It was one of these prestige stations and was an object of great National pride, with a potential coverage of all the neighboring Arabic speaking lands. It broadcast in roughly equal times of French and Arabic plus a little English news for the troops.

However, the enormous aerial had a funny little extension at an angle at one end, and according to my mate this had been added to try and increase the coverage in Saudi Arabia where the Koran readings were very popular. It seems that the Russians had quite illegally used Cairo's wavelength with some station down by Samarkand which produced a lovely heterodyne, washing out the Saudis. Moreover the extension did not work. I asked my mentor why they didn't change frequency and he said "why not go over the way and ask them!"

This we did and indeed I knew a few of the lads there. They said that the station had a crystal oscillating on its fundamental frequency, which was a cubic, and such crystals did not abound. I had a look at it where it sat in a sort of cats-cradle of silk threads within an oven. In a weak moment I offered to make



VITAL SPARK

them another one, some 15 kHz down, where there was a nice gap in the radio spectrum in those parts. It seems that the Russians had refused to move and also did not even answer their letters. The Bear changes little over the years.

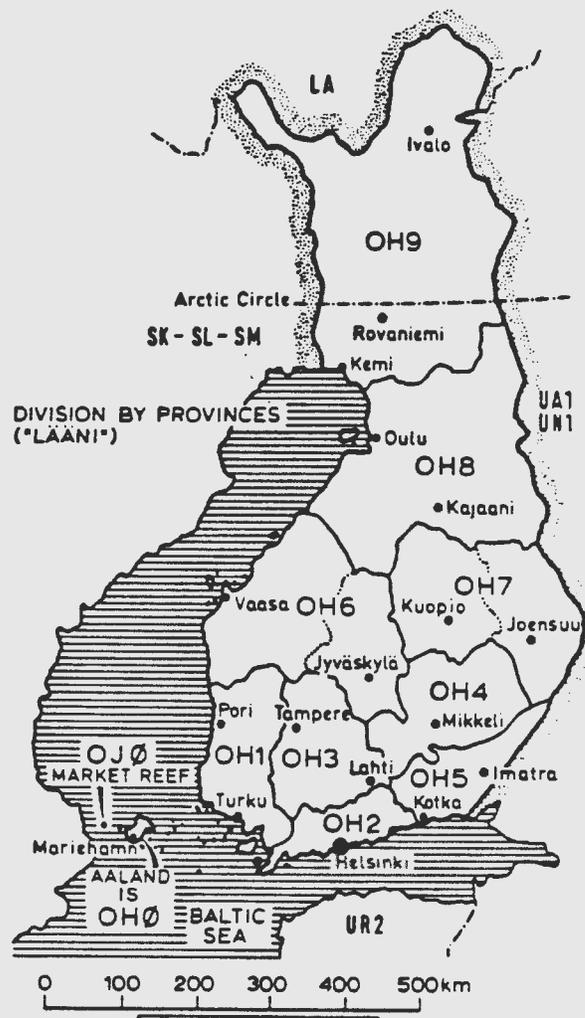
We had in fact made a few cubics amongst our thousand crystals per month, and technically it would be very easy. But, politically it was not. A fine old hornets nest was raised. It was suggested at one extreme that the British wanted to sabotage the station and at the other, they couldn't make crystals anyway! In the end the head of ESB came round and saw our crystals duly made and was converted. Also those rather nice old gentlemen who know the Koran by heart, and more often are blind, agreed that if Allah had put the idea into the heads of the infidels it would probably work out O.K., for were they not also People of the Book?

My own people were not very pleased. I was told that if it did not work out, heads would roll, so I had better be careful.

A nice piece of quartz was selected with prominent edges, for fixing the axis free from optical twinning so far as we could make out. Then a slab at right angles to the main axis was cut and then taken up to the neighbouring hospital (military) with our x ray gun and a short squirt of their machine on the top gain setting produced an excellent scatter spectrum resulting in a small correction of the axis assessment by about 2 degrees. A number of oversize crystals were then cut off from a corrected slab - etched for twinning - etched for deeper flaws and finally a couple were finished to the correct frequency and tried out in a mock up of the Marconi unit. As all checked with known data as to thickness/frequency, temperature drift etc. the new crystal was slipped into position one midnight. A few controls were tweaked here and there round the station. An agent in the Saudi Capital had been alerted and he reported a miraculous improvement! No thanks were received or expected. The thanks are to God who put the idea into the hearts of the Givers.

Some times after my return from Egypt I would listen late at night and check that the frequency was where we had left it. Suez however altered all that. Our lot bombed the radio station and it was off the air for some time. Perhaps the crystals escaped destruction - they deserved to, for I doubt if any other pair received such careful treatment and caused such bother!

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FINLAND OH

Call Areas in Finland
 (Txn RSGB)

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AN OFFER FROM CHOD

I would be pleased to try to answer any DX-related question from any member of NCDXC. I have compiled extensive research files for *The DX Bulletin*, and would be pleased to share any of this information with anyone interested. Since *The DX Bulletin* is a business for me, I would prefer a telephone call instead of a call on the repeater, and the best time to reach me (instead of my answering machine) is in the mornings.

Chod, VP2ML

LETTERS LETTERS LETTERS

de Jerry, G0CLY/K6SMH

I don't know if any NCDXC members QSOed GB4JUL. I personally called for NCDXC several times when we had an opening to California. I did get one CA to own up to being a SCDXC member! Our rigs were a TS-940 plus matching linear. The antenna was my old TH-4 up about 35 feet or so, lashed to a scaffold tower we found around here. Lots of fun and a great deal of interest at the station, too.

This year we are celebrating the Tenth Birthday of DARC (Darley Amateur Radio Club). So I have obtained the special event call sign GB5TEN from 5 October for a month. We are hoping to have a permanently installed tower (40 to 60 ft) with my TH-4 up soon.

We here at DARC put Public Relations high up on the priority list. For the birthday event, we will have an open house activity for the community and show off some more Ham Radio operations. We also provide Course Safety Communications when the community has cross-country runs and the annual Volksmarch in October. Also this month, DARC is supporting the Boy Scout JOTA with special event call sign GB2BSA. This will be a 24 hour round-the-clock activity with the scouts on the microphones (under our supervision, of course).

I am the DARC Awards Chairman. We have only one award at the moment, the WAD (Worked All Darcies) for 5 QSOs with DARC members and 1 with the DARC Club Station, G0FOS. I hope to contrive another award soon; the WALLY Award (Worked ALL Yanks) for QSOs with 15 or more Yanks in the U.K. I think the certificate will be an American flag on "suitable for framing" parchment. I have to work out the logistics for that still.

In addition to all that, I attend University of Maryland four nights a week and teach an elementary electronics course for the Ripon Radio Club each Wednesday evening. Not to mention that I am the Training Officer, on the board of directors for the Ripon Radio Club. To round out my activities, I am one of three Volunteer Examiners on base and we conduct U.S. License examination sessions for any and all interested hams (both U.S. and U.K.) and aspiring hams.

I am beginning to find myself too busy to get on the air! I have moved my home station to the base because I will soon have a better antenna set-up there and I need to not have the radio so easily available when I am home studying.

I will be home for Christmas 1987 for about a month from 18 Dec. to 18 Jan. and I plan to attend NCDXC functions then. Please give my regards to the

NCDXC members. I hope we can QSO some of them from both GB2BSA (17/18 Oct.) and GB5TEN during the month of October.

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[Editor's note: The following letter was not written to the *DXer*. Instead, it appeared in the September 1987 issue of *Smithsonian*. It is reprinted here because it gives some insight into the reason a certain well-known DXer, author, and squirrel molester is so rarely heard on the bands.]

Dear Sir: It was the Smithsonian Institution that got me started in beekeeping. In 1975, wandering through the dim recesses of the National Museum of Natural History, I became conscious of movement at my side. Son of a Gun! It was an active beehive made of Plexiglas, with plastic tubes running from the hives out to Constitution Avenue. And the little insects were diligently buzzing back and forth, making their daily rounds.

I got a book on bees, ordered a hive from a mail-order house and started. There have been hives behind the house ever since.

Currently we have five on a hillside in the center of town. The bees are more of an interesting hobby than anything else. We get about seven gallons of honey per hive each year, but leave a large supply for the bees. They are able to care adequately for themselves should we be away for any period of time.

And it is entrancing just to sit and watch them work.

Hugh Cassidy
San Rafael, California

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REPORT FROM EXILE

by CATPERSON



CATPERSON
(In Exile)

CATPERSON is getting lonesome down here on the Malibu beach. Just saunter back and forth from here to Santa Monica every day and watch people. He would rather watch CATS - or listen to CATS on the CATS NET. But he has been banished by the Grand Inquisitor and must serve time down here until allowed to return to straighten out all you flatheads.

Took short drive over to HRO in Anna's Heim to break the monotony of watching almost-nudists parade on the beach. Found N6RJ teaching code to a

new sales lady. She said she wanted to get a radio amateur license so she could get on 75 meters with a 4 element aerial and listen to Big Daddy up north. She wants to apply for a call ending in RJ. Said her name was Brandy.

Next week will take a scooter ride to the San Diego Zoo. Want to sit in front of the monkey cage. It will make CATPERSON nostalgic for you CATS, but what else can he do? The CATS down here are about the same as you CATS up there. All of them need shaping up.

Now hear this. The Marine Corps has requested that CATPERSON spend a month or so as Guest Lecturer and Chief Instructor at the Marine Corps Recruit Depot in San Diego. They want CP to teach and shape up the Drill Instructors. They are getting too forgiving down there.

But alas, CATPERSON is growing restless and unhappy being down here and away from his pinheads on the CATS NET. Is WWTSA5IN (formerly WA6AHF) still yammering about his riddley-tiddley? And has N6AN learned to play Mozart duets with Uncle Vern on his new CATPERSON special whistle? And did Bob, Son of Thomp, K6SSJ, ever finally move into his Eiffel Tower abode -- the one that looks down on Yosemite Valley? And has W6OAT ever returned from the Seychelles? And all those other CATS that require reprimands to keep shaped up -- continuously. You know who you are -- the ones that drift a bit here and there -- Right D. P. Almer? R. P. Anton? Mill Valley Philosopher and your thinking friend, the Oracle of San Rafael? And are W6GO, W6QHS, N6QR, K6TMB under control? Has W6KH complete his new VOA final?

CATPERSON might add that it has come to his attention that some of you Toms are stalking my Tabby Feline on the back fence while I am in exile. Especially that sleek, good looking, hard working, Mr. R. V. Allio, W6RGG, who is president of everything. Watch yourself, RGG.

And stay tuned in to the Thursday night 8pm club net. Give support to your new struggling president, Timid Ted, KA6W. But CATPERSON will return and straighten him out. Until then help the club officials -- they sure need it. And send in your offering to Mr. J. A. MacSwill, your tabloid editor. You are herewith directed to do something useful for the club -- how can you be a member without doing something now and then? Participation, please.

You are warned -- do not let yourselves get into CATPERSON's sights!

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VOLUNTEERS PLEASE FOR W4BAA DXPEDITION

Our radio club is planning a DXpedition to one of the "most wanted" countries on the DXCC list. In order to be certain that this operation corresponds with current practices surrounding rare operations these days, we require the aid of accomplished volunteers in the following areas:

1. TUNER-UPPERS. Three from each call area who can work split shifts to be certain someone is tuning up on our frequency at all times.

2. RESEARCHERS. To come on frequency to ask such germane questions as "What is his call," "Where is he listening," "QSL info," "When you gonna work 160?"

3. DYSPEPTICS. To make rude noises on frequency.

4. RESTLESS HAMS who will demand that we work the 6s or 7s or whatever we aren't hearing at that moment.

5. PATRIOTS who will come on frequency and demand: "Work the Americans!" to endear us to hams all over the world.

6. HEARING IMPAIRED. We need several in each call area to call when other areas are specified. For example, if we ask for 9s, all districts call but the 9th. (This requires considerable restraint and the job will be given only to the most talented.)

7. A DEMONSTRATION SUPER STATION. To break the pile-up at least once a day with his laser-like signal and carry on essentially as follows: "Good morning, Gopal/Rasheed. This is your friend Bill/Ted in New York/Ohio. I haven't heard Bharathi/Mohamed since Wednesday and hope he/she is well...etc." This is intended, of course, to impress all waiting on frequency, but it gives us time to refill the generator.

Here's your chance to make a real contribution to DX. Please don't let us down. Submit call and references. Lucky winners will be announced prior to our departure.

From *The DX News Sheet* via W6ISQ

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HONOR ROLL			---DXCC---					====5 BAND DXCC====					HONOR ROLL			---DXCC---					====5 BAND DXCC====					HONOR ROLL			---DXCC---					====5 BAND DXCC====				
CALL	MIX	PH	CW	MIX	PH	CW	10m	15m	20m	40m	80m	CALL	MIX	PH	CW	MIX	PH	CW	10m	15m	20m	40m	80m	CALL	MIX	PH	CW	MIX	PH	CW	10m	15m	20m	40m	80m			
KF6A				274								W6ISQ	315	312		348	331	207	157	189	219	122	110	K6RQ	317			354			91	182	285	126	71			
K6AAW	311			323								W6JD				309	204	276						N6RR				289			116	210	176	129	88			
AA6AD				271	181	252	109	176	258	54		W6JHN				146								WB6RSU				265										
W6AED/7				325				100	100			N6JM				278	259	217	164	205	239	104	74	K6RUW				270	242	120	100	100	100					
W6AEO				241								W6JRY	306			321								DJ6RX	315			336			215	271	303	227	185			
WA6AIF	312			332			100	100	100	100	100	N6JV	310			321	167	300	100	100	100	100	100	AF6S				303	294	247	261	288	188	123				
KG6AM				242	232	106	75	152	216	25	13	W6JZU	312			328			75	115	255	22	12	K6SIK				249	238	67	133	217	94	81				
N6AN	311			330	283	267	211	267	291	157	112	K6KCM				254	14	240						W6SJC				231	101	101								
K6ANP				316	199	211	133	144	199	110	105	W6KG	314			352	290	108	161	193	210	169	105	W6SSA				231										
W6ATO				260								W6KH	316			354								N6ST				314	292	228	166	201	276	201	166			
N6AUS				258								W6KNH	315	315		336	336							W6SYL				185										
W6BH				302	297		209	248	303	184	66	W6KOE		313		332								W6TC	312			327	306	100	100	100	100	100				
KA6BIM				196	190	59	108	131	141	33	8	W6KQK				310	295	287	243	278	299	152	118	W6TER				269										
W6BJH	311			327	192	282	120	117	187	117	100	K6KQN				265	260							WA6TKT				249	160	140	100	100	100	100				
WA6BSS				277		2	124	155	227	49	14	NB6L				299	191	138	100	81	170	27	2	K6TMB				288	281	190	173	192	269	114	103			
W6BSY	315	313		357	351							WA8LLY				107			40	57	102	40	9	WA6TOO				251			58	84	167	6	6			
KB6BW				251	2		89	89	151	26	2	K6LQA	312			330								W6TPH				272	238	187	141	181	172	110	100			
K6BWX				225	1	224						W6LQC	313	312		330	330							W6TSQ				346			271	300	300	292	247			
W6CF	315			342	294	185	204	239	306	178	138	WX6M				308	308	21	145	135	167	65	44	AEGU				304	276	200	200	200	200	140				
K6CN				260	253	158						K6MA	316			346	317	264	110	100	100	102	108	K6UD	308			318	306	207	240	244	244	176	147			
W6CTL				301		190						KB6MD				240								WB6UOM				300										
WB6CUA				311	265	263	100	100	100	100	78	W6MUR	313			351								W6UR				264	159	158								
AD6D				106	252		104	144	146	96	40	W6MZ				324								K4UVT				287	208	97	31	70	275	53	7			
WM6D				151	71	122	29	56	100	46	11	KM6N				270	212	234	100	100	100	73	36	AC6V				288	285	124	216	196	202	29	4			
K6DC	315			359								W6NA				266			136	180	249	165	92	AJ6V				296	208	244	132	155	236	123	60			
W6DD				126								WB6NBR				176	9							W6VQD				320	319	1	134	157	282	104	106			
W6DPD				300	300							W7NCO	308			330	253		145	182	291	184	113	KD6VS				304										
K6DR				248								W6NKR				289								K6WD	309			321	263	100	100	100	100	65				
K6DT	312	307		340	320	293	229	251	328	153	121	W6NLG				300	100	100	100	100	100	26	6	WB6WKM				292	100	100	100	100	100	95	59			
W6DU				321	266	288	205	211	289	122	85	K6NM				300	200	191	100	135	258	152	34	KE6WL				204	189	130	74	148	169	62	18			
NQ6E				202		152	106	114	173	111	108	W6NPN				314	200	265	200	200	200	178	139	K6WR	317	317		348	348	100	100	100	100	100				
KB6EI				302					302			KR6O				100	100	100	100	100	100	3		KH6WT				204										
WD6EKR				275			134	203	235	46	54	WA6O				217			88	50	123	2	16	KK6X				281	227	255								
W6ERS	315			345								N6OC				303	300							NG6X				250										
W6ETR					237							WA6OEY				227			71	60	170	20	8	W7XA				325			277	298	309	174	137			
WB6EXW				303			100	100	100	50	11	WB6OIP				305	220	185	152	160	248	85	20	K6XM				267	209	222	163	179	246	144	68			
WW6F				264	260	124	135	133	170	36	33	N6OJ				316	275	105						K6XN				307	300	263	131	142	237	108	137			
W6FAH				241			121	116	230	110	120	K6OJO	312	311		328	327		187	250	309	17	12	W6XP	312	312		328	28									
WB6FCR				293	279							W6OMR	307			330	315							K6XT	312			327	160	100	100	100	100	65				
WB6FDQ				225	175	125	110	110	110	110	110	W6OSP				290								KD6XY				280	258	21	98	100	204	5	3			
W6FGD				295	217	245						WB6OTB				238								KR7Y				286	228	242	101	119	222	168	142			
K6FO				277	185	239	134	164	235	125	102	WB6OTC				284								K6YK				306	245	273	233	254	287	201	101			
KB6G				253		229						K6OZL				332			100	100	100	100	100	W6YK	315			359										
K6G6F				281			70	120	210	256	124	AK6P				250	250							W6YVK				251			160	198	173	56	42			
WB6GFJ				101	300	70	161	192	246	105	50	K6PBT				183	143	63	60	64	109	31	1	AA6Z				283										
N6GG				301								K6PKO				300			270	175	185	92	67	WB6ZHD				265	100	100	100	100	150	32	22			