



More in our series from  
AE6RR on QSLing p8



# DXER



OFFICIAL JOURNAL OF THE NORTHERN CALIFORNIA DX CLUB

## October 2007

### Inside this issue...

#### Table of Contents

President's Message p2-3  
New Members p3  
Outgoing QSL Info p3  
Save the Date p3  
Secretary's Message p4  
Swap Shop p4  
New DXer Mail List p4  
Club Calendar p4  
Meeting Announce p5  
ARRL Elections p6-7

QSLing Part 2 p8-12

Convention Reminder p12  
Upcoming DXpeditions p12

HRO p13

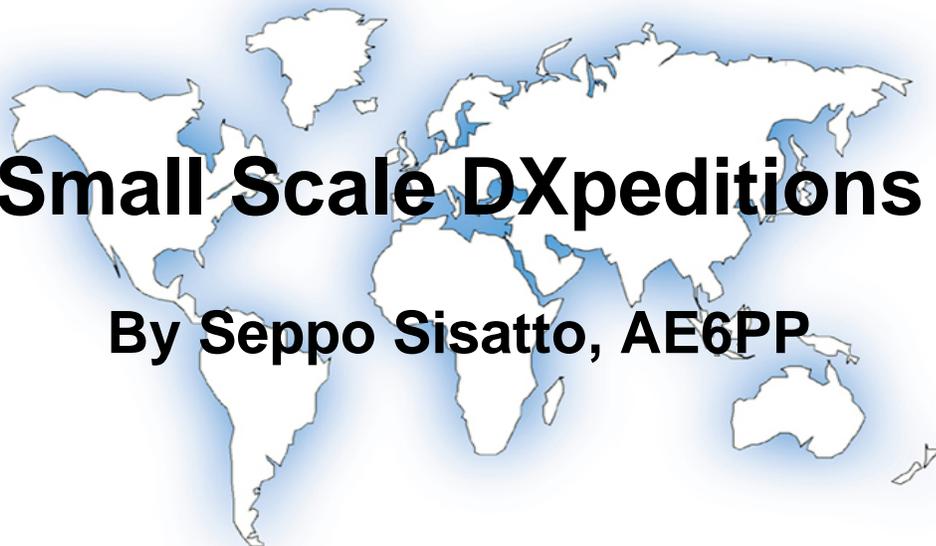
## Don't Miss Our Next Meeting!

7:30pm - October 18<sup>th</sup> at  
Holder's Country Inn  
998 South De Anza Blvd., San Jose, CA

Featuring a presentation on

## Small Scale DXpeditions

By Seppo Sisatto, AE6PP



Don't forget we will  
have QSL Card  
checking at the Oct.  
meeting. ★

Be sure to take  
advantage of this great  
service to our  
members!

Be sure to stop by the NCDXC information table  
Saturday, Oct. 20<sup>th</sup> at this year's Pacificon. Contact  
Carolyn, WB6ABC to assist with manning the booth.  
For tickets and general event info visit the Pacificon  
website at <http://www.pacificon.org>.

Got something to sell?  
Looking for an early  
stocking stuffer?  
Check out the Swap Shop  
on page 4



# Northern California DX Club

## Club Officers:

President: John Eisenberg, K6YP  
Vice Pres: Risto Kotalampi, W6RK  
Secretary: Craig Bradley, AE6RR  
Treasurer: Steve Jones, N6SJ  
Director: Curt Kolovson, W6RQ  
Director: Jim Abraham, W6EB  
Director: Dewey Churchill, KG6AM

DXer Editor: Phil Steffora, K6PTS  
phil@k6pts.com

Web Page: Risto Kotalampi, W6RK  
<http://www.ncdxc.org>

DX Ladder: John Kelly, KG6XF  
9-Band Award: John Brand, K6WC  
Contests: Dick Courtway, N7RC  
California Award: Robert Bickel, K6FX  
Records Manager: Ron Panton, W6VG  
Publications Mgr: Ron Panton, W6VG

---

Club Repeater: W6TI/R  
Frequency/offset: 147.360 Mhz +, pl 110.9  
Trustee: Bob Vallio, W6RGG  
Control Operator: Robert Smithwick, W6CS  
Maintenance: Peter Grabosky, W6OOL  
Club simplex: 147.54 MHz (suggested)  
Thurs. Net OTR: 8 pm local time.  
Net Manager: Kristen McIntyre, K6WX  
DX News: Net Control Operator  
Swap Shop: Jim Abraham, W6EB

## W6TI DX Bulletins:

W6TI Station Trustee Bob Vallio, W6RGG, transmits DX information at 0200 UT every Monday (Sunday evening local time) on both 7.016 and 14.002 MHz.

Club address: NCDXC  
Box 608  
Menlo Park, CA  
94026-0608

The DXer is published monthly by the Northern California DX Club and sent to all club members on the web. Unless otherwise noted, NCDXC permits re-use of any article in this publication provided The DXer and the article's author, editor and club are credited.

© 2007 NCDXC All Rights Reserved

## President's Message

Dear NCDXC member,

I guess I must have forgotten just how good it was in 2001 at the top of sunspot cycle 23 because it is amazing how much truly great DX is on the air and workable now, with only a modest station. Reg K6SSJ/M (yes that's right mobile) worked the 3C7Y on 20 cw right through the European wall. There are at least a dozen rare and semi rare countries on this month including 3C, 4UN, 5N, 8Q, H40, LX, S7 and ZL7 to name a few. All this and it is going to get better for the next five and a half years. Stay tuned!

There are a lot of other things happening this month. NCDXC will meet on Thursday, Oct. 18 at Holder's Country Inn at 998 South De Anza Blvd., San Jose. Unfortunately Wayne Mills N7NG will not be able to speak at our October meeting due to a recurrence of a back injury which has caused him to reschedule his trip to the Bay Area. He is still looking forward to presenting at a future NCDXC meeting. Risto, W6RK, always fast on his feet, pulled in an outstanding talk on very short notice. He asked Seppo Sisatto OH1VR / OH3MMM / AE6PP (note the Finnish connection), a noted contester, DXer and world traveler to speak to us on small scale DXpeditioning. Seppo will explain how a few people can go to an exotic location, explore the area, do fun activities and also do ham radio as well. This scenario is the exact opposite of today's mega DXpeditions like 3B7C and 3Y0X. It brings to mind the very recent VK9WWI operation from Willis Island, a two man DXpedition that was targeted at diving and DX and provided many people with a much needed DX counter.

I know there a number of people in the club who are interested in mounting a low budget DXpedition. Come see how these are planned and executed.

Right after our Thursday meeting, Pacificon begins on Friday, October 19 with an all day antenna seminar.

(Continued on page 3)



(President's Message Continued from Page 2)

Exhibits open Saturday, October 20 and there will be talks on topics covering a wide range of topics on Saturday and Sunday. A swap is also scheduled for Sunday.

NCDXC will have a booth at Pacificon. Please stop by and say howdy if you are at the convention. Carolyn Gavin WB6ABC and Mike Gavin W6WZ have organized our presence at Pacificon and they request your help in manning our booth. Last year we signed up several new members at Pacificon. Let's do it again! Info on Pacificon may be found at [www.pacificon.org](http://www.pacificon.org).

Kristen K6WX, our Thursday NCDXC net coordinator, has re-written the net script with the goal of increasing participation by member and guest check-ins. Kristen used the new script on the net last week and I used it this week. It is great to actually hear what people are up to.

Ron W6VG is rebuilding his shack and looking for a driver tube for the 6146's in his rig. Once Ron discovers the number of the driver tube, I am sure that someone will have one. I was just wondering what kind of integrated circuit a 12BY7 is.

Chuck K6RK worked the 9U0A on 20 meters (I was hoping he did it on 160 meters) and this is where I discovered that Reg K6SSJ worked 3C7Y mobile. A number of interesting swap items including Dave's KI6WF Icom781 and Phil's K6PTS Icom 718. I really like Kristen's idea of getting everyone who checks in to the net involved. Her new net script accomplishes this goal and should increase the popularity of the net. Please join us on W6TI, 147.360, positive offset, 110.9 Hz PL at 8:00pm on non meeting Thursdays.

I'll be looking forward to seeing you at our October meeting at Holder's.

Best 73 and DX,

John K6YP

The NCDXC wishes to welcome our newest members:

Paul Ewing, N6PSE  
Joe Colouch, WB6TFD  
Robert Lupo, KG6SKA



## OUTGOING QSL SERVICE

The NCDXC will be helping members submit their outgoing Bureau QSL cards. Simply bring your cards to a meeting. There is no charge for postage or submission to the buro. All expenses are covered by the club.

Be sure to bring a piece of paper with your name, address, call and ARRL member number along with your cards. We take care of the rest!



**SAVE  
THE  
DATE**

The NCDXC Holiday Luncheon will be held at Michael's Restaurant at the Shoreline Golf Course on Dec.15 from 11:00 am to 3:00 PM.

See the Nov DXer for details!

## SWAP SHOP



**FOR SALE - Icom IC-781** in excellent condition. Factory replaced CRT display with LCD display. Instruction manual, service manual and schematics. Original shipping box. Asking \$1,500. Available for pick-up only. No shipping. Contact: David Pugatch, KI6WF (510) 527-1043 [ki6wf@comcast.net](mailto:ki6wf@comcast.net)

**FOR SALE – Icom IC-718** in perfect condition. Only 1 yr old in original box with hand mic. \$475 Contact: Phil Steffora, K6PTS (650) 793-4970 [phil@k6pts.com](mailto:phil@k6pts.com)

Have an item to list? Send it to Phil ([phil@k6pts.com](mailto:phil@k6pts.com)).

## New DXer Mail List

Are you new to DXing? Have questions? Need an Elmer? Post your questions to the new Dixer email list. [newdixer@ncdxc.org](mailto:newdixer@ncdxc.org)

## Club Calendar

October 18<sup>th</sup> – Club Meeting  
November 15<sup>th</sup> – Club Meeting  
December 15<sup>th</sup> – Holiday Lunch @ Michael's Restaurant

## Secretary's Report:

The September meeting was a great success! Our new venue appears to have worked out well. We were able to attract several new people, some of which stated that they felt like Redwood City was too far to drive. One was my DX Elmer Bob, W6CYX who was a member many years ago. He even found his old NCDXC badge to wear!

I was able to get a news release posted in the Daily DX announcing the meeting, which may have helped boost the attendance some. Bernie, W3UR the publisher of the Daily DX has been very cooperative in posting club news. If you do not subscribe, you may want to check out a free two week trial at <http://www.dailydx.com/order.htm>. I have subscribed for over 2 years and I enjoy finding this publication in my email inbox every weekday morning. Bernie usually has the latest DX news and great "inside" reports.

In the Friday, Oct. 12 issue Bernie reported that registration is now open for next year's Visalia International DX Convention at <http://www.dxconvention.org/>. It's time to sign up. Do you have your hotel reservations yet?

At the September meeting we had 3 new members voted in. Please welcome Paul Ewing - N6PSE, Joe Colouch - WB6TFD and Robert Lupo - KG6SKA to the club.

On the DX front, the bands have been very quiet with zero sunspots for most of the last month and this month. My last good DX was 3B7C on September 13 (Yes, I did get them on 20 CW with my stealth antenna and 600W). The last couple of days (Oct 12-14) have been better with Europe coming in during the day on 20M. Let's hope that the conditions continue to improve with the fall contest season coming up. Don't forget the CQ WW SSB DX Contest the weekend of Oct. 27-28. It is a good chance to work some new ones.

73 for now,  
Craig, AE6RR





# NCDXC October Meeting

**Thursday, October 18<sup>th</sup>**

**6pm – 7:30pm Dinner/Social - 7:30pm Club Meeting**

**Featured Presentation**

## **Small Scale DXpeditions**

**By Seppo Sisatto AE6PP**

**Location:**

**Holder's Country Inn  
998 South De Anza Blvd.,  
San Jose, CA 95129 - (408) 244 2798**

**CHECK OUT THIS MONTH'S GREAT RAFFLE PRIZES!!!**



**First Prize: The New Daiwa CN-801HP Professional SWR/WATT Meter**

**Second Prize: 12 Meter Ham Stick with Quick Disconnects for 5 Antennas**

**3rd Prize: 2m/70CM Dual Band High Gain Antenna for HT**

**4TH Prize: Coast TeK Torch V1 Power Lenser Clip Light**

**5th Prize: Solar Power Flashlight**

**Plus 3 door prizes: Each attendee will get 2 free tickets!**



# **It's ARRL Election Time – A few words from each candidate for ARRL Vice Director - Pacific Division**

**(Ballots are in the mail now)**

## **Incumbent, Andy Oppel**

**It has been an honor and a privilege to serve as your Vice-Director since 2003, which included being a member of several ARRL committees:**

**1) The National Emergency Response Preparedness Committee (NERPC), which delivered a comprehensive study with specific recommendations to improve our readiness to respond to widespread emergencies.**

**Within the NERPC, I chaired the database group and personally wrote detailed specifications for an ARES registration database, which was subsequently built by ARRL staff and is now ready for use.**

**2) Since 2006 I have chaired the Technology Task Force, which has reviewed technical development work done by volunteer working groups and presented recommendations to the Board of Directors.**

**3) In 2003-04 I served on the ARESCOMM Committee, which presented recommendations for ARES digital communications to the Board of Directors at the 2005 Annual Meeting.**

**Although I work all modes and an occasional contest, as you can see I have a passion for emergency communications not only because it serves our communities well, but also because it is the best way to justify amateur radio to those who would like to take our spectrum away from us.**

**Prior service to the ARRL includes East Bay Section Manager 2000-2003 and Assistant Section Manager 1981-1999. I have completed ARECC Level I and II and FEMA courses 100, 200, and 700, and am a mentor for ARECC Levels I and II. I serve as Assistant Chief Radio Officer for Alameda County (California) RACES/ARES.**

**Professionally I am Principal Data Architect for Ceridian, have taught at U.C. Extension for 25 years, and am the author of two published books on database technology. I frequently offer the ARRL advice on information technology issues.**

**Vice-Directors cannot vote or address the floor at board meetings, so our influence is through background discussions and active listening. I know the process well and can make your ideas and opinions heard.**

**More information is available on my website: <http://www.andyoppel.com/N6AJO>**

**(Continues on page 7)**



## ARRL – Vice Director Pacific Division Candidates Statement (continued)

### Candidate, Rob Brownstein

I am Rob Brownstein, K6RB. June marked my 49<sup>th</sup> year of active ham radio operations. During those years, I operated CW, phone, and digital modes. I ragchewed, chased DX and participated in various contests. I operated in Field Day and joined local amateur radio clubs in the various places that I've lived and operated. In other words, I have enjoyed a broad swath of all the things that ham radio operators do.

Your choice for vice director will serve for the next three years. My opponent wants you to choose him because he has focused almost exclusively on emergency communications, and says that is the primary function for which ham radio is recognized and affirmed.

Most non-hams do get their impressions of ham radio from news stories about hams stepping in during emergencies. But, is that the only thing we do?

All of you know there's a lot more to ham radio than that, and while emergency communications is a wonderful service to our communities, it is just one aspect of our hobby. To be fully represented, you need someone who knows what you do, whether it's HF or VHF operation, DXing, contesting, ragchewing, or experimenting. And I've done them all.

Who is better suited to serve the diverse needs of today's Pacific Division amateurs? Do you want someone who does one thing and reads about the others? Or do you want someone who does pretty much all of the same things you do? My opponent and I are both good people, and we want to do what's best for this division. We just come at it from different places. He's a specialist; and I am a well-rounded generalist. If you want broad rather than narrow, please give me your vote.

(If you are a voting eligible member of the ARRL, your ballot will be mailed to you.)

**Don't miss the Annual ARRL Online Auction Preview begins Wednesday, Oct 18<sup>th</sup> at <http://arrl.auctionanything.com/> Check it out!**



**Special Note:** Kudos and a hardy thank you go out to Bob Lanning, W6OPO of San Jose for his act of kindness. During the September meeting he won our grand prize of the (2) TS-930s. However, after learning one of our new members Bob Lupo, KG6SKA of Roseville had purchased over \$80 worth of tickets to try to win the radios, he just gave him the radios. Wow! As it turns out, KG6SKA's father (a ham of 50+ years) living in Alaska has the same radio. It was his wish to be able to work his father using the same equipment. Thanks again Bob, W6OPO for making this happen. You are definitely a class act.



# A Guide to QSLing – Part 2

## By Craig Bradley, AE6RR

This is the second article of this series which is intended to serve as an introduction and guide to QSLing, specifically oriented to the new DXer. Hopefully, there will be some tidbits for the experienced DXers as well. This article has its roots in my talk “Zero to 100 in 18 Months” that I gave at the June 07 meeting of the NCDXC.

The slides for that talk are posted on the NCDXC web site at:

<http://www.ncdxc.org/Ncdxc/Presentations/0%20to%20100%20in%2018%20Months.pdf>.

Last month’s issue of the DXer with part 1 of this series can also be found on the web site at:

<http://www.ncdxc.org/Ncdxc/Newsletter/Dxer2007/dxer0907.pdf>.

At the September meeting I received a tip on outgoing envelopes that I would like to pass on. This tip originally came from a DX QSL manager. He suggested that you cut a corner off of the envelope so the postal employees can look inside to see if there is any thing of value, like green stamps (US \$) without having to open the envelope. It would be like advertising “there is nothing of value in here”. You would cut the bottom left hand corner off so the envelope does not get stuck in postal handling machines and ripped apart. I have not tried this, but it sounds like a good idea, especially when sending QSLs to countries known to open all of the mail or if you are resending a card to a country where you suspect that your original got waylaid. Obviously, you would enclose an IRC and not green stamps when using this method.

If you are interested in the logging program, XMLog that I talked about last month, you can find it at <http://www.xmlog.com>.

Also, there are some great tips on QSLing in the QSL Corner on <http://www.QRZ.com> at: <http://www.qrz.com/i/qsl-corner.html>.

### QSL Information

Now that we have covered preparing the QSL card, envelopes and their contents, the next question is “Where do I send the card?” Sometimes DX operators will give out QSL information on the air, but this is time consuming and prone to error. If they give the call of a QSL manager, be sure to log it. The first place to look for QSL information and addresses is QRZ.com. Many logging programs, including XMLog will automatically look up the station on QRZ.com and put the address in the log entry. The programs can also get the call of any QSL manager and put it in the log entry. With XMLog you can double click on the manager’s call and it will look up his/her address. Then you can click a button to have that address added to the log record for label printing.

(Article continues pg 8)



Just getting the address is not the whole answer though. Before tossing the card in the mail, you should read any instructions that the DX has posted on QRZ.com. He may require green stamps only or he may want IRCs. If the postage cost is high in his country, he may want multiple green stamps or IRCs. He may also want you to help defer the cost of the QSL cards, etc. Some DX operators seem to want a lot and some people think that they are using it as a source of income. They may be, but if you want the card, what choice do you have other than looking for another station to work in that country?

Here is an example of a listing on QRZ.com. Note that the DX is requesting that you QSL direct or via the bureau. In this case you should use the address on the posting.

**CU3EQ**  Lookups: 11166

JOSE VITOR MARTINS TOSTE  
P.O.BOX 237  
9701-903 ANGRA DO HEROÍSMO  
AZORES ARCHIPELAGO

**QSL:** [qsl direct or via bureau](#)

[Detailed info](#) [Update this listing](#) [Update Policy...](#)

[Mailing Label](#) [Postcard](#)



Email: [Show CU3EQ's email address](#)

<http://www.freewebs.com/cu3eq/index.htm>

(Article continues pg 9)

If the DX has a QSL manager, you are in luck. Most QSL managers are in a country where the post office is relatively honest and they are usually very good about responding to your card in a timely manner. QSL managers do this work for free and perform a great service. Some of them collect stamps and the incoming cards are a great source of stamps. If you have any unusual stamps, the manager will probably appreciate them. Last month I mentioned a few things like self sealing envelopes that make life easier for a QSL manager. If you make his job easier, you may get your card quicker. If the DX has a QSL manger, your next step is to look up the manager on QRZ.com to get the manager's address and check for any special instructions from the manager.

What if the DX is not listed on QRZ.com? There are other online data bases that you can check, such as: WM7D at [http://www.wm7d.net/fcc\\_uls/](http://www.wm7d.net/fcc_uls/), K3WWP at [http://home.alltel.net/johnshan/dx\\_ss\\_routes.html](http://home.alltel.net/johnshan/dx_ss_routes.html) and the World Wide Ham Call Callsign Server at <http://hamcall.net/call>. If you can't find the station in one of these databases, try a web search with your favorite search engine. You may find the information out on the web. If you strike out, maybe you have the call sign wrong. If you have a busted call, the job is tough. Another source of information would be to post your inquiry on the club reflector. Someone else may have worked the station and may have the information that you need. You may also get suggestion of a corrected call sign. If the station was operating with his own call such as VP5/AH6HY, most likely the QSL route will be through his home call AH6HY.

If you worked the station in a contest, you may find some information in past contest results on the web. If you find some hits, at least there is some hope that you have a correct call. If you are a member of the Northern California Contest Club, you could try a posting on that club's reflector. Someone else may have worked them in the contest also.

### International Reply Coupons (IRCs)

I have mentioned IRCs in both last month's and this month's articles. Some notes on IRCs may be in order for the new DXer. You can purchase IRCs at the post office and they are good for return postage in most countries, but not all. The post office's website has a listing of the countries that accept them. The person receiving them can take them to their local post office and exchange them for stamps.

When you go to buy IRCs, don't be surprised if the post office clerk does not know what you are talking about. You may have to ask for a supervisor and they usually keep them in the back somewhere. Be aware that IRCs have an expiration date, so be sure that you are getting the newest ones. Sometimes you will see IRCs advertised for sale on the Internet, so be careful that you are getting valid ones. Occasionally, a major DXpedition will sell IRCs at a discount. They get a lot of IRCs, if the expedition is QSLing from the US. IRCs are more expensive than stamps, so they can buy stamps and sell the IRCs for a profit to help offset the cost of the expedition. Again be sure that you are getting the new IRCs which expire on 31 December 2009.

(Article continues pg 10)



## QSL Bureaus

Another way to send QSL cards is through the bureaus (some call them burros). The main advantage to this method is the low cost. You do not include return postage and you do not need envelopes or stamps. The QSL Bureaus are run by the national radio clubs. The US bureau is run by the ARRL. They charge \$1.50 for up to 10 cards. If you mail cards with IRCs, your cost per card including the international stamp, IRC and envelopes will be over \$3 per card. The NCDXC has a new service that sends the cards to the ARRL bureau for you at no cost to you. This is a good deal, especially if you are sending a lot of cards out. Just bring your cards to the next meeting. You can find every thing you need to know about the ARRL bureau at: <http://www.arrl.org/qsl/qslout.html>.

The main disadvantage of the bureaus is that they are very slow. It will take many months for you to get a card back, possibly well over a year. When you send a card to the bureau, they sort them into bins for each country. When they get enough, they package up all of the cards for each country and send them in bulk. When the bureau in the foreign country receives the cards, they sort them by call sign and when they get enough for a station, they mail them in one envelope to that station. They may only do this every few months. When the DX gets the cards he needs to check his log and fill out a return card for you. When he gets enough bureau cards, he will send them to his outgoing bureau and the process starts over in the return direction to you. Also, the DX operator may not consider the bureau cards a high priority and they may sit on his desk for a long time. The direct cards will probably get processed first.

If you cannot find an address for a DX station, the bureau may be your only choice, but it could be a shot in the dark. Some DX operators only QSL through the bureau. It is safer and is not subject to postal pilfering. Another reason to use the bureau is if you are sending a large number of cards to work on multiple band DXCC, Challenge Award, etc. As it could take some of us many years to get 5-Band DXCC, waiting a few months or a year for some of the cards is no problem.

If you want to receive QSL cards through the bureau, you must send envelopes and postage to the incoming bureau. In the US there is an incoming bureau for each call area, so you need to have envelopes on file with the correct bureau for your call area. Note that your call area is the number in your call, not the area where you live. If you have a W4 call, you need to use the 4<sup>th</sup> area bureau. The 6<sup>th</sup> area bureau requests that you send them address labels, not envelopes, so read the directions for your bureau at: <http://www.arrl.org/qsl/qslin.html> first. If you are not setup at your incoming bureau, they may either return the cards to the sender or destroy them. It is a good idea to have your envelopes (or labels) on file as occasionally a DX station will pocket the postage that you sent them and return your card through the bureau. This can be frustrating, but at least you will get the card.

(Article continues pg 11)



## Chasing Down QSLs

What to do if that new rare DX does not return your card? This can be very frustrating after you have invested in the card, IRC, envelopes and postage, only to still be waiting many months later. Some DX stations are very slow to QSL and you may find some online comments about the particular station. One thing that you can do is if you can find an email address (many stations have their email on QRZ.com), is to send a polite email with the contact information (date, time, frequency and mode), ask if you are in the log and if they received your card. I usually volunteer to send another card if it was lost in the mail. I have "broken loose" several cards this way. Sometimes the DX will send an apology and get the card in the mail or tell you that they are waiting for new cards to be printed, etc.

Another thing to do after a few months of waiting is to go back online and recheck the DX's address. Maybe he moved and didn't get around to updating his QRZ.com listing for a while. If you find another address, you will need to send another card. I have received several return cards this way. You can also post on the reflectors and see if others are having the same problem. Someone may also have a new address.

If this fails and you really need that country, send another card and cross your fingers. You can also try sending one through the bureau in hope that you will get a reply some day. The only other option is to start over and try to work another station in that country.

Next month I will cover Logbook of The World (LoTW). If you have any comments, additional information or details that you would like to have covered, please send me an email at [AE6RR@arrl.net](mailto:AE6RR@arrl.net). Meanwhile let's hope for some sunspots and the return of good DX!



## Some Upcoming DX

Madagascar – 5R – Sept 26 – Oct 25 - 5R8RJ  
Montenegro – 4O – Oct 17– 21 – 4O0CE  
Swaziland – 3DA – Oct 27 – 28 – 3DA0WW  
Kenya – 5Z – Oct 6 – 31 – YT1CS/5Z4  
Malawi – 7Q – Sep – Nov – 7Q7HB  
Gambia – C5 – Oct 17 – 30 – C52C  
Kazakhstan – UN – Oct – UP0SAT  
Uganda – 5X – Nov 21 – 30 – 5X1NH  
Clipperton Island - FO/C - March 2008  
Cocos Island - TI9 - Sometime in 2008

# VISALIA CONVENTION TICKETS ARE AVAILABLE

Make your hotel reservations and get your tickets today!

<http://www.dxconvention.org>



**ANAHEIM, CA**  
 (Near Disneyland)  
 933 N. Euclid St., 92801  
 (714) 533-7373  
**(800) 854-6046**  
 Janet, KL7MF, Mgr.  
[anaheim@hamradio.com](mailto:anaheim@hamradio.com)

**BURBANK, CA**  
 1525 W. Magnolia Blvd, 91506  
 (818) 842-1786  
**(800) 854-6046**  
 Eric, KA6IHT, Mgr.  
 Magnolia between  
 S. Victory & Buena Vista  
[burbank@hamradio.com](mailto:burbank@hamradio.com)

**OAKLAND, CA**  
 2210 Livingston St., 94606  
 (510) 534-5757  
**(800) 854-6046**  
 Mark, W17YN, Mgr.  
 I-880 at 23rd Ave. ramp  
[oakland@hamradio.com](mailto:oakland@hamradio.com)

**SAN DIEGO, CA**  
 5375 Kearny Villa Rd., 92123  
 (858) 560-4900  
**(800) 854-6046**  
 Tom, KM6K, Mgr.  
 Hwy. 163 & Claremont Mesa  
[sandiego@hamradio.com](mailto:sandiego@hamradio.com)

**SUNNYVALE, CA**  
 510 Lawrence Exp. #102, 94085  
 (408) 736-9496  
**(800) 854-6046**  
 Howard, W6HOC, Mgr.  
 So. from Hwy. 101  
[sunnyvale@hamradio.com](mailto:sunnyvale@hamradio.com)

**NEW CASTLE, DE**  
 (Near Philadelphia)  
 1509 N. Dupont Hwy., 19720  
 (302) 322-7092  
**(800) 644-4476**  
 Rick, K3TL, Mgr.  
 RT.13 1/4 mi., So. I-295  
[newcastle@hamradio.com](mailto:newcastle@hamradio.com)

**PORTLAND, OR**  
 11705 S.W. Pacific Hwy.  
 97223  
 (503) 598-0555  
**(800) 854-6046**  
 Leon, W7AD, Mgr.  
 Tigard-99W exit  
 from Hwy. 5 & 217  
[portland@hamradio.com](mailto:portland@hamradio.com)

**DENVER, CO**  
 8400 E. Iloff Ave. #9, 80231  
 (303) 745-7373  
**(800) 444-9476**  
 John, N5EHP, Mgr.  
[denver@hamradio.com](mailto:denver@hamradio.com)

**PHOENIX, AZ**  
 1939 W. Dunlap Ave., 85021  
 (602) 242-3515  
**(800) 444-9476**  
 Gary, N7GJ, Mgr.  
 1 mi. east of I-17  
[phoenix@hamradio.com](mailto:phoenix@hamradio.com)

**ATLANTA, GA**  
 6071 Buford Hwy., 30340  
 (770) 263-0700  
**(800) 444-7927**  
 Mark, KJ4VO, Mgr.  
 Doraville, 1 mi. no. of I-285  
[atlanta@hamradio.com](mailto:atlanta@hamradio.com)

**WOODBRIIDGE, VA**  
 (Near Washington D.C.)  
 14803 Build America Dr. 22191  
 (703) 643-1063  
**(800) 444-4799**  
 Steve, W4SHG, Mgr.  
 Exit 161, I-95, So. to US 1  
[woodbridge@hamradio.com](mailto:woodbridge@hamradio.com)

**SALEM, NH**  
 (Near Boston)  
 224 N. Broadway, 03079  
 (603) 898-3750  
**(800) 444-0047**  
 Chuck, N1UC, Mgr.  
[salem@hamradio.com](mailto:salem@hamradio.com)  
 Exit 1, I-93,  
 28 mi. No. of Boston  
[salem@hamradio.com](mailto:salem@hamradio.com)

# 12 STORE BUYING POWER



# HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

## KENWOOD



### TS-2000 HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 70CM
- 10W 1.2 GHz w/optional UT-20 module
- IF Stage DSP • Built-in TNC, DX packet cluster
- Backlit Front Key Panel

**Low Intro Price!**



### TH-D7A(G) 2M/440

- 2M/440 Dual Band
- Built-in 1200/9600 Baud TNC
- APRS Compatible
- DX Packet Cluster Monitor
- 200 Mems., CTCSS
- VC-H1 Messaging Control

**Low Pricing!**



### TM-D700A 2M/440 Dualband

- 50w VHF 35w UHF • Opt. Voice Synthesizer
- Receives 118-1300 MHz (cell blocked)
- Remote Head Inst. only (kit included)
- 200 Memories • Built In 1200/9600 baud TNC
- Advanced APRS Features
- Dx Packet Cluster
- Tone Scan • GPS/VC-H1/PC Ports

## COAST TO COAST FREE SHIPPING

UPS - Most Items Over \$100



Rapid Deliveries From  
The Store Nearest To You!

## YAESU



### VX-7R

- 50/2M/220/440 HT
- Wideband RX
- 900 Memories
- 5W TX (300mw 220Mhz)
- Li-Ion Battery
- Fully Submersible to 3 ft.
- Built-in CTCSS/DCS
- Internet WIRES compatible

**Great Price!**



### FT-857D

- Ultra compact HF, VHF, UHF
- 100w HF/6M, 50w 2M, 20w UHF
- DSP included • 32 color display
- 200 mems • Detachable front panel (YSK-857 required)

**Call for Low Price!**



### FT-2000 HF + 6M tcvr

- 100 W w/ auto tuner
- built-in Power supply
- DSP filters / Voice memory recorder
- 3 Band Parametric Mic EQ
- 3 IF roofing filters

**Call Now For Low Pricing!**

## SUNNYVALE, CA

510 Lawrence Exp. #102, 94085  
 (408) 736-9496  
**(800) 854-6046**  
 Howard, W6HOC, Mgr.  
 So. from Hwy. 101  
[sunnyvale@hamradio.com](mailto:sunnyvale@hamradio.com)

## OAKLAND, CA

2210 Livingston St., 94606  
 (510) 534-5757  
**(800) 854-6046**  
 Mark, W17YN, Mgr.  
 I-880 at 23rd Ave. ramp  
[oakland@hamradio.com](mailto:oakland@hamradio.com)

## ICOM



### IC-706MkIIIG HF/VHF Transceiver

- All mode HF/6M/2M/70CM
- 100W HF/6M, 50W/2M, 20W/440 MHz
- AF-DSP • Plug and Play Filters - No Soldering
- Easy-to-Navigate menus

**Low Pricing!**



### IC-756 PRO III All mode Transceiver

- 160-6M @ 100W • Enhanced Rx performance
- 32 bit IF DSP • SSB/CW Synchronous tuning
- Enhanced 5 inch color TFT w/spectrum scope
- Selectable IF filter shapes for SSB & CW
- Multiple DSP controlled AGC loops
- Advanced CW functions
- 101 alphanumeric memories

**The Ultimate Radio!**

## ALINCO



### DJ-196T 2M/HT

- 5 Watt out
- 40 memories
- Alphanumeric display
- CTCSS + DCS built in
- "S" meter
- Auto Dialer

**Low Pricing!**



### DR-135TP 2M mobile

- 50 Watt out • Alpha numeric display
- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS in • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

**Low Pricing!**