



Publication of the
Northern California
Contest Club



Issue 517

June 2015



Inside this Issue:

	Page
Reflector Guidelines	4
Tube of the Month	5
Origin of the Solar Cycle	6
NCCC Point Generator Profile	9
June Meeting Summary	13
All Asian CW Contest	17
Treasure Announcement	18
Contest Calendar	19
HRO	22

NCCC Meeting

[Guests are always welcome at the NCCC! - Please join us.](#)

Saturday 29th August

Location:-

Harry's Hofbrau
390 Saratoga Avenue, San Jose, CA 95129

Program:

To Be Announced

President's Report

Hello KB'ers!

Intimidating....

That's the word that two of our new member used with me following our June meeting. Both were attending their first NCCC meeting. One came up to me after the meeting, using that term, and the other mentioned it in me an email following the meeting.

Our two new members did not use the word, "intimidating" in a derogatory way, referring to the club. I think they simply felt intimidated among a group of mostly long-time, serious contest operators who all knew each other, shared stories with each other, broke bread with each other, and – perhaps – inadvertently left our new members feeling.....well, alone and inadequate in the crowd.

I get this and if some of you look back to your early days on contesting, perhaps you will too. Let me digress.

I got my license in 1963 (WB6EUQ), when living in California. For my first 25 years as a ham I spent my time building repeaters with a little bit of HF 80M CW mixed in. It wasn't until the late 80's that I actually got interested in HF DX. I hung out with other repeater types and had never joined a club.

Continued on page 3



Northern California Contest Club

Excellence In Amateur Radio Contesting

Officers:

President	Bob Hess	W1RH	w1rh@yahoo.com
Vice President /Contest Chair	Steve Dyer	W1SRD	w1srd@arrl.net
Treasurer	Dick Wilson	K6LRN	treasurer.nccc@gmail.com
Secretary	Joanna Dilley	K6YL	secretary.nccc@gmail.com
Past President	Rick Karlquist,	N6RK	richard@karlquist.com
Director	Rusty Epps	W6OAT	w6oat@sbcglobal.net
Director:	Rich Cutler	WC6H	wc6h@yahoo.com
Director:	Ron Castro	N6IE	ronc@sonic.net

Volunteers:

New Member Mentor	Al Rendon	WT6K	wt6k@arrl.net
Charter Member	Rusty Epps	W6OAT	w6oat@sbcglobal.net
Awards Chair	Joanna Dilley	K6YL	joanna.k6yl@gmail.com
CQP Chair	Kevin Rowett	K6TD	k6td@arrl.net
CQP Certificates	John Miller	K6MM	k6mm@arrl.net
K6ZM QSL Manager	George Daughters	K6GT	k6gt@arrl.net
K6CQP,N6CQP,W6CQP QSL Mgr	Ed Muns	W0YK	w0yk@arrl.net
NCCC Email reflector Admin	Phil Verinsky	W6PK	kb-w6tqg@verinsky.com
Webmaster	John Miller	K6MM	k6mm@arrl.net
Webinars	Chris Hoffman	KG6O	choffma@gmail.com
JUG Editor	Ian Parker	W6TCP	w6tcpian@gmail.com
jug@nccc.cc	Fred Jensen	K6DGW	k6dgw@arrl.net
	David Ashworth	NC6P	nc6p@yahoo.com



Northern California Contest Club

Excellence In Amateur Radio Contesting

NCCC Net

Thursday 8 PM

Freq: 3.610 +/-

NCCC

Visit the meetings page of the NCCC website [here](#) for details of the next meeting

NCCC Membership Information

If you wish to join NCCC, you must fill out an [application for membership](#), which will be read and voted upon at the next monthly meeting. ([PDF application form](#))

To join, you must reside within [club territory](#) which is defined as the maximum of:

- Northern California, anything north of the Tehachapi's up to the Oregon border, and
- A part of north-western Nevada (anything within our ARRL 175-mile radius circle centered at 10 miles North of Auburn on Highway 49).

I didn't need a club. I had plenty of ham friends who were into repeater building.

In 1991, nearly 30 years after I had received my license, I found myself in Boston as a result of a job transfer, and didn't know anyone in the local ham community. I had heard of the Yankee Clipper Contest Club but had only dabbled in contesting at that point. In an effort to meet local hams, I decided to attend a YCCC meeting. I actually joined the club in advance of my first meeting with YCCC. What I found was a room full of really serious contest operators who seemed to be a group of good guys but were so involved in sharing their stories with each other that they completely ignored me. I felt absolutely out of my element. I didn't know any of the terminology I was hearing in various conversations. I didn't have a big station. I had never actually entered in a contest. It was an intimidating experience. I let my membership expire and didn't come back....until three or four years later.

I discovered contesting on my own. I discovered that I could easily work Europe with my R-5 vertical and that a good way to do that was to tune for DX stations in CQWW the ARRL DX contest. When I was tuning the band, looking for stations to work, I remember stopping and just listening to some of the local guys running station after station. K1AR, K1DG, K1EA, the team at KC1XX, and others. I didn't even know it was called "running" but I knew that I wanted to do this. These guys became my idols and I was determined to give YCCC another try.

I re-joined YCCC around 1994, determined to learn more about contesting. I made a few friends in the club who introduced me to others, but it took a long time for me to actually feel like I was welcome as a member of the team. The fact that I worked for a 50KW heritage AM/TV station probably gave me a bit of instant credibility, but it took me far too long to feel like I was part of the team. I had forgotten all of this until I heard that word, "intimidating" from our two new members following the June meeting.

We need to remember that new members can translate into new friends AND more points in our contest efforts as a club....if we treat them as members of the team from day-one. This means making new members feel welcome. Invite them to your table. Introduce them to everyone at the table. Make them feel comfortable asking "dumb" questions like, "what does running mean?"

I'll be the first to admit that I have forgotten my own roots. When I enter the room at a club meeting, whether it be at an El Dorado County ARC meeting, a MLDXCC meeting, or a NCCC meeting, I will often immediately lock eyes with a friend or two and start chatting, while looking right past someone who is clearly a face I don't recognize.

Think about it.

My mission this year, and our Board will certainly agree, is to build a team of KB'ers who respect each other, who want to have fun as a club, and who want to win contests. To achieve this, we need all of our members to do their part in one way or another, and that does not necessarily mean being active in every contest. To be a winning team, we need to make our new members feel at home and members of the team. We need to mentor them, offer our stations to them, and help them to build or improve their own stations. We will find that if we do this, our new members will continue attending meetings and will eventually start contributing contest points to our club.

It's like planting a seed, watering it, and watching it grow and yield fruit.

We have nearly 700 members on the books, of which less than half are active. I wonder just how many of those who are inactive attended a NCCC meeting, were intimidated in one way or another and never came back, never built or improved their stations, and never contributed a point to the club?

I was one of them when I first moved to New England. Think about it the next time you see a new face at one of our meetings.

Don't let the seed go un-watered. If you do, it will never grow and it will never bear fruit.

I want to thank Rusty, W6OAT, for organizing the All Asia CW effort. It was my first time in the contest and it had me wishing that the JARL actually had a club competition. I heard lots of KB'ers on the bands and I know this is one we could easily win as a club.

73 and KB,

Bob, W1RH

Northern California Contest Club Reflector—Guidelines

This reflector is devoted to the discussion of contesting.

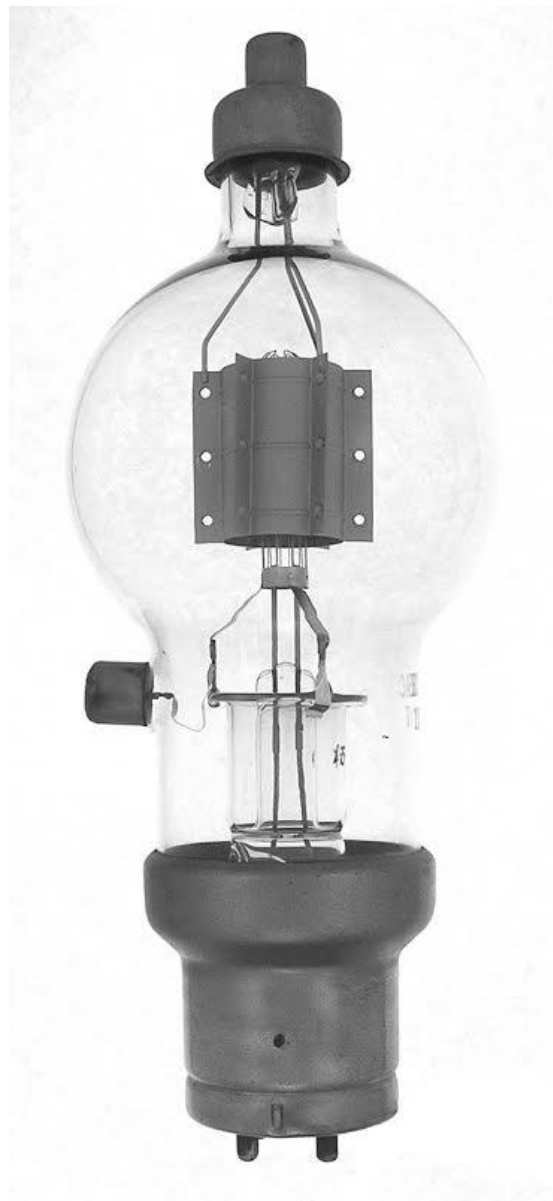
This includes contests, station building, dxpeditions, technical questions, contesting questions, amateur radio equipment wants/sales, score posting, amateur radio meetings/conventions, and membership achievements.

This does not include personal attacks, politics, or off-subject posts which will be considered a violation of the Guidelines.

Violations may result in removal of the violator from the reflector and possibly from club membership in good standing.

Tube of the Month—Norm Wilson N6JV

In 1934, RCA was found to be operating a monopoly by the government and was forced to sign a "consent agreement" that would allow others to build transmitting tubes. Bill Eitel and Jack McCullough had been building tubes for Heintz & Kaufman and decided to form a new company. The 150T was EIMAC's first product. They had estimated that it could safely handle 150 watts of dissipation, but in testing, the tube easily did 250 and would run red hot without damage. They set up a ham station at their factory and visitors could use the rig running the red hot tubes. Every DXer wanted one. In a short time the 150T was redesigned the 250T. If you were a big gun, you had a final with a pair of 250Ts in push pull. These tubes were popular well into the 1950s. About 1938 they were again renamed as the 250TH and 250TL.



Origin of the Solar Cycle

*Adapted from an article published by "Sierra Signals,"
newsletter of the Sierra Foothills ARC, Sep 2014*

As Cycle 24 winds down, and resisting the snark "Who could tell?" since it was fairly wimpy, it might make sense to take a look at the solar cycle from a new perspective. Predictions abound for Cycle 25 with the direst prophesying another extended minimum of the Maunder or Dalton variety. Those of us who remember 10 meters being open to everywhere, 24/7 in the halcyon days of Cycle 19 in the latter 50's/early 60's might do well to reflect on the downward trend in cycle strength since that peak, and to consider how, exactly, the solar cycle came to be so we could better guess where it will go.

It is not widely known ...well, in fact it is hardly known at all ... but we owe our existence – and that of the important solar cycle -- to fruitcake. Not kidding here, it's a phenomenon of astrophysics and who would argue with Carl Sagan (SK) or Neil DeGrasse-Tyson? It's a fascinating story of science, astrophysics, the forces of nature, and matter in its densest state.

You see, all the fruitcake in the entire universe was created at the Big Bang, along with a lot of hydrogen and some helium, which began to float up towards the top of the universe – think Goodyear or Hindenburg. The fruitcake, being the densest and thus heaviest thing in the universe, began to gather the floating hydrogen and helium around it into great clouds of ... well ... hydrogen, helium, and fruitcake ... you expected something else?

These clouds were rotating ever so slowly, mostly to the right since the new universe was right-handed as would be 90% of humans as soon as they came along. As the fruitcake pulled the hydrogen and helium inward making the cloud tighter, the rotation sped up just as a twirling figure skater will twirl faster if she draws in her arms more tightly.

Now, gravity operates on the inverse-square principle: For the non-mathematical, this means that if you make the distance of some hydrogen from the dense fruitcake half of what it was, the strength of the fruitcake gravity goes up by a factor of four, and this kept the clouds together as they rotated faster and faster and got smaller and smaller. Eventually, the hydrogen atoms got so dense around the fruitcake they decided that, if they're going to be this close, they might as well fuse together. When two hydrogen atoms decide to fuse together, they become one helium atom ... with a couple of spare parts left over..

The leftover parts are because the new helium atom weighs just a tiny bit less than the two hydrogen atoms did before they fused. The hydrogen and helium atoms didn't know why this was because it would be awhile before Albert could explain it to them, but those tiny spare parts showed up as a huge amount of energy, making the cloud very hot and it began to emit light and other stuff. These hot, bright clouds of hydrogen, helium, and fruitcake would later be called "stars" but at that time, they just called each other "Hot Bright Clouds."

As the hydrogen in the HBC's began to disappear into more and more helium, the helium atoms, now getting very close together, discovered that two of them could fuse together making one atom

of lithium – sort of atomic sex -- and this was the beginning of cell phone and laptop batteries, and of course Tesla's. And again, the lithium atom weighed just a little less than the two helium atoms resulting in? If you guessed more energy, you're sharper than people give you credit for! This fusion process goes on, two atoms fuse into a slightly lighter atom ... until the HBC's turned everything into iron – well most everything, there was still the fruitcake. Nothing fuses with fruitcake.

You see, if you have two iron atoms that want to fuse, they really can't because the product would be heavier than the two iron atoms meaning it would create negative energy which hadn't been invented then. With all the fusing over and all that dense fruitcake in the center, there wasn't much left for the HBC to do but collapse and then explode, blowing all those new atoms, and the fruitcake, into space. That was the first solar cycle.

Some of those new atoms were Aluminum [Chemical Symbol: Al], a great deal of which collected into vast galactic sheets which scientists call Reynolds Wrap [Chemical Symbol: Rw], and which turned out to have a strong affinity for fruitcake and began wrapping around all that Fc wandering around in space from the explosions. The process is similar to "Glad Press-and-Seal" which wraps around and sticks to everything in the kitchen, including you, except the bowl you want to cover. To this day, Fc is almost always associated with and covered by Rw.

With most of the Fc tied up with the Rw, one might think that there was nothing to make a new generation of HBC's but if you do, you'd be wrong. By now, the fruitcake was scattered all over the universe, which wasn't all that big yet, and with the help of those heavier atoms made in the first HBC's, it was able to gather in atoms, albeit at a slower rate, forming new HBC's, and this new generation did its fusing thing at a more leisurely pace. They also found that instead of one big explosion for one solar cycle, they could have small explosions followed by rest periods to catch their breath. And ultimately, this became the solar cycle we all know and love.

After awhile, DX was invented, and it became clear that the amount of DX around seemed to depend on the solar cycle. When the HBC was having it's little mini-explosions, the population of DX increased dramatically, and when the HBC was catching it's breath, the population of DX went way down. Now, just because two effects are correlated does not mean that one causes the other, however in this case it is really suspicious ... just sayin.

There are some things in the universe that you simply can't do, such as throw away angular momentum or mass-energy. We call these "Conservation Of (blank) Laws," and like angular momentum, fruitcake is conserved. You can't destroy it. You can give it away, you can even sell it if you can find someone who'll pay money for it, but you can't destroy it. Fortunately, it has many uses. For example, it makes an ideal doorstop, or, in its ubiquitous Rw, it can hold things down inside your freezer during gravity outages.

Technically, the SI unit of fruitcake is the "loaf [Lf]," but in most places, that is shortened to "brick [Bk]." The total amount of fruitcake in the universe is more or less the same everywhere since fruitcake is inert and it's been around since the Big Bang. Because of this uniform distribution, it is high-

ly likely that it will recycle. Try making a small, easily overlooked mark on the next brick of fruitcake you get with a Sharpie before giving it away. That very brick is likely to appear in your freezer or behind a door sometime later.

Many things in the universe have a half-life ... the amount of time that half of it will have disappeared or transmuted into something else. The half-life of a proton is said to be around 10^{30} years, although no one is that old, so I really don't believe that. Fortunately for all of us, the half-life of Disco and Leisure Suits was fairly short, and we still don't know the half-life of "Dancing With The Stars" or "Survivor." The half-life of fruitcake is forever.

73,

Fred K6DGW

Rocket Scientist [Ret.]

Chemical symbol: Fc

No one knows why

No one knows why

This of course is the source of the dictum: "Righty tighty, lefty loosey"

A technical term used by astrophysicists

And still hasn't been

Ice cream consumption and swimming pool drownings are highly correlated, yet no one in their right mind would suggest that eating ice cream makes kids drown ... so long as they wait an hour after eating of course. Steroid consumption and home run averages are also highly correlated, but in that case, the cause-effect factor is more than suspicious

NCCC Meeting

[Guests are always welcome at the NCCC! - Please join us.](#)

Saturday 29th August 2015

Location:-

Harry's Hofbrau, 390 Saratoga Avenue, San Jose, CA 95129

Time:

Lunch at 11:30am , Program commences at 12:30pm

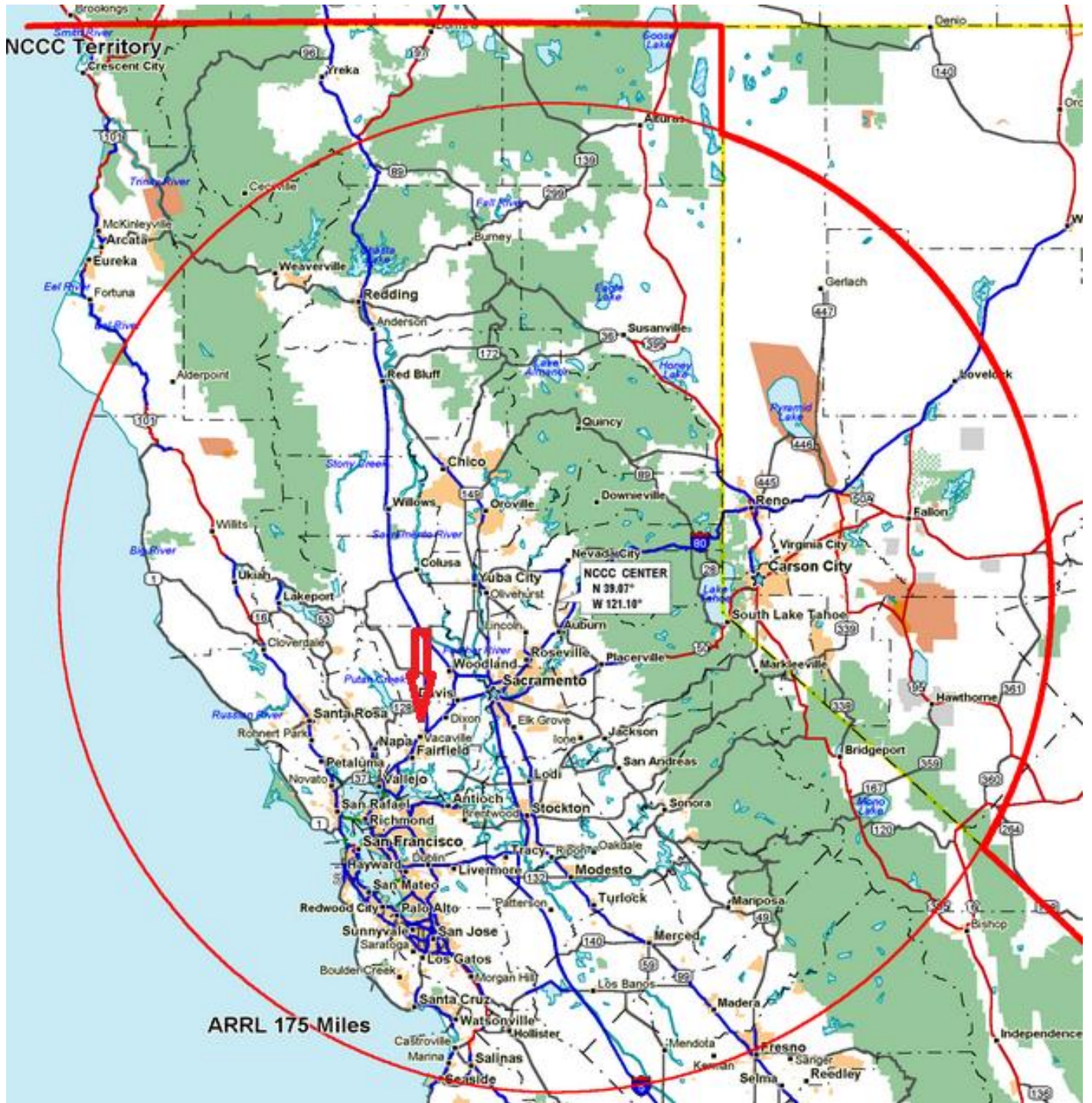
Program:

To Be Announced

NCCC Point Generator Profile

- Name/Call Sign: Jerry Olive, KD6WKY, Amateur Extra, Volunteer Examiner
- Past Call Signs: None, this is my original call sign issued as a Novice in about 1992.
- Location: According to the Solano County Tax Assessor I own 0.13 acres in Vacaville, CA
- Antenna System: I have a tightly configured grouping of multi-band antennas on the NE side of our house consisting of a Cushcraft MA5B 20m thru 10m two element beam/RDP at 35', Alpha Delta 40m/80m dipole stretching from the ash tree in the front yard to the fence in the back yard at 31', a GAP Titan DX Vertical mounted on a pole up 7' off the ground at the base, and a 2m/70cm J-Pole antenna used to work locally off the Mt. Vaca repeaters.
- Future: I'd like to improve the 80m SSB portion of the antennas for lower SWR. Not sure how I'm going to do that yet.
- In the Shack: Kenwood TS-450SAT w/filters, Ameritron AL-811 w/Svetlana 572B tubes, Winkeyer, other necessary components to get on the air. N3FJP contest software, DX Lab Suites daily use software. All rig controlled. I have a complete portable set up as well so I don't have to disassemble my base station for Field Day or CQP.
- Previously: The top of the dryer in the laundry room in our home in Bakersfield. Heath Kit HW-100, MFJ-1796 multi-band vertical antenna, and a straight key. I worked all states the first time from that workstation. J
- Career: State Farm Insurance Agent in Fairfield, CA, I insure about 1,800 households and have about 4,000 policies in force. Started in 1/2001 with 700 policies from part of a retired agency. I have four employees. Retired Field Artillery Officer, 23 years in the Navy/California Army National Guard. Highlights: Westpac Cruises, Firefighting 1987, LA Riots 1992, Reseda Earthquake 1993.





Family: Married 36 years to Cora (ageless) who I met in the Philippines when I was a Radioman in the US Navy on USS Racine LST-1191. Two kids, Joan Marie 28, BA Psychology, Social Worker for Yolo County, getting married in October and moving to Newport, RI w/her naval officer husband, Julie Anne 22, BA Communication Studies, just graduated w/honors, looking for a job! Both kids graduated in four years from CSUS with no student debt.

DXCC: I have worked 309 and confirmed 306 DXCC entities so far.

Favorite Contest: I look forward to the California QSO Party the most. I have worked the county expedition category from four different counties over the years, most recently from Yolo County (K6Y) the past few years. I block out the weekends of November Sweepstakes when I can. Going forward it looks pretty good for open weekends in November.

Tips: NCCC taught me to learn to use the equipment I have to the fullest before stepping up to more sophisticated gear. None of my gear was purchased new, all that money went to the kid's education and cars! Look for deals.

Help the Hobby: I facilitate an ARRL/VEC test session in my office semi-annually to help expand the radio amateur community in my area. I've done this for the past four years in June and December.

NCCC Changes: Collectively wrap the club arms around the idea that a smaller club is the new normal. Membership isn't going to be what it used to be so work with what we have and make new down-sized club goals based on real participation estimates. It's okay.

Other Hobbies: I'm a big baseball fan. I follow the Oakland Athletics and the Los Angeles Dodgers closely. I can be seen most evenings at Gold's Gym working out or at Akasha Yoga looking at you upside down from some barely achievable pose. Namaste!



June meeting highlights
Bob W1RH

For those who missed the June meeting, here's the highlights:

In the absence of a Treasurer, Dick, K6LRN and Carolyn, K6RKD, collected the money outside of the meeting room. Very much appreciated, you two!

We had a packed house and completely filled the meeting room at the El Taptio restaurant, in Pleasant Hill. Everyone I talked to seemed to agree that the food and service was good. Internet connectivity was great, which helped the WebEx. Bob (N6TV) and Scott (W6CT) had checked out a few restaurants in the East Bay, along with the internet connectivity at each, and this was one of them. Good choice, guys!

Big thanks goes out to Chris, KG6O, for his efforts to make this one of the largest WebEx sessions to date, with the best quality. Jim, K9YC, assisted in the setup. I saw, first hand, what it takes to do a WebEx session at a restaurant. It makes you really appreciate what Chris does.

We started the meeting with introductions. We passed a wireless stick mic around as introductions were done. I'm sure this helped the guys on the WebEx session to hear just who was there. Everyone was asked to give their name, location and list all of the clubs they belong to.

I mentioned that it's important to me to recognize the various clubs that our members belong to, whether they be contest clubs or local clubs. We need to work closely with, and have a mutual respect, for our sister contest clubs, and we need to recruit new contesters from the local clubs. Regarding the latter, I mentioned that the MLDXCC group has had much success with recruiting new contesters and I recognized some of those who were in the room.

All of the new Board members were present, except our acting Treasurer, Tom, K6EU, who did so much to make this meeting happen.. I said a few words about each. K6MM and N6DE, the two guys that I refer to as Board Mentors, were also present. I also recognized our volunteers. Phil, W6PK was pointed out as the admin of our reflectors. Ian, W6TCP got a great applause for his efforts with the last Jug. Likewise, Joanna, K6YL, for her efforts with the awards program. Chris, N6WM, recently resigned CQP Chair, was recognized for his work with CQP, and it was announced that Kevin, K6TD, has been appointed the new CQP Chair.

We then passed the mic around again, letting those present do a bit of bragging about their recent awards and achievements and also about projects they were working on.

We discussed the Reflector and reiterated that the Board wants it known that our reflector has a purpose and flaming or saying anything detrimental about one of our members is absolutely reason for losing Reflector rights and possibly membership in NCCC. N6IE came up with the term, "NO FLAME ZONE", as it refers to our Reflector.

The mic was then turned over to Russ, K6KLY, who said a few words about the upcoming VHF contest. Russ encouraged NCCC members to make a showing and passed out a pamphlets with the rules.

John, K6MM, presented a check in the amount of \$1500 to the club representing a part of the proceeds from the Visalia Contest University.

Dean, N6DE, gave a detailed talk on research he has done on member participation in the club. This was quite the eye opener. We have 649 members, yet less than half have participated in our contests. This is really an over simplification of what Dean said. Best to look at his slides once they are posted on the website and, perhaps, we can have Dean do an article for the Jug. Dean's research will really help our Board and our Contest Chairman determine our strategy to win major contests.

Steve, W1SRD, our VP and Contest Chairman, took Dean's research and discussed where we need to go, as a contest club, and we can't get there without getting that membership participation Dean discussed. Steve maintains that this club can easily win a contest like SS, but this year needs to be a year for us to regroup. Regroup means a two-year plan to get the Sweepstakes gavel: Recognizing our members who participate and mentoring and encouraging those who haven't been able to participate. "Big Guns", "Little Pistols" and "Focus Contests" are not terms that Steve wants to see us dwell on. Whether are members have big stations or small stations, we need to recognize them all if we're going to win the gavel. "Focus" might be better replaced with "Fun", when it comes to the contests we want to win. NCCC is going for a big win next January, however, and that will be the RTTY Round Up. More to come on that. Bottom line: We need to make contesting fun and work together as a team to win the big ones. Again, this is my take on what Steve had to say.

Our next speaker was Rusty, W6OAT, and he took the "fun" theme and ran with it. Years ago, NCCC tried and tried to win all of the categories (in CQ USA Zone 3) in the All Asia contest. Every year, it seemed, we would miss the goal by one category. This year, we're going to try again and use the tools we didn't have years ago: A website signup list, K6TU's real time scoring, the K6TU.net propagation studies, spotting, etc. Rusty is forming two teams within the Club to make this more fun. That's where the real time scoring comes in. In this contest, you can be a serious participant or just get on, make a few contacts, and have some fun. Whatever you decide to do, you will help the team you're assigned to. Do make some time to work those Asian stations and help Rusty to finally accomplish that goal of NCCC members winning every category in CQ USA Zone 3.

Last, but not least, Kevin, K6TD, gave a terrific talk on CQP's 50th anniversary, this year. There will be some rule changes and clarifications such as allowing county line operations and adding "assisted" to the single operator category. The log deadline will be shortened. Results will come out sooner. Special awards will be given. The CQP committee has reserved a number of 1x1 calls to make available to members. CQP participants who work the 1x1 calls spelling "GOLD RUSH" receive special awards. WK6I will continue his generous donation of Twisted Oak wine for major awards. There will also be a push to encourage more club competition within California. Much more to come, but this will be an exciting year.

Joanna, our Secretary, has the meeting attendees listed below.

Call	Name	Attended	Call	Name	Attended
K6DN	Verne Terwilliger	In Person	W1SRD	Steve Dyer	In Person
K6KLY	Russ Bentson	In Person	W4NJK	Charlie Mason	By WebEx
K6KNS	Dave Sanders	In Person	W4UAT	Larry Word	In Person
K6LRN	Dick Wilson	In Person	W6CT	Scott Lieberman	In Person
K6MM	John Miller	In Person	W6GJB	Glenn Brown	In Person
K6MR	Ken Beals	By WebEx	W6OAT	Rusty Epps	In Person
K6SRZ	Alan Eshleman	In Person	WB6JJJ	Bill Maurer	By WebEx
K6TD	Kevin Rowett	In Person	WC6H	Rich Cutler	In Person
K6TKD	Carolyn Wilson	In Person	WD6EIW	John Kozusko	In Person
K6TU	Stu Phillips	In Person	WK6I	Jeff Stai	In Person
K6YL	Joanna Dilley	In Person			
K9YC	Jim Brown	In Person			
KG6O	Chris Hoffman	In Person			
KI6OY	Lee Zalaznik	By WebEx			
KR6N	Bob Leclerc	In Person			
N1DID	Emily Clarke	In Person			
N6DE	Dean Wood	In Person			
N6DQ	Rick Huisman	By WebEx			
N6EE	Ron Lodewyck	By WebEx			
N6GQ	Jeff Kinzli	By WebEx			
N6IE	Ron Castro	In Person			
N6NG	Dennis Jacobson	In Person			
N6ORB	Dave Piersall	In Person			
N6PN	Matt Futterman	In Person			
N6RK	Rick Karlquist	In Person			
N6RO	Ken Keeler	In Person			
N6TV	Bob Wilson	By WebEx			
N6WM	Chris Tate	In Person			
N7MH	Mike Heideman	In Person			
ND2T	Tom Berson	In Person			
NS6T	Tom Epperly	In Person			
W1RH	Bob Hess	In Person			

The Mother Lode DX & Contest Club is proud to announce that we will have John Miller K6MM as our July meeting speaker.

The meeting will be held on July 25 2015 between 11:30 and 3:00 pm.

Location ... The Old Spaghetti Factory in Stockton March Ln & I-5

John has been active in amateur radio in since 1958. After relocating to California in 1976 and re-starting his interest in ham radio in the late 90's, He has focused on DXing, contesting and recruiting new operators into the hobby. John was a DXpedition operator at PJ7E Sint Maarten, K9W Wake Atoll and recently K1N Navassa Island. John is a past president and current member of NCCC, and a Director of the Northern California DX club and Northern California DX foundation. He was also general co- chair of the 2015 International DX Convention held in Visalia Ca. John will talk about his experience as an operator at the K1N station.

This will be an RSVP meeting, as the restaurant requires us to pre-order our lunches.

The menu selection for the meal will be limited to:

1. Chicken Caesar Salad: Chicken breast strips atop crisp romaine lettuce tossed with classic Caesar dressing, shredded Romano cheese, garlic herb croutons and Roma tomatoes. (\$15.00)
2. Italian Sausage with meat Sauce: Zesty sausage served with our from scratch Rich Meat Sauce over durum semolina spaghetti. (\$17.00)
3. Chicken Marsala: Seasoned breast of chicken with a fresh mushroom and Marsala wine sauce, served alongside spaghetti with Browned Butter & Mizithra Cheese. (\$17.00)
4. Spinach and Cheese Ravioli: Tender pillows of pasta stuffed with spinach and two kinds of cheese, topped with savory Marinara Sauce. (\$15.00)

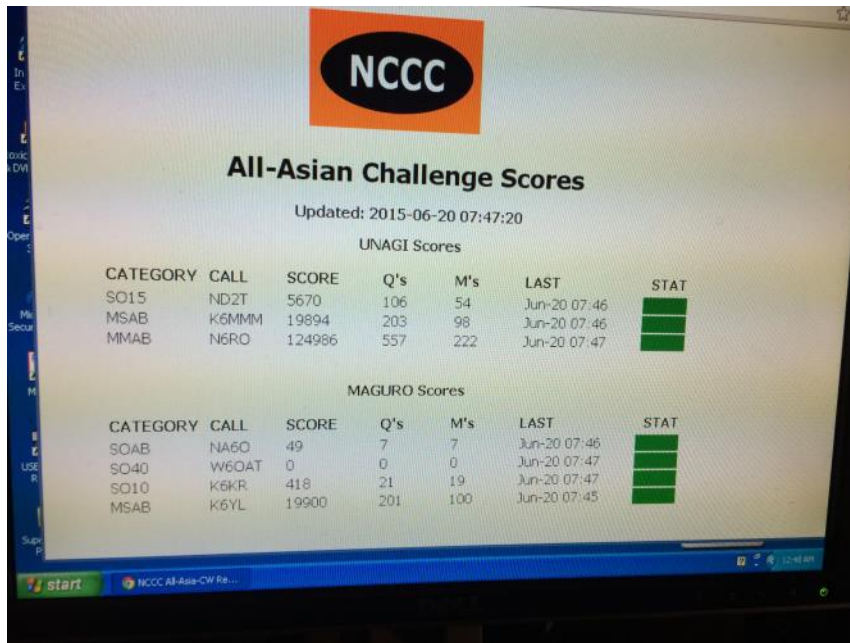
Coffee, Tea, and Water and a small dessert are included with the meal. Soda, Beer, Wine, etc may be individually ordered from the bar.

Vegetarians may order item 1 less the chicken.

If you plan to attend please send an email with your name, call, number of persons and menu selection to Bob KR6N at kr6n@comcast.net by July 17.

We welcome and encourage bringing guests.
We will collect funds and issue meal tickets at the event.

All Asian CW Contest—Joanna K6YL and Rick N6DQ



The screenshot shows the NCCC All-Asian Challenge Scores website. The NCCC logo is at the top. Below it, the title "All-Asian Challenge Scores" is displayed, followed by the update time "Updated: 2015-06-20 07:47:20". There are two tables: "UNAGI Scores" and "MAGURO Scores".

UNAGI Scores						
CATEGORY	CALL	SCORE	Q's	M's	LAST	STAT
SO15	ND2T	5670	106	54	Jun-20 07:46	█
MSAB	K6MMM	19894	203	98	Jun-20 07:46	█
MMAB	N6RO	124986	557	222	Jun-20 07:47	█

MAGURO Scores						
CATEGORY	CALL	SCORE	Q's	M's	LAST	STAT
SOAB	NA6O	49	7	7	Jun-20 07:46	█
SO40	W6OAT	0	0	0	Jun-20 07:47	█
SO10	K6KR	418	21	19	Jun-20 07:47	█
MSAB	K6YL	19900	201	100	Jun-20 07:45	█

Rick N6DQ and I loved the real time scoring used during All-Asian CW, thank you Stu K6TU! Here is a photo taken of the monitor Saturday 12:47am local time. If only we didn't have other commitments during the weekend that limited our BIC because we rather enjoyed our first multi-op in this contest (yes even Joanna K6YL made several q's!).

Here is Rick in the shack (Saturday 12:57am local time) where you can just make out the real time scoring on the far left of the 4 monitors. Icom IC-7850, Tokyo HyPower 2.5K, K4KIO hex beam 60 ft. San Carlos, CA.





Treasure, Dick K6LRN

I am absolutely thrilled to announce that Dick, K6LRN, has agreed to accept the position of NCCC Treasurer. The appointment has been ratified by the Board.

Dick is a long-time member of the Northern California Contest Club. He is currently Secretary of the Mother Lode DX/Contest Club, and is a life member of the El Dorado County Amateur Radio Club. Dick has also, in the past, been an active member of the Redwood Empire DX Association and still has close ties to this fine club. In the DX world, Dick is a long-time member of the Northern California DX Foundation and is the club's librarian.

Dick's wife, Carolyn, K6TKD, is the current Treasurer of the Mother Lode DX/Contest Club. If you attended the last NCCC meeting, you met Dick and Carolyn when you checked in and paid for your lunch.

Dick and Carolyn are both active contesters from their home in Omo Ranch, on top of a ridge in southern El Dorado County. They have entered contests independently and in the multi-single category. Most recently, Dick submitted a healthy single-operator-all-band score in the All Asia contest. Their mountain top location is also the home of one of the El Dorado County ARC's 2 meter voting receivers.

I have learned a lot about the inner workings of this club and have found that the position of Treasurer is a significant and very important position on the Board of Directors. I now very much appreciate the work of the previous Board in splitting the Secretary/Treasurer office into two separate Club officers. I have said this several times now, but I cannot overemphasize the dedication of Tom, K6EU, last year's Treasurer, who had agreed to occupy the position until we filled it. Several candidates phoned Tom, asking him what the duties involved and all came to the conclusion that the duties of Treasurer simply could not fit into their work and family schedules, as is the case now, with Tom. I want to thank all of those who responded to my request to consider taking on the Treasurer position.

The next time you chat or email with either Dick or Tom, please thank them for their dedication to the world's best contest club.

Bob
W1RH



Contest Calendar— July page 1

RAC Canada Day Contest	0000Z-2359Z, Jul 1
CWops Mini-CWT Test	1300Z-1400Z, Jul 1 and 1900Z-2000Z, Jul 1 and 0300Z-0400Z, Jul 2
NRAU 10m Activity Contest	1700Z-1800Z, Jul 2 (CW) and 1800Z-1900Z, Jul 2 (SSB) and 1900Z-2000Z, Jul 2 (FM) and 2000Z-2100Z, Jul 2 (Dig)
QRP Fox Hunt	0100Z-0230Z, Jul 3
NCCC RTTY Sprint	0145Z-0215Z, Jul 3
NCCC Sprint	0230Z-0300Z, Jul 3
Venezuelan Ind. Day Contest	0000Z, Jul 4 to 2359Z, Jul 5
FISTS Summer Slow Speed Sprint	0000Z-0400Z, Jul 4
DL-DX RTTY Contest	1100Z, Jul 4 to 1059Z, Jul 5
Marconi Memorial HF Contest	1400Z, Jul 4 to 1400Z, Jul 5
Original QRP Contest	1500Z, Jul 4 to 1500Z, Jul 5
PODXS 070 Club 40m Firecracker Sprint	2000Z, Jul 4 to 2000Z, Jul 5
WAB 144 MHz Low Power Phone	1000Z-1400Z, Jul 5
DARC 10-Meter Digital Contest	1100Z-1700Z, Jul 5
QRP ARCI Summer Homebrew Sprint	2000Z-2359Z, Jul 5



Contest Calendar— July page 2

RSGB 80m Club Championship, CW	1900Z-2030Z, Jul 6
ARS Spartan Sprint	0100Z-0300Z, Jul 7
CWops Mini-CWT Test	1300Z-1400Z, Jul 8 and 1900Z-2000Z, Jul 8 and 0300Z-0400Z, Jul 9
QRP Fox Hunt	0100Z-0230Z, Jul 10
NCCC RTTY Sprint	0145Z-0215Z, Jul 10
NCCC Sprint	0230Z-0300Z, Jul 10
FISTS Summer Sprint	0000Z-0400Z, Jul 11
IARU HF World Championship	1200Z, Jul 11 to 1200Z, Jul 12
SKCC Weekend Sprintathon	1200Z, Jul 11 to 2400Z, Jul 12
CQC Great Colorado Gold Rush	2000Z-2159Z, Jul 12
CWops Mini-CWT Test	1300Z-1400Z, Jul 15 and 1900Z-2000Z, Jul 15 and 0300Z-0400Z, Jul 16
RSGB 80m Club Championship, SSB	1900Z-2030Z, Jul 15
NAQCC CW Sprint	0030Z-0230Z, Jul 16
QRP Fox Hunt	0100Z-0230Z, Jul 17
NCCC RTTY Sprint	0145Z-0215Z, Jul 17
NCCC Sprint	0230Z-0300Z, Jul 17



Contest Calendar— July page 3

Trans-Tasman Low-Bands Challenge	0800Z-1400Z, Jul 18
DMC RTTY Contest	1200Z, Jul 18 to 1200Z, Jul 19
Feld Hell Sprint	1600Z-1759Z, Jul 18
CQ Worldwide VHF Contest	1800Z, Jul 18 to 2100Z, Jul 19
North American QSO Party, RTTY	1800Z, Jul 18 to 0559Z, Jul 19
RSGB Low Power Contest	0900Z-1200Z and 1300Z-1600Z, Jul 19
Run for the Bacon QRP Contest	0100Z-0300Z, Jul 20
SKCC Sprint	0000Z-0200Z, Jul 22
CWops Mini-CWT Test	1300Z-1400Z, Jul 22 and 1900Z-2000Z, Jul 22 and 0300Z-0400Z, Jul 23
RSGB 80m Club Championship, Data	1900Z-2030Z, Jul 23
QRP Fox Hunt	0100Z-0230Z, Jul 24
NCCC RTTY Sprint	0145Z-0215Z, Jul 24
NCCC Sprint	0230Z-0300Z, Jul 24
RSGB IOTA Contest	1200Z, Jul 25 to 1200Z, Jul 26
County Hunters CW Contest	1400Z-2400Z, Jul 25 and 1400Z-2400Z, Jul 26
ARS Flight of the Bumblebees	1700Z-2100Z, Jul 26
CWops Mini-CWT Test	1300Z-1400Z, Jul 29 and 1900Z-2000Z, Jul 29 and 0300Z-0400Z, Jul 30
QRP Fox Hunt	0100Z-0230Z, Jul 31
NCCC RTTY Sprint	0145Z-0215Z, Jul 31
NCCC Sprint Ladder	0230Z-0300Z, Jul 31

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery

KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 Dualband

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio



FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan

YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band



5 Ways to Shop!

- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBRIIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.

New Store!