

QSA-5

Founded 1933

The Marin Amateur Radio Society Monthly Newsletter

September 2011

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From our Prez.

Amateur radio is hobby that encompasses a wide variety of interests and activities. We each play in the activities we enjoy and understand but we are often unaware of other elements. I personally got interested in the hardware, repairing and modifying ARC-5s and TCSs, World War II vintage military radios. With a technician ticket, I got involved in VHF, UHF and repeaters. I drifted, pardon the pun, away from HF, and contesting.

Most of our club activities are centered around local public service events using our repeaters and UHF/VHF, Field Day being the only exception. The Marin Amateur Radio Society has an embarrassment of riches in our members and we are going to take advantage of them.

The California QSO Party will take place on October 1 starting at 1600 UTC (0900 PDT) through October 2 at 2200 UTC (1500 PDT). Contacts may be phone or CW, on 160, 80, 40, 20, 15, 10, 6, and 2 meters. If you want more contest information, including the rules check <http://www.cqp.org> This contest is structured in such a way that the rest of the world is trying to contact California. We will be the desirable DX contact! The club's goal in this contest is to give members who don't participate in contesting a chance to try it out with experienced contesters on hand to offer advice and guidance.

On Saturday October 1 from 1800 PDT to Saturday October 1 2359 PDT we will staff the club station at the Club House, and encourage you our members to work as many stations outside California

as possible. As with most contests each QSO (Contact) is very short. Only the QSO number and County are exchanged. We will of course provide the station, software for logging the QSOs, instruction, food, and belly wash. I am led to understand that we have the loan of a linear amplifier for the contest. I would like to encourage all of us who are not contesters to come on down for an interesting and fun evening. You don't need to bring anything, just show up who knows, you might get bitten by a new radio bug.

A few weeks ago there was a general cleanup at the clubhouse. Of course we want to encourage cleanup and there is still equipment that the club wants to get rid of. The board is currently working on a policy for disposal of donated equipment. I would expect an announcement for some kind of event like a flea market or an auction in the not too distant future. If you have a preference for flea market or auction format, or any other suggestions, please email me: wa6uds@arrl.net. However a couple of items that we had intended to use for club repeater projects also walked out the door. We would hope that these items would walk back in the door and no questions would be asked.

Curtis WA6UDS, President MARS

Origins of Hamspeak

<http://www.ac6v.com/73.htm#JR>

Here's the place to look for the origins of 73, 88 and a whole bunch more stuff you may have wondered about.

Some fact, some myth, some speculation.

MRHS at Pacificon See page 5

The organizers of Pacificon, the annual West Coast amateur radio event (October 14, 15, & 16, Marriott Santa Clara, Santa Clara, California), have generously invited the **Maritime Radio Historical Society (MRHS)** to participate this year. We look forward to being at this event and meeting folks who have followed our project as well as those who are unfamiliar with our activities.

Speaker for Oct. Meeting.

Bill Hillendahl, KH6GJV, our ARRL SF Region Manager says, "The program I have in mind is one on a brief overview of what ARRL does for members and Amateur Radio and answers to questions I have received from various sources."

Bill is an affable fellow who is not usually known to rush into the audience to pound on a heckler.

Guaranteed to keep you awake, too.

Last two meetings we attended the quality of the pizza had improved. Plenty of bellywash to flush it right on down.

New Technician license classes will begin on 9 October in the clubhouse at 27 Shell Rd., Mill Valley. Questions to Randy KA6BQF. See last page for addresses and phone numbers.

**General Membership Meeting
September 02, 2011**

The meeting was called to order at 19:30 hrs by President Curtis Ardourel. A round of introductions was the first order of business.

The agenda was adopted as presented. The minutes of the June 03, 2011 general membership meeting were approved as published in 'QSA-5'.

A report on actions at the July Board of Director's Meeting was made by President Curtis WA6UDS. The Board decided against adopting Waves to Wine as a sponsored event. Curtis also announced a donation of a surplus 6.5kW generator from the Marin Independent Journal.

Secretary Randy KA6BQF reported receipt of a letter requesting the donation of equipment, which will be considered at the next Board meeting, and an acknowledgment sent.

Treasurer Doug KF6AKU reported \$2,662.21 in income and \$1,151.13 in expenses. Combined bank balances were \$45,236.98.

Membership: Two new members were reported.

Recreation: The picnic is re-scheduled to September 25 at Miwok Meadows at China Camp State Park, 11:00 AM to?

Public Service: Randy reported that there were three public service events left on the schedule. He also thanked all the volunteers who participated this year.

The Technical Committee: Doug reported that there would be service after the public service events were completed. What?

Doug reported that the Comm Truck would be taken to ENG Engineering to have the tower evaluated.

Education: Randy reported that we would most likely resume in early October. Randy reported that the next VE session will be on November 19.

RACES: Jerry WA6BXV reported that Steve Reynolds, K6SDR replaced Grant Prichard as the Chief RACES Officer.

Building: Matt K6OHD reported that the plumber resolved the issue with the sewer line. Doug also commented on the plumbing problem. Matt and Doug were working on reorganizing the back room. John Boyd commented that some of the club equipment was no longer there. There was a discussion about things disappearing. Alan is cleaning out the metal shed which will be used to store Coll. Two.

building materials and paint.

Matt commented on signals interfering with the Sunday morning net.

Field Day: We plan to operate jointly with RedX again.

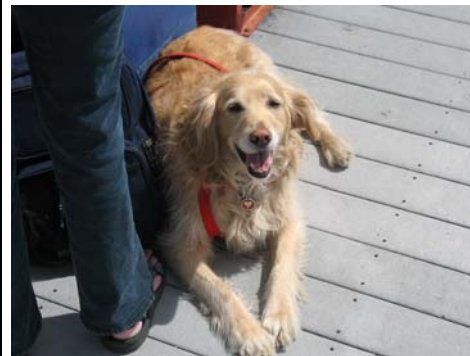
There being no further business, the meeting was adjourned at 19:49 hrs.

Our speaker was Dr. Alan Eshleman, a noted DXer and member of REDXA who showed us a slide show of this year's Field Day at Rod & Gun and a presentation on the Niue Dxpedition.

Respectfully submitted, Randy Jenkins, KA6BQF, Secretary.

The official copy of these minutes shall reside in the secretary's records on file at the corporate office.

Board of Director's Meeting Minutes on page seven.



Have no idea whose dog this is but it was friendly and we couldn't come up with anything better to fill this leftover space.

The cast off couch that formerly resided in the metal shed is gone, almost. Alan K6AJB has resorted to using catastrophic disassembly with various tools to reduce most of it to small enough pieces to fit in the garbage can. The wire support required a bolt cutter.

A slab or two of the foam, which was still in good condition, now works well to cushion body parts when working on brakes and doing oil changes in a concrete driveway. We're getting' too old for that. ed.

THE WAYBACK MACHINE
Issue #7 by William Continelli
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OK, as you can probably guess, with all the recent attention on the Vanity Call Sign System, not to mention the half dozen calls that I've held in the past 27 years, this edition of "The Wayback Machine" is going to focus on call signs in amateur radio history.

Prior to 1912, getting a call sign was easy, just make one up and get on the air. Legend has it that's how the word "ham" came to mean amateur radio-the letters H-A-M were in fact the initials of the three operators of a powerful station in the early 'teens. With the passage of the Radio Act of 1912, the first licenses were issued. Call signs at that time for "private stations" (amateurs) consisted of a number followed by two (later three) letters, i.e., 1AW, 1TS, 8XK etc. Other countries adopted this system. This was adequate in the early, spark days of amateur radio, but as the short-waves were developed, and CW became universal, problems appeared. Dave Sumner, Executive Vice President of the ARRL, and Trustee of NU1AW, the station of the International Amateur Radio Union, picks up the story...

"When transoceanic amateur communication started becoming commonplace in 1924, a problem immediately became apparent: call signs were all of the 'one numeral followed by two or three letters' format, with no built-in means of determining who was where. At first, an informal system of prefixes (called 'intermediates' at the time) was used by amateurs where 'a' stood for Australia, 'b' for Belgium, 'c' for Canada, 'f' for France, 'g' for Great Britain, 'j' for Japan, 'u' for United States, 'z' for New Zealand, etc. The single-letter system was fine until it became apparent that Amateur Radio was spreading to too many countries for this system to accommodate.

"In January 1927 QST, a new intermediate list was unveiled as the work of the Executive Committee of the International Amateur Radio Union. >>>>>

The new list took effect at 0000 GMT (UTC) February 1, 1927. It was a two-letter system with the first letter indicating the continent (E for Europe, A for Asia, N for North America, F for Africa, etc.) and the second letter indicating the country (mostly following the old system). Thus, stations in the 48 United States used the intermediate 'NU.'

"The new system was quickly overtaken by events. The regulations adopted by the Washington International Radiotelegraph Conference later the same year included the allocation of a series of 'call signals' such as K, N, and W for the United States, and mandated that stations have a call signal from the series. The Washington regulations were to become effective on January 1, 1929, but August 1928 QST noted that Canadian amateur calls had changed to VE in April and September 1928 QST announced the effective date of October 1, 1928, in the United States for the W prefix (K outside the 48 states). Thus, US amateurs sported voluntary NU prefixes for just 20 months before they became Ws.

"The founding president of the International Amateur Radio Union was, of course, Hiram Percy Maxim, 1AW, who remained in that office until his death in 1936. The call sign NU1AW commemorates HPM and the IARU's creative, if short-lived, solution to the problem of international identification of stations.

"As trustee of NU1AW it is my intention to use the call sign as a 'permanent special event station' operating in connection with World Telecommunication Day, significant IARU anniversaries, the IARU HF World Championship, and other events that will call attention to the contributions of the IARU to organized Amateur Radio."

(My thanks to K1ZZ for allowing me to reprint the above).

Thus, the call sign structure was set up for the rest of the '20's and the 1930's. Stations in the 48 States had a 1x2 or 1x3 call sign beginning with "W" and containing a numeral from 1 to 9. Stations in Alaska, Hawaii, or other US Possessions had a "K" prefix. Incidentally, note that I said 1 thru 9; this is because the numeral "0" WAS NOT available to amateurs at that time. As a result, the call sign districts had different boundaries than they do today; for example, the western sections of New York and Pennsylvania were in the 8th call district then, as opposed to the 2nd and 3rd today. Southern portions of New Jersey were part of the 3rd, rather than 2nd, call district.

When amateur radio resumed after World War II, the increased number of amateurs necessitated the addition of the tenth call district and the numeral "0". Except for the edrawing of the boundaries, things remained the same until 1951-53.

In 1951, the FCC eliminated the old Class A, Class B, and Class C licenses, and replaced them with the Novice, Technician, Conditional, General and Extra Class licenses. (What happened to the Advanced Class? "The Wayback Machine" will tell you in a future edition!) With this change came the first "distinctive" call signs. Novices, who at that time could only get a one year, non-renewable license, had a special 2x3 call sign with the letter "N" following the "W", i.e., WN2ODC, WN6ISQ etc. When they upgraded, the "N" would be dropped.

This system barely had a chance to settle in before the next change hit in 1953. Due to the increase in the number of amateurs, the FCC was running out of "W" 1x3 call signs. So 1x3 "K" calls began to appear in the 48 states, with the US possessions receiving 2x2 and 2x3 "K" calls, such as those issued today. Novice calls in the 48 states continued to have the distinctive "N" (such as KN4LIB) which disappeared upon upgrading.

Barely 5 years later, the growth of amateur radio, particularly in the 2nd and 6th call districts, caused another problem for the FCC, they were running out of "K" and "W" calls. So, in 1958, the FCC began issuing 2x3 "WA" calls, to be followed by "WB" when necessary. For some reason, Novices under this new system were given "WV" instead of "WN" as their prefix. The "V" would change to an "A" or "B" upon upgrading. (After only a few years of this, the FCC decided that their original idea was better, and went back to the Novice "N" prefix). With the uneven amateur population in the ten call districts, it took time for the "K" calls to run out in the other areas. As late as 1964, you could still get a "K" call in the 1st, 3rd or 7th call areas, while the 2nd and 6th districts were well into the "WB"s.

The 60's had some other call sign oddities. For a period of time, you could hold BOTH a Novice and Technician Class license simultaneously; the FCC gave you 2 call signs at once (such as WA/WN2ORS) and you used the appropriate call based on the amateur band and your privileges on it. The FCC also allowed you to have two calls if you maintained two homes in separate call areas; for example, Senator Barry Goldwater, K7UGA, also held K3UIG which he used while he was in Washington. (In theory, under this system, an amateur could hold four call signs if he/she had a Novice/Technician license and two separate addresses).

Except for the Novice and the distinctive "N", there was no way under this system to tell what class of license an amateur held. As older hams became Silent Keys and the number of available 1x2 calls slowly increased, the FCC instituted a program whereby those who held an Extra Class license for more than 25 years would be eligible for a 1x2. The length of time one needed to be an Extra was gradually reduced, until July 1977, when any Extra Class could apply for a 1x2.

Concludes in col. one, next page.

There was one block of call signs that were unavailable to ANY amateur, regardless of license class. These were calls in which the suffix began with "X", such as W1XW, W3XCV, WB6XXK etc.. The FCC reserved these calls for experimental stations; for example, W2XB, W2XOY, W1XMN and KE2XCC were originally call signs of early TV and FM broadcast stations. While the FCC has relaxed their position on the 1x2 and 1x3 "X" suffix calls, the 2x3 call signs (such as KA6XYZ) are still reserved for experimental use.

By the mid 70's the 2nd, 4th, 6th and 8th call areas had run out of "WB"s. For a period of time, the FCC recycled older "WA" and "WB" calls that had been vacated, but when those ran out, they went to "WD"s. ("WC"s were reserved for and being issued to RACES/Civil Defense stations.) Before the "WD" prefix could become popular, however, an incident occurred that would change the whole call sign structure.

In early 1977, an FCC employee was indicted for taking bribes offered by amateurs wanting special call signs. He was convicted and sent to jail. Partly as a result of this scandal, the FCC on February 23, 1978, adopted the call sign structure we have in place today. For 18 years, until the opening of the Vanity System, it had been impossible to request a specific individual or club call. Given the passionate love affair that some of us have with our calls, the FCC stands to make millions.

So, as you contemplate the call of your dreams, Form 610V in hand, take a moment to tune in NU1AW and work a piece of history. Meanwhile, "The Wayback Machine" is preparing for it's next journey to another moment in amateur radio history. I hope you're on board.

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DB? Nope.

That infamous plane hijacker was known as D.B.Cooper only in the public mind. The name he flew under was Dan Cooper and that's the name the FBI used to hunt for him. All it took was one dummy to confuse two names, print the wrong one, and BS was unleashed to last forever.

A three-year-old regularly watched football games with his father. So much so, that he knew some of the signals the referee makes.

On a recent Sunday, the three-year-old attended church with the family. As the pastor raised his hands high to offer a blessing, the child interrupted the service by shouting, "Touchdown!"

Oh Oh...Oh...O'Reilly. Odd ol' parts.

Here's an odd old part with a dual purpose. Its primary use was as an automotive fuel pump. What was its secondary job and why?



Mosley TA-33 tri-band beam.

In the off chance that there're a few hams who haven't heard of EHAM, here's the address: <http://www.eham.net/reviews/>

This is the place to go to read what other hams have to say about a particular piece of gear, whether it's a good buy or possibly a P. O. S. to avoid.

The news from Eric KG6WOU

Who could freeze his ass off in Colorado this coming winter.

Last month I was ambushed by the XYL who informed me that she wanted to rent out our CA house and spend a full year here in Colorado. So, a few weeks ago we made a hurried trip back to Marin to move our personal effects out of the house and prepare it for our tenants. So, for the next year or so, I'll be here at the Colorado QTH. I'm a regular on WARFA and try to make the RACES 40 meter net, and am almost always available right after the 40 meter portion cause 10 is not open very often, but it has happened.

That's the news.

73

KG6WOU

Reading Eric's note reminded me of something he sent a few years back which got buried on the D: drive.



This assembly, using a Power Pole connector, was Eric's idea for changing the length/band of a wire antenna. A center-fed / dipole would use two. Don't know if he ever tried it. ed.



PRESENTATION (Saturday at 1100 in Salon B) - Richard Dillman, president of the MRHS and Chief Operator of stations KSM and K6KPH, will give a slide show and talk about the history of the stations we have restored to operation. The photo-rich presentation will present the story from the time of "Bolinah high power" operated by the American Marconi Company in 1914 to current day operations. Questions are encouraged! Not to be missed.

DEMONSTRATION (Main Hallway, Saturday 8am to 5pm, Sunday 8am to 12pm) - Members of the MRHS Transmitter and Operations Departments will operate stations KSM and K6KPH from Pacificon. Using a control console built by Transmitter Supervisor Steve Hawes we will remotely key the original KPH transmitters in Bolinas.

We plan to have coast station KSM operational on MF (426kc and 500kc) as well as HF (probably 12993kc) using Morse code. The power level on all frequencies will be about 5kW. Watch will be kept on 500kc and ITU channel 3 in the HF band being used for calls from ships. The "wheel" and KSM traffic list will be sent (see below).

Holders of a commercial radiotelegraph license of any class will have the opportunity to key KSM and have their licenses endorsed to that effect.

Amateur station K6KPH will also be operated by remote control, keying KPH transmitters in Bolinas shifted to amateur frequencies and throttled back to 1.5kW. Anyone with the ability to use Morse code may operate K6KPH, no license required. K6KPH will use a single frequency at a time, probably 14050kc. However we will have the capability to shift to other transmitters as well.

The transmitting antennas for KSM and K6KPH HF may be H over 2 or double extended Zepps, depending on frequency. The MF transmitting antenna will be a Marconi T.

Receiving for KSM and K6KPH will be done at Pacificon using a roof-top dipole for HF (commercial and amateur) and a shielded loop for MF. The receivers are anticipated to include a RCA AR-88LF, Marconi Atlanta and HRO-5T. Other receivers may be used as well.

We hope to have auxiliary equipment in operation including a Boehme paper tape keying head (to send the "wheel" and traffic list for KSM), a Kleinschmidt paper tape perforator, one or two "mills" (radio typewriters) and of course a station clock marked with the silent periods.

There will also be a photo display showing the history of the stations.

MRHS members will be on hand to answer questions and demonstrate equipment. Please stop by and say howdy!

Details about Pacificon may be found here: <http://www.pacificon.org/>

VY 73, RD

PS: If you would like to receive information like this directly just send an email to radiomarine-subscribe@yahoogroups.com and you'll be added to our email list.

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Richard Dillman, WPE2VT, Chief Operator, Coast Station KSM
Maritime Radio Historical Society, <http://www.radiomarine.org>
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Hi All !!

Our September 10, 2011 Dedicated Day of Operation (DDO) kicked off this last Saturday at 1045 hours aboard the USS Pampanito, SS-383. Aboard the boat for the DDO were our XO, Jerry Foster, WA6BXV; Bill Stewart, KF6RMK, Guest RO Peter McElmury, KI6NYQ and your CO. Michael, K6MLF, came aboard the boat too, but we missed him while we were all at lunch.

While your CO worked on QSL cards from the recent Museum Ships Special Event in the crew's mess, Jerry and Bill worked with Peter, KI6NYQ, getting him up to speed on our HF operations at NJ6VT. Saturday's radio ops were mainly on the 20 and 17 meter bands and half a dozen QSO's were made stateside, several being made by Peter. Thanks to Peter for a job well done!

Thanks to Michael, K6MLF, and some bolt cutters, we now have a new lock (with keys!) for the Display Case in the Watch Shack. I took out the old QSL cards and replaced them with our 2009 and 2010 Museum Ships Special Event Certificates. Also included is a special "Communicators of the Deep" certificate issued to NJ6VT from the USS Hornet, NB6GC along with several QSL cards from various museum ships that we recently worked. Now that we have access to the Display Case again, we will be able to keep the QSL display current. Our next scheduled DDO is set for Saturday, October 8, 2011. Fleet Week also takes place about that time, so if need be we can re-schedule our DDO to another date to avoid all the traffic mess that normally takes place during the Fleet Week event. Please consider participating in the DDO event and keep NJ6VT on the air! Thanks again to Peter McElmury, KI6NYQ, for helping the club out with our September DDO!

73,

Den Regan, K6ZJU CO, Pampanito A.R.C. NJ6VT
USS Pampanito, SS-383

Pier 45, Shed A, Fisherman's Wharf, San Francisco

cc: Aaron Washington, Ship's Manager

Diane Cooper, Museum Curator

Denice Stoops, KI6BBR, RO, KXCH, Jeremiah O'Brien

William McCollum, RO, USS Pampanito, NJVT, WW - II

Guest RO's



Board of Director's Meeting Minutes

Thursday, September 8, 2011

Members present: Jerry WA6BXV, John KE6ORI, Rita KG6WPN, Rich W6UDS, Marilyn N6VAW, August K0CQL and Randy KA6BQF. Phil K6PHD was also in attendance. Curtis WA6UDS and Doug KF6AKU arrived while the meeting was in progress.

The meeting was called to order at 19:33 hrs by Vice-President Jerry Foster.

The meeting proceeded in accordance with the previous meeting's agenda.

The minutes of the August 11 meeting were approved as published.

Communications: Secretary Randy reported on a letter received and a response sent. The subject of the letter was discussed as new business.

Committee reports:

Membership- Phil Dunlap reported that we still have around 100 members.

Recreation- Marilyn Bagshaw reported that the picnic was set to be at Miwok Meadows at China Camp State Park on Sunday, September 25. Setting up an HF station was discussed

President Curtis assumed the chair of the meeting.

The agenda was approved as amended.

Field Day Committee – Rich W6UDS reported that he will contact Rod and Gun Club about using their site for next year's FD.

VE Liaison – Randy reported that the next session was Saturday, November 19.

RACES – Jerry reported that Steve Reynolds is the new RACES officer and Peter Otis is Deputy. RACES is trying for a grant for FSTV on Air 1.

Building Manager – Rich reported that Matt K6OHD has contacted a contractor about the deck repairs. There was a \$360.00 expense for a plumbing problem.

Education: Randy and Dave will start a Technician class October 09.

Speakers – October – Bill Hillendahl, KG6HZG from ARRL. November, Test Equipment.

California QSO Party – Rich reported that we needed a list of operators and proposed operation hours.

Treasurer's Report: Doug Slusher reported \$2,662.21 income and \$1,151.13 expenses for August. Bank balances of \$10,056.90 in the Building Account, and \$36,180.08 in the General Account were reported.

Technical: Doug reported that the Big Rock project will be tackled after the public service events were over.

Comm Truck-Parked out front.

Old Business:

The proscriptive easement sign – no progress.

Apartment Repairs – Deck next.

Advertising in QSA-5 – No Progress

Personal property – Back room clean-up started.

Tree Letter – It was reported that the neighbor plans to remove the trees.

Donation Policy: Doug Slusher reported that equipment is being inventoried. There might be surplus equipment to dispose of at Pacificon. Doug is working on a second part of the policy, regarding disposition of surplus equipment. John Boyd commented on equipment that had been removed.

Ham-of the Year: A committee of past recipients will make a recommendation

New Business:

A nominating committee was appointed: Doug Slusher, August Koehler, and Rich Carbine.

Christmas Dinner- Need chairman.

Old Generator: A motion was made to donate the old generator to EBARC UDS/ORI Pass

A letter from Jeremy Leary requesting a radio was reported. Jerry Foster will contact Jeremy's mentor and report back.

There being no further business, the meeting was adjourned at 20:53 hours.

Respectfully submitted,

Randy Jenkins, KA6BQF

Secretary, Marin Amateur Radio Society

General Membership Meeting is held on the first Friday of each month at Alto District Clubhouse at 27 Shell Road in Mill Valley, starting at 7:30 PM. Come a little early for pizza or whatever. From hwy 101, head west toward Mill Valley on E. Blithedale. Turn right at the first stop light a block off the highway. Angle right at next stop sign, then turn left at next corner, Shell Road. We are in a two story building, second from the corner on the left directly under the power lines.

Business/Board Meeting meets at the Alto District Clubhouse in Mill Valley on the second Thursday at 7:30 PM. Members are encouraged to attend and try to keep the clowns honest.

Sunday morning informal meeting, grinningly called the bible/babble class, meets every Sunday morning at the Alto District Clubhouse in Mill Valley starting at roughly 0800 hours and runs to around 1100 hours +or-. Sometimes we even talk about radio.

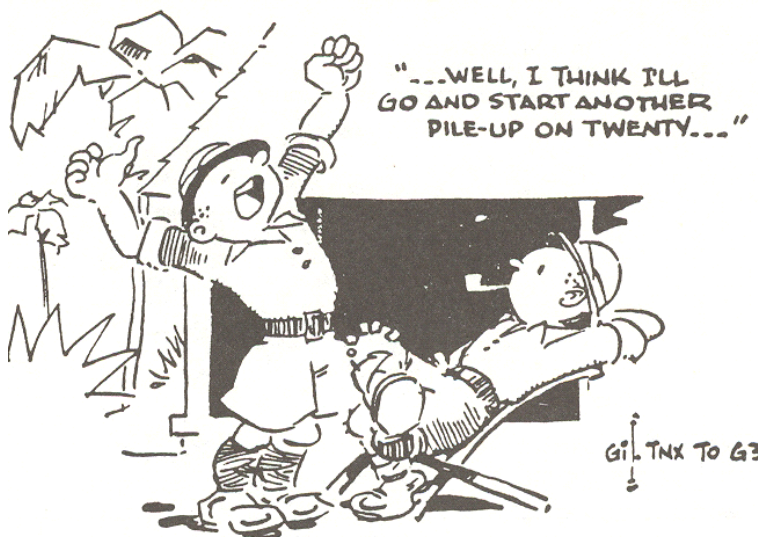
The Sunday Emergency nets. Come on down and watch Matt K6OHD do the nets. You could try it yourself, while Matt stands by, and get rid of any mike fright you might have. If at any time you feel a panic attack coming on, Matt will get you thru it.

<p>Marin Amateur Radio Society President: Curtis Ardourel WA6UDS 510-595-3494 Vice President: Jerry Foster WA6BXV 892-3829 Secretary: Randy Jenkins KA6BQF Treasurer: Doug Slusher KF6AKU Additional Board Members: Marilyn Bagshaw N6VAW 479-3704 John Boyd KE6ORI 924-4419 Rita Brenden KG6WPN 707-557-5521 Rich Carbine W6UDS 479-3136 Horst Dannecker KA6BHZ 459-6163 Matt Schallock K6OHD 531-2676</p>	<p>Education Chair: Randy? 491-0318 VE Liaison: Randy Jenkins KA6BQF 510-526-4089 Building Co-Managers Matt Schallock K6OHD 531-2676 Rich Carbine W6UDS 479-3136 Trustee for W6SG: Augie Koehler KØCQL Trustee for K6GWE: Doug Slusher KF6AKU Sunday Emergency Nets: Matt Schallock K6OHD Assistant to the Treasurer: Dave Hodgson KG6TCJ 332-1864</p>	<p>DX Representative of ARRL: Jerry Foster WA6BXV 892-3829 WEBMASTER Glenn Meader N1ZKW 987-3948 N1ZKW@ARRL.NET Public Service Event Coordinator Randy Jenkins KA6BQF 510-526-4089 ARRL San Francisco Section Mgr. Bill Hillendahl KH6GJV@ARRL.ORG Editor of QSA-5 and Procurer of The Bellywash Phil Dunlap K6PHD 491-0318 K6PHD@ARRL.NET Membership: Phil Dunlap K6PHD</p>
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Marin Amateur Radio Club, Inc.
P. O. Box 6423
San Rafael, CA 94903

Dues structure is: \$25. per year. \$30. for family memberships. No dues are charged for Life or Honorary members.

Stamp



The Mailing
 Address
 Goes Here