

# QSA-5

Founded 1933

The Marin Amateur Radio Society Monthly Newsletter

November 2011

Page 1



Matt Schallock who put the whole Xmas party together.



Our Prez.



Turkey, ham, prime rib and everything to go with it by Josh.



Pull my finger?



## Board of Director's Meeting Minutes Thursday, November 10, 2011

Members present: Curtis Ardourel, Jerry Foster, Matt Schallock, Rita Brenden, Rich Carbine, Marilyn Bagshaw, August Koehler, Doug Slusher, John Boyd, and Randy Jenkins. Phil Dunlap and Dick Sadler were also in attendance.

The meeting was called to order at 19:30 hrs by President Curtis .

The agenda was approved as amended.

The minutes of the October 13 meeting were approved as published.

Communications: Received mail consisted of a check from the Dolphin Club. The check received last month from the MS Society was returned with a letter.

Treasurer: Doug presented the monthly report. Balances were \$38,254.25 in the general fund, and \$10,056.90 in the building grant fund. Total cash assets \$48,400.35. Doug reported that the DSL service for the building was renewed. The issue of a credit card for the building manager was discussed.

Committee reports:

Membership- Phil reported that we still have around 115 members. No new members were reported.

Recreation-. Matt Schallock reported that the Holiday Hamfeast was set for Sunday, December 04 at 3:00 PM. Josh will be cooking again. Cost was set at \$25.00 per person. Announcements will be sent out. The allocated budget will be advanced to Matt for expenses. Receipts will be submitted.

Technical: Doug reported that the repeaters were still running.

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

RACES – Jerry Foster reported on a drill in Novato.

Next page, column one.

Building Manager – Matt reported that a bid will be coming for the work on the deck drainage and rear wall.

Education: Randy reported that the Technician class would conclude Sunday. We have two students.

Speakers – December, Christmas Party. Rich suggested that a future speaker might be Eric Schwarz who owns Elecraft Radio, if arrangements can be made.

Old Business:

Apartment Repairs – Done.

Personal property – Discussed.

Projection screen – Dick Fay donated one.

Donation Policy: Doug is still working on Phase II.

Ham-of the Year: Doug has the names of former honorees to contact.

QRZ and ARRL listings – QRZ updated by Phil. ARRL updated by Randy.

Nominating committee: Candidates John KE6OIR, Curtis WA6UDS, Phil K6PHD, Dave KG6TCJ.

HF Rig Issues: Rich discussed a couple of options (Kenwood 450D or Kenwood 590S) and will make a further recommendation. Budget should be \$1,500.00 to \$2,000.00

Website – On hold until January

Building Manager Funds: After extensive discussion, a motion was made “to advance the Building Manager \$500.00 as an allowance toward necessary building repairs, with receipts to be submitted for repairs.” ORI/AKU Pass.

There being no further business, the meeting was adjourned at 20:30 hours.

Respectfully submitted,

Randy Jenkins, KA6BQF

Secretary, Marin Amateur Radio Society

The official copy of these minutes shall reside in the Secretary’s files as maintained at the Corporate Office.

## THE WAYBACK MACHINE

Issue #9 by William Continelli

Printed with permission.

If Arthur Miller, Tennessee Williams, or Eugene O'Neill had been amateur radio operators, one of them certainly would have written a play about the VHF frequency allocation battle of the mid 1940's. For, except for sex, this event had all the elements of great drama--Power, Passion, Politics, Greed, and sudden twists and turns in the plot were the hallmark of this epic battle. It hastened the destruction of probably the greatest man in the history of radio, solidified the stranglehold of another in his quest for total television domination, doomed a viable alternative in the infant television industry, and gave birth to the predecessor of CB radio. Got your attention? Then let's open our Playbills and read the

### CAST OF CHARACTERS

### THE ARRL AND THE 50,000 AMATEUR RADIO OPERATORS--

Prior to World War II, hams were virtually the only major users of the "UHF" spectrum (as the frequencies above 25 Mc were then known). They had the use of the 10 meter band (28-30 Mc) and 5 meters (56-60 Mc) since the late 1920's, as well as a small slice of spectrum at 400 Mc. In the late 1930's, the FCC had allocated two new bands to amateurs--2 1/2 meters (112-116 Mc) and 1 1/4 meters (224-230 Mc). Except for 10 meters, most of the operations on these frequencies were done with very simple equipment. Modulated oscillators and superregenerative receivers were the mainstay of their activities. For those not familiar with this type of equipment, a modulated oscillator was a tube coupled to a tuned circuit directly on the desired frequency which was modulated by another tube. Since crystal control and frequency multiplication were not used, the resulting signal varied in both frequency and amplitude when the oscillator was modulated.

The only way to receive such an unstable signal was with a superregenerative receiver. Invented by Major Edwin Armstrong in the early 20's, the "supergenny" was extremely sensitive,

but very broadbanded. It gave off a loud "rushing" noise (like an FM receiver unscquelched). A complete 'phone station of this type could be built with only 3 tubes--an important consideration for the Depression era hams.

Except for limited operation on the 112-116 Mc band in World War II under WERS (War Emergency Radio Service), amateur stations had been silent since December 7, 1941. Now, late in 1944, with the end of the war in sight and new VHF/UHF tubes in production for the War effort, the ARRL was making plans for more bands above 25 Mc.

### MAJOR EDWIN H ARMSTRONG--

The unquestioned "Father of Modern Radio", Major Armstrong had experienced several setbacks in the 1920's and 30's, partly because of his secretive nature and uncompromising attitude. He had delayed in obtaining his original patent on the regenerative detector, and when he did finally apply, he omitted the oscillating properties of the circuit. Lee De Forest challenged Armstrong on this invention by submitting a circuit of his own that he claimed he developed in mid-1912. Armstrong initially won, based on the fact that De Forest's design was basically uncontrolled feedback. When, however, Armstrong flaunted his court victory (by flying a flag with his patent number on it where De Forest could see it), and when Armstrong refused to grant De Forest a license to manufacture regenerative receivers, De Forest went back to court--and this time won. In two separate cases, the Supreme Court ruled that De Forest, not Armstrong, was the inventor of regeneration. This was bad enough, but then Armstrong lost another court battle. Although he had invented the superheterodyne receiver while in France in 1918, it was based partly on a crude, barely functional converter designed by a Frenchman. Despite the obvious superiority of Armstrong's design, the courts ruled against him again.

Desperate for a success to reverse these setbacks, Armstrong turned to the idea of **FM**. Next page column one

At that time, the late 1920's, the concept of FM was known, but it was widely believed that it was impractical, if not impossible. Armstrong, however, proved them wrong, and by 1933-34 had developed an operational, noise free, wideband FM system. He offered it to RCA, which had the first right of refusal. RCA, for reasons we will see in a moment, declined to fully develop FM, and Armstrong turned to GE. In Schenectady, NY, he found an ally in W.R.G. Baker, a GE Vice President, who saw the potential in FM. With GE's help, he continued to develop FM, got the FCC to allocate a slice of the VHF spectrum for FM broadcasting (42-50 Mc), and set up his first FM broadcasting station--W2XMN in Alpine, NJ. With two other pioneer FM stations, W1XPW in Meriden, CT, and W2XOY in Schenectady coming on the air in 1939-1940, the new Yankee Network was up and running. Armstrong was convinced that, once the war ended, FM would completely replace AM as the broadcasting standard, and he wanted a large chunk of VHF frequencies to accommodate it.

#### **BRIGADIER GENERAL DAVID SARNOFF AND RCA--**

For the first forty five years of it's corporate life, RCA WAS Sarnoff and vice versa. From his humble beginnings as a telegraph boy and the wireless operator who copied the "Olympic" wireless signals about the doomed "Titanic", he had risen quickly in the Marconi organization, and was with RCA from the start. Sarnoff had watched the progress of his old friend Armstrong as he developed FM. However, he had other plans for RCA. Sarnoff was convinced that television was the future and radio was the past. Throughout the 1930's, he had poured millions of RCA's dollars into an all electronic television system, to replace the crude mechanical "spinning disk" sets that were in the experimental stage. By the late 1930's, he had a viable, all electronic system ready to go.

On April 20, 1939, at the New York World's Fair, Sarnoff introduced commercial television to the world, using the slices of VHF spectrum that the FCC had set aside for experimental television.

Sarnoff's interest in the VHF frequencies extended beyond obtaining large allocations for television; he also wanted to minimize the frequencies available for FM broadcast. To him, radio was simply radio, an old technology made obsolete by television. He also realized that the public had a limited amount of disposable income available, and he wanted every spare dollar to be spent on TV sets, not FM radios. Sarnoff saw FM broadcasting as a serious threat to his beloved child, and he wasn't going to allow FM to gobble precious VHF frequencies that he felt rightfully belonged to television.

#### **WILLIAM PALEY AND CBS--**

Although only a supporting player in this drama, William Paley and his CBS Network almost changed the course of TV history, and, at one point, had both the FCC and the Supreme Court on their side. Paley, through the genius of Peter Goldmark, one of CBS' top engineers, had developed a working color television system with brilliant, lifelike colors more than a decade before RCA's color system was remotely viable. In 1940, as CBS was looking for a way to get past Sarnoff and RCA's stranglehold of patents on their all electronic black and white system, Peter Goldmark came up with the solution. Going back to the 1920's and the mechanical spinning disk, Goldmark developed a hybrid electronic-mechanical system. Using the spinning disk (which CBS now called the color wheel) with red, blue and green filters, he scanned it with an electron beam. On the receiving end, a similar "color wheel" synchronized to spin at the same speed detected the color signal. On August 28 and September 4, 1940, CBS gave demonstrations of their color TV system to the FCC. The FCC was very impressed with the vivid,

sharp clarity of the colors they saw on the screen. By contrast, RCA's color system was an embarrassing flop.

In addition to wanting television to start off directly with color, Goldmark was also convinced that the postwar TV frequency allocations should be on UHF, not VHF. In fact, CBS was so sure that their UHF color system would become the industry standard, that they had no plans to apply for any VHF TV license.

And so, the players in this drama wait in the wings for their cue to come out on the stage. How will they react to the FCC's first VHF allocations proposal, issued in late 1944? Who will live past ACT I? Who will make it to the final curtain call? "The Wayback Machine", with front row seats, will have the answers.

All material  
Copyright © William Continelli

#### **Some Humor**

An interesting letter in the Canadian Shooter Magazine:

"If you consider there has been an average of 160,000 troops in the Iraq Theater of operations during the past 22 months and a total of 2,112 deaths, you arrive at a firearm death rate of 60 per 100,000 soldiers.

The firearm death rate in Washington, DC is 80.6 per 100,000 for the same period. That means you are about 25 per cent more likely to be shot and killed in the US capital, which has some of the strictest gun control laws in the U.S., than you are in Iraq."

Conclusion: The U.S. should pull out of Washington.

No further info on this one.  
Not dated.

This was 'Noodle' who came to a bad end 11/4. We'd arrived home just as a large coyote with a cat in its mouth was passing under the streetlight. Surprised, it dropped the not quite dead cat and ran.

Coyotes are very quick and snap the neck to immobilize their prey. If one spots a cat or small dog close inside an open doorway or on a deck or porch, there's a good chance it'll go for it. Happened in Rossmoor but the double-glass sliding door was closed and the coyote knocked itself wobbly.

Noodle was a former feral cat but was found to be adoptable. It was ID chipped, neutered, got its shots and lived a few houses up the street where it was nabbed. So 'Smarter-Than-Wiley' Coyote lost this one. Didn't want to give up at first and circled the block to a point a couple hundred feet up the street. Also didn't like a half dozen people standing around and putting the beam of a multi-cell flashlight on it and a guy on a bicycle riding up the street so finally left.

The Humane Soc. picked up the cat—it had timed out by then—after reading the microchip.

On 11/18, there was a notice for another missing cat on a pole at the end of the street. No doubt it's still missing.

Keep your cat inside, and definitely out of your front yard, day and night. This goes for your back yard, too, if your cat can climb your fence or Wiley can get in.



ARRL sanctioned Palm Springs Hamfest!

January 28, 2012 opens 9:30-16:30  
--Entry fee only \$2

Over 25 Commercial Vendors such as HRO, CQ Magazine and Manufacturers like Alinco; Elecraft. Swap Meet, Consignment sales. Bring your surplus gear and we'll sell it off for you. Raffles all day long

Food Concession; various how to demos. No charge for Vendor or Swap Meet space.

We have a few commercial spaces and lots of swap meet space still available. Book early!

--setup time for Swap Meet sellers 7-9 AM

Special Events Station 7.251 & 14.251 or digital check

<http://www.dxsummit.fi/> to spot us  
Presented by the Desert RATS Club of Palm Springs

\*\*see our Forum at <http://desertrats.am/> for up to date information  
Ratpeater Talkin 146.940- PL 107.2 in Palm Springs

or 146.520 (convoy frequency)

Convoy of RV's from Quartzfest on January 27th headed by Gordon West!

Last year over 700 happy Hams rendezvous at Palm Springs Hamfest hope to see you on January 28, 2012  
Hours from 9:30AM to 4:30PM  
for more information go to our website <http://desertrats.am>

email: [PalmSprings.hamfest@gmail.com](mailto:PalmSprings.hamfest@gmail.com)

4193 Mathew Drive, Palm Springs  
ARRL - Palm Springs Hamfest 2012  
January 28, 2012

hosted by the Desert RATS Club, Palm Springs, CA

--go to the Forum section at <http://desertrats.am>

for up to date information  
or call Gary or Susie Boskovich at 760-321-6012

From the ARRL Letter.

## FCC SAYS BAND PLANS DO MATTER

The FCC recently asked three amateurs to respond to complaints alleging that they deliberately transmitted SSB on top of CW stations operating in the vicinity of 1820 to 1825 kHz. The FCC has never designated mode-specific sub bands in the 160-meter amateur band. Instead, operators are asked to voluntarily adhere to the ARRL band plan, revised this past summer, which recommends a lower limit of 1843 kHz for SSB operation.

In the wake of the complaints, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth wrote George Wehrung, W5TZ, and Dennis Clauder, KT5S--both of Texas--and Derrick Vogt, WA4TWM, of Kansas in mid-September. Hollingsworth asked each to respond to allegations from several other operators that their SSB transmissions deliberately interfered with attempts by others to operate on CW between 1820 and 1830 kHz. Copies of the complaints were sent to all three operators.

"Band plans are voluntary in nature," Hollingsworth acknowledged in each of the similarly worded letters. He said the FCC depends upon voluntary compliance because it minimizes the necessity for the Commission to be called in to resolve amateur problems. **"Where interference results from band plans not being followed,"** Hollingsworth continued, **"the Commission expects substantial justification to be shown by the operators ignoring the band plans."**

Hollingsworth requested that Wehrung, Clauder and Vogt each reply to the complaints within 20 days.

From the ARRL Letter 12 October 2001  
And printed in QSA-5 November 2001

Fed up with everyone who claim that they are 'shocked' because of some event or what someone else has done or said? Not bloody likely. Not anymore. Mildly surprised some times but that's it. These clowns sound like a bunch of whiners.

**New 60 meter band 5MHz Channel List:  
General, Advanced, or Amateur Extra Class license only.**

Suppressed Carrier VFO Dial freq

5330.5 kHz USB (center of channel = 5332.0)

5346.5 kHz USB (center of channel = 5348.0)

**5357.0 kHz USB (center of channel = 5358.5) New!**

5371.5 kHz USB (center of channel = 5373.0)

5403.5 kHz USB (center of channel = 5405.0)

Note: FCC deleted the channel at 5366.5 USB (center=5368.0)  
and "replaced" it with channel 5357.0 kHz USB (center=5358.5)

**The maximum allowed power level is now 100 Watts PEP (ERP) effective radiated power referenced to a dipole.** If another type of antenna is used, the station licensee must maintain a record of either the antenna manufacturer's data on the antenna gain or calculations of the antenna gain.

**Upper SideBand Phone, Data, or RTTY transmissions may use dial (VFO) USB suppressed carrier frequency at 1.5kHz below the center of the channel.**

Transmissions must not exceed the 2.8kHz bandwidth channel. RTTY modes such as PSK31 must not exceed 60Hz necessary bandwidth. Data modes must not exceed 2.8kHz bandwidth. CW bandwidth must not exceed 150Hz bandwidth and the CW frequency should be at the center of the channel.

Data stations operating under section § 97.221 automatically controlled digital station, are not allowed on these 5MHz channels.

Mystery pic. Can you ID this location? A freak heavy downpour flooded this area that's normally dry. It was necessary to jack hammer a couple holes in that wall to drain it. In ten years, 1964-73, we saw this happen once.



## **Bin Laden & Gadhafi Are Definitely Dead**

**There is finally conclusive evidence that Osama bin Laden and Muammar Gadhafi are dead.**

**Yesterday, they both registered to vote in Chicago.**

---

**"Don't worry about old age--it doesn't last that long."**

---

## **The Importance of Walking!!**

**Walking can add minutes to your life. This enables you at 85 years old to spend an additional 5 months in a nursing home at \$7000 per month.**

**I like long walks, especially when they are taken by people who annoy me.**

**The only reason I would take up walking is so that I could hear heavy breathing again.**

**I have to walk early in the morning, before my brain figures out what I'm doing..**

**Every time I hear the dirty word 'exercise', I wash my mouth out with barbera , or rum.**

**The advantage of exercising every day is so when you die, they'll say, 'Well, she looks good doesn't she.'**

**If you are going to try cross-country skiing, start with a small country.**

**I know I got a lot of exercise the last few years,..... just getting over the hill.**

**We all get heavier as we get older, because there's a lot more information in our heads.  
That's my story and I'm sticking to it.**

**Every time I start thinking too much about how I look, I just find a Happy Hour and by the time I leave,  
I look just fine.**

---

**During a commercial airline flight a retired Continental Pilot was seated next to a young mother with a babe in arms. When the baby began crying during the descent for landing, the mother began nursing the infant as discreetly as possible. The pilot pretended not to notice and, upon disembarking, he gallantly offered his assistance to help with the various baby-related items. When the young mother expressed her gratitude, the pilot responded,**

**"Gosh, that's a good looking baby...and he sure was hungry!"**

**Somewhat embarrassed, the mother explained that her pediatrician said that the time spent on the breast would help alleviate the pressure in the baby's ears.**

**The Continental Pilot sadly shook his head, and in true pilot fashion exclaimed:**

**"And all these years.....I've been chewing gum."**

---

**Jiffy Lube busted in L.A.**

**<http://www.wimp.com/lubeinvestigated/>**

## On the Pampanito at Pier 45, Fisherman's Wharf. NJ6VT

WWII ID was NJVT

Hi All

Sorry for the delay in writing to you all, but I have had computer problems for the last several weeks - a bad modem and a bad router. All ok now after replacing the old gear with new gear!

Here is Michael's DDO Report for the last DDO that took place on Saturday, November 12, 2011 along with a few of my own comments. Both Michael, K6MLF, and myself were present for the DDO (Dedicated Day of Operation).

Our next DDO is scheduled for Saturday, December 10th aboard the USS Pampanito. Let me know if you can participate. It will be our last DDO for year 2011. It would be wonderful to have lunch together at the wharf!

73, Den Regan, K6ZJU

CO Pampanito A.R.C. NJ6VT

USS Pampanito, SS-383

San Francisco

Ph: 209-296-1580 Pine Grove

415- 516-5310 SF (Cell)

On our regular Second Saturday, Den Regan K6ZJU, CO, and Michael Fischer K6MLF, RO operated aboard from 1000 until 1630. It being Veterans' Day weekend, and the weekend of the Stanford-Oregon as well as the 49ers-Giants football games, there was a higher proportion of domestic visitors than usual. But quite a steady stream of interested tourists from around the world, including two visitors from Iran. Two fellas in their mid-teens were keenly interested in the radio operations—it's quite likely that they will become involved in amateur radio.

Michael made 46 contacts, plowing through a number of pileups. While mostly from throughout the West, we also made contacts with the Midwest and East Coast, as well as several Canadian stations. We had contacts with other historic ships: The USS Turner Joy, NS7DD, the USCG Northwind memorial station, the Five Sullivan Brothers station in Iowa, the Star of India, and the Los Angeles Maritime Historic Museum. Den, knowing that the more contacts he made meant more QSL cards to send (Den here: True! I was so far behind in getting my QSL's out that I had to work on them on Sunday!) was more judicious in his contact-making. But he DID have an extended, quite clear Morse Code conversation with a station in Zimbabwe! (Den here: Yes, Z24EA was on the 17 m CW band around 18.072 mc I think it was. I believe I was the second QSO he had before the pile up began. Not bad for 80 watts and a 115 ft. long wire antenna to be able to put a signal into Zimbabwe! Probably could not have worked Z24EA in that pile up! )

In signing into the logbook, it was disheartening to note that the radio room was silent in October—there was a two-month period without any radio room operations. Both of us urge our colleagues to help out more frequently so that does not recur.

Over to you, Den!

Den here: Yes, we badly need more participation from club members. Our guest operators have really helped our radio club out, but we need to have our regular radio club members help out more often as well. Please try to schedule your participation with another club members or a guest operator so we can "spread out" our resources and have someone on the boat operating our club station, NJ6VT, at least once a month. It will not do any good to have everyone there on the same day, except for special event operations.

We received a nice QSL card from the battleship, USS Texas, NA5DV, from the Museum Ships Special Event of last June. The QSL is now in the display case in the Watch Shack, along with several other nice QSL cards and Award Certificates we have received. Check out the display case when you come to the boat.

73, Den, K6ZJU Pine Grove, CA

Cordially, Michael Fischer 131 Bolsa Avenue Mill Valley, CA 94941-1101 415 383 5855 415 519 2201  
cell

To save the economy, on December 30, 2011, Congress will order the immigration department to start deporting retired people instead of illegals in order to lower Social Security and Medicare costs. We are easier to catch and will not remember how to get back home! See you on the bus. I wonder where we're going?

### Rules to Remember in Life

1. Money does not buy happiness but its more comfortable to cry in a Mercedes than on a bicycle.
2. Forgive your enemies but remember those bastards' names.
3. Help someone when they are in trouble..... and they will remember you when they're in trouble again. This includes entities you donate to. They will continue to harass your ass for more. Can they look at ZIP codes to check the mean income for an area? Likely.
4. Many (again MANY) people are alive only because it's illegal to shoot them.
5. Alcohol does not solve any problems, but then again.....neither does milk.

I pointed to two old drunks sitting across the bar from us and told my friend, "That's us in 10 years".

He said "That's a mirror, you dip \$#!t

An Indian chief had three wives, each of whom was pregnant. The first gave birth to a boy. The chief was so elated he built her a teepee made of deer hides. A few days later, the second wife gave birth, also to a boy. The chief was very happy. He built her a teepee made of antelope hides.

The third wife gave birth a few days later, but the chief kept the details a secret. He built this one a two-story teepee made out of hippopotamus skin.

The chief then challenged the tribe to guess what had occurred. Many tried, unsuccessfully. Finally, one young brave declared that the third wife had given birth to twin boys. "Correct," said the chief. "How did you figure it out?"

The warrior answered, "It's elementary. The value of the squaw of the hippopotamus is equal to the sons of the squaws of the other two hides."





If you start with a cage containing five monkeys and inside the cage, hang a banana on a string from the top and then you place a set of stairs under the banana, before long a monkey will go to the stairs and climb toward the banana.

As soon as he touches the stairs, you spray all the other monkeys with cold water. After a while another monkey makes an attempt with same result .. all the other monkeys are sprayed with cold water.

Pretty soon when another monkey tries to climb the stairs, the other monkeys will try to prevent it.

Now, put the cold water away.

Remove one monkey from the cage and replace it with a new one.

The new monkey sees the banana and attempts to climb the stairs. To his shock, all of the other monkeys beat him mercilessly. After another attempt and attack, he knows that if he tries to climb the stairs he will be assaulted.

Next, remove another of the original five monkeys, replacing it with a new one. The newcomer goes to the stairs and is attacked.

The previous newcomer takes part in the punishment... with enthusiasm.

Then, replace a third original monkey with a new one, followed by a fourth, then the fifth. Every time the newest monkey takes to the stairs he is attacked. Most of the monkeys that are beating him up have no idea why they were not permitted to climb the stairs. Neither do they know why they are participating in the beating of the newest monkey.

Finally, having replaced all of the original monkeys, none of the remaining monkeys will have ever been sprayed with cold water.

Nevertheless, none of the monkeys will try to climb the stairway for the banana.

Why, you ask? Because in their minds... that is the way it has always been!

This, my friends, is how Congress operates... and is why, from time to time, **all of the monkeys need to be REPLACED AT THE SAME TIME!**



**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><b>Marin Amateur Radio Society</b>  <b>President:</b> Curtis Ardourel WA6UDS                      510-595-3494  <b>Vice President:</b>                      Jerry Foster WA6BXV 892-3829  <b>Secretary:</b>                      Randy Jenkins KA6BQF  <b>Treasurer:</b>                      Doug Slusher KF6AKU  <b>Additional Board Members:</b>                      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><b>Education Chair:</b>                      Randy?                      491-0318  <b>VE Liaison:</b>                      Randy Jenkins KA6BQF                      510-526-4089  <b>Building Co-Managers</b>                      Matt Schallock K6OHD 531-2676                      Rich Carbine W6UDS 479-3136  <b>Trustee for W6SG:</b>                      Augie Koehler KØCQL  <b>Trustee for K6GWE:</b>                      Doug Slusher KF6AKU  <b>Sunday Emergency Nets:</b>                      Matt Schallock K6OHD  <b>Assistant to the Treasurer:</b>                      Dave Hodgson KG6TCJ 332-1864</p>	<p><b>DX Representative of ARRL:</b>                      Jerry Foster WA6BXV 892-3829  <b>WEBMASTER</b>                      Glenn Meader N1ZKW 987-3948                      N1ZKW@ARRL.NET  <b>Public Service Event Coordinator</b>                      Randy Jenkins KA6BQF                      510-526-4089  <b>ARRL San Francisco Section Mgr.</b>                      Bill Hillendahl KH6GJV@ARRL.ORG  <b>Editor of QSA-5 and Procurer of The Bellywash</b>                      Phil Dunlap K6PHD 491-0318                      K6PHD@ARRL.NET  <b>Membership:</b>                      Phil Dunlap K6PHD</p>
--	---	--

**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