



The Readout

The Stanislaus Amateur Radio News

NOVEMBER 1998

22 YEARS OF SERVICE TO THE COMMUNITY

[HTTP://WWW.WAC.COM/STANARA](http://www.wac.com/stanara)

THE AD FOR HELP HAS BEEN ANSWERED

WHAT IS AN ANTENNA?

We have all heard about some ham somewhere loading his 9257 Ford on 20 meters. Or the 14 miles of barbed wire fence someone else loaded on 160 meters. These stories go on and on, but were these really antenna? Just what is it that makes one thing an antenna and something else not an antenna? First: an antenna has to be able to carry electrical current, and second: the antenna has to radiate this electrical current. We must keep in mind that there are many materials that will conduct electric current, but not all make good antennas. The 9257 Ford did indeed conduct electrical currents, but made a lousy antenna. A pine tree full of sap can conduct electrical current but again makes a lousy antenna. So we can conclude from this that there are many things that will conduct electrical current but not all make a good antenna. Therefore; not only does the material have to conduct electrical current, but also the material has to radiate the electrical current. In order for the electrical current to be radiated as an electromagnetic

IN THIS ISSUE

- Club minutes
- Antenna info.
- New Readout assistant
- Membership application
- AARL News

MEET THE HELPER

Hi, my name is Sheli Watson, KF6CNQ. I have had my license for about 3 years. I still don't know much about ham radio, but I do know I enjoy reading the Readout. That is why I decided to help Jim publish it. Also, my husband, Kevin, KE6ZFY, was tired of hearing me complain about all the typos, so he volunteered me. If you would like to see any changes, e-mail me at ZFY@AOL.com. Articles can be sent to either me or Jim. I am going to try to help him as much as my schedule permits, but I also do a lot of volunteer work at my children's elementary school. I hope you enjoy the change. Comments and suggestions are always welcome.
Sheli KF6CNQ

FCC ANNOUNCE SHIFT

The FCC announced a change in the handling of enforcement actions concerning the Amateur Radio Service. By internal arrangement between the FCC's Compliance and Information Bureau (CIB) and the Wireless Telecommunications Bureau (WTB), as of September 1, 1998, all investigation, evaluation and processing of radio amateur related enforcement matters have been transferred to the CIB. The main objective of the change is to facilitate the Commission's pursuit of compliance in the amateur services especially with regard to resolution of interference complaints. The CIB staff now handles amateur radio enforcement matters from initiation to resolution, including complaints, amateur testing issues, warnings, monetary penalties, revocations hearings, or in extreme cases, equipment seizure and prosecution through the Department of Justice. WTB handles all processing and licensing matters including new applications and licensing renewal matters. (cont. page 2)

Antenna cont. from page 1

wave the current must be varied in time by a transmitter of some type. The antenna then should transfer the time varied electrical current into electromagnetic waves. This should be done as efficiently as possible. The 9257 Ford did transfer the current into waves but not very efficiently. A good antenna will also transfer electromagnetic waves back into electrical current on receive. For this process to work at its best, the impedance of the antenna and the transmission line must match. This explains why sometimes 75-Ohm coax may be better than 50-Ohm. Most dipoles fall between 70 and 80 Ohms. Next time we will discuss antenna impedance and the RLC circuit.
73 N6UGH Jim

FCC Shift cont. from page 1

WTB continues to handle all policy and rule making matters related to amateur radio. All amateur enforcement questions and complaints should be sent to: Compliance and Information Bureau
Compliance Division
Attention: Amateur Complaints
1919 M Street
Mail Stop 1500E1
Washington, D. C. 20554
Calls should be directed to (202) 418-1184. News Media contacts: Meribeth McCarrick or David Fiske at (202) 418-0500. Compliance and Information Bureau contact: Riley Hollingsworth at (717) 338-2502
FCC

S.A.R.A. MINUTES

OCTOBER 20, 1998

The meeting was called to order at 7:35pm.

Introductions were made, there were 22 in attendance.

OFFICER REPORTS

Presidents Report

I'm a general now, I took the test at Pacificon and passed.

I'm needing some ideas to get the club going, some suggestions are, pizza bash, work groups, fox hunts, classes, discussions, charity events, flea market, plus needing event ideas. Any other ideas e-mail me at www.ips.net/kf6fir.

Vice President Report

The Northern California DX club is having their 50th DX convention April 9 through the 11, 1999, in Fresno at the Holiday inn center plaza. You can find out more by e-mail at amateur-radio.org/ncdvc.htm.

Secretary Report

The money for split the pot drawing will be put aside in a separate pot and when enough money is built a 2 day and 1 night stay will be purchased and to be giving away in a drawing in the future. We have thought of Napa Valley and even South lake Tahoe, any other suggestion will be greatly appreciated.

Congratulations to Duane KF6BPA, he found out yesterday that he is a grandpa.

Break at 8:03 p.m.

The split the pot was worth \$18.50 congratulations to Nan KF6BOZ she won the split the pot drawing.

Meeting resumed at 8:25pm

Open Discussion

A mention of a book donation to the library of amateur radio study guide, preparation of the test.

S.A.R.A. Minutes cont.

Attend special events and put up a special event station a places such as the Salida Safety Fair.

RF Exposure- Who has done the test. Check your chart you just might be surprised.

Meeting closed at 8:50pm

After the meeting a discussion on CW.

Presented by the

Secretary

Nanette Hartman

KF6BOZ

OPEN LETTER FROM THE VP

Let Ed Drive...

The year 1999 is close upon us and it is time to elect officers to again carry SARA through the new year. Many goals were set this past year and I am happy to report that most were accomplished and others we still seek. The important issues involved membership which by the end of this year is nearly 100. Another was Field Day where we came in third place in our category, as well as emergency and disaster training for our members. We were even called upon by our community to assist during flooding disasters. An excellent record considering both the present state of amateur radio and the hard work from our members. Our monthly meetings were well attended and President Ed continued to bring us interesting topics as well as much needed training. Ed's desire to see this club grow and renew the spark from years past has always been a priority. He has volunteered countless hours, mediated several club issues while all the time holding down a full time job and providing for his family. Not an

VP letter cont. from pg. 2

easy accomplishment . . . just ask his wife!

Both Ed and I, as well as the other SARA Officers and members have brain stormed looking for ways to increase our membership by either getting new hams into the club or getting former members to come back. We learned that some of the former members and many potential new young members have opted to use the Internet instead of Amateur Radio to communicate with others around the world. Most potential amateurs already have a computer in the home, so the Internet is an easier way to communicate. It is Ed's desire to encourage these individuals to enter Amateur Radio. Ed has done just that by instructing several ham classes on his own time, as well as use the expertise of other SARA members to graduate new hams to the Amateur Radio ranks and eventually join our club. I am a former graduate of the SARA class taught by Ed, Jim W7ABA and Mike W7MH. They made the class interesting and challenging and always offered one on one mentoring. With Ed's plans to have an ongoing SARA sponsored Amateur Radio class for entry level as well as upgrade classes, he is very confident that our Amateur Radio ranks well swell as will our clubs membership.

It is for these reasons that I continue to support Ed 'KF6FIR' for President during the 1999 term. He has goals that need to be fulfilled, and with your support as well as mine our club will see 150 members, annual outings, dinners, coffee breaks, continued training as well as our public service

VP letter cont.

responsibilities. Continuity is the key issue, keep ED behind the wheel as he drives us toward the year 2000!

Join me and make your vote count, "Vote ED for Pres"

73's

Paul W6UHF

Vice President SARA

ARLB097 FCC DECLARES
COMMUNICATIONS
EMERGENCY

Hams not involved in handling emergency traffic must keep away from 14.265 MHz under a FCC mandatory communications emergency. The Communications emergency was declared to support the Honduras Disaster relief effort.

Under the order, amateurs are required to refrain from using 14.265 MHz (plus or minus 3 kHz) unless they are taking part in the Handling of emergency traffic.

The order, issued November 10 by Deputy Chief Arland K. Van Doorn of The FCC Compliance and Information Bureau, remains in effect until Rescinded.

LETTER FROM THE VP

I would like to take this opportunity to thank all the SARA members for your support this past year. Being a relatively new ham, licensed 5/97 I have had a lot to learn. And learn I did, more than I really wanted to sometimes.

(cont. on page 5)

ED'S LETTER

Hello club members,

In December we have elections coming up. This is the time you need to decide in what direction you want your club to go in. Time to think what kinds of leadership do you want. What activities do you want. Most importantly, what are you willing to participate in and volunteer for. The current election is for president. What qualities do you want in a president? What do you know about the candidates? If you do not know the candidates, ask someone who knows! And come to the December meeting to vote.

A suggested list of qualities for president are as follows:

Must be politically correct at all times.

Must have the interest of the club at heart.

Must be able to treat people with respect.

Must be able to handle problems diplomatically.

Must be community minded.

Must have realistic goals for the club.

Must have leadership skills to direct meetings.

and the list goes on.....

Needless to say, the president must have many skills and interact well with others. I am sure there are qualities you can add to this list. So when you vote, think ahead as to what you want accomplished, and who can do that for you.

Thank you,
Ed KF6FIR

W5YI REPORT (December 1998)

Personal ham station call signs are extremely popular!

According to the FCC, more than 36,000 "Vanity" Amateur Radio call signs have been issued to ham stations. That's estimated to be about 10% of the active amateur population. During October 1998, 230 paper applications and 1181 electronically filed (EF) applications were received. The total paper documents versus electronically filed "Vanity" call signed is now about equal

... 17,991 paper and 18,260 EF.

Paul W6UHF

S.A.R.A. MINUTES NOVEMBER 17, 1998

The meeting was called to order at 7:34 p.m. Introductions were made, there were 29 in attendance.

OFFICER REPORTS

Presidents Report, Ed KF6FIR

Frequency 14.2665 was reserved for emergency communications in Honduras and can now be used normally, they no longer need the frequency.

Nominations will be held tonight.

Vice President Report, Paul W6UHF

CONGRATULATIONS! The S.A.R.A. club took 3rd place in field day.

Secretary Report, Nan KF6BOZ

CONGRATULATIONS! To Davonna, she passed her no-code tech test last Saturday.

I have sent all the thank you letters out to everyone who donated to S.A.R.A. for our field day event.

They all helped us to succeed in a very successful field day event.

November minutes cont.

Treasure report, Bob KC6TVE

income \$2576.00, expense \$2195.00, checkbook balance \$3052.00, equipment fund \$728.00.

There will be a grand drawing in the future, when the pot is high enough, there will be a trip for 2 somewhere, we don't know where yet, so far we have \$18.50 in the pot.

Yearly dues are \$20.00 and payable to S.A.R.A.

Open discussion

Tim NV7CQ suggested that the weekly net be changed to 7:00 p.m. rather than 8:00 p.m. due to the swap net taking place on another frequency.

Barbara KE6SUM suggested that the net take place only once a month.

Tim NV7CQ suggested Biweekly

All members voted and the outcome is that the weekly net will be held on Tuesdays at 7:30 p.m. except for the 3rd Tuesday of the month, when our monthly meeting take place. The Tuesday nets will start on December 8, 1998.

T-Hunts

We need a time and date. The club voted and the T-Hunt will be held in January around noon time, on Sunday the 10th and if it's raining it will be moved to Sunday the 17th, and if it's still raining it will be moved to Sunday the 24th, and if it's still raining we will all go out for Pizza.

Break at 8:30 p.m.

The split the pot was worth \$28.00 congratulations to Ed KF6FIR he won the split the pot drawing.

Meeting resumed at 8:50 p.m.

Nominations are as follows

Treasure Bob KC6TVE

Secretary Nan KF6BOV

Vice President Paul W6UHF

November minutes cont.

and Ed KF6FIR

President Ed KF6FIR and Tim NV7CQ

Mark WB6BJN made a motion to close the nominations, all were in favor.

Tim NV7CQ made a motion for the clubs HF radio be fixed.

Jack KE6SUO if the price is right, if it's under \$250.00. Also made a motion for the club to get an estimate, all members were in favor.

Tim NV7CQ asked why the links for the 2 meter, 440 and 220 are not working? Need to ask Leroy NV6S.

Duane KF6BPA, the controllers have been changed, which does not allow us to link anymore, some work can be done, and we can link again, but it will take some time to put it together, depending if we have access to the schematics.

Complaints about 220 only working sometime and the courtesy tone is louder than the audio.

Question about the phone patch, when will it be up? Paul W6UHF, right now we are struggling with the phone co. we are trying to get a residential rate, but since it is up on the Red Lion they want to give us business rate.

Pizza bash will be in December sometime it will be announced on the weekly net.

Upgrade classes in the future, K6IN Kent volunteered as a teacher, depending on his schedule.

At the next meeting, there will be more discussion about yearly dues,

Meeting closed at 9:45 p.m.

After the meeting a discussion on CW.

Presented by the Secretary

Nanette Hartman KF6BOZ

VP letter cont. from pg. 3

Being involved in SARA took a lot more time than I realized, but I can say I enjoyed every minute. Being around a bunch of hams with a common goal is very refreshing and certainly worth the while. I had no idea how much fun this hobby "Amateur Radio" could be, and had I known, I would have become a ham in my youth. This I believe is the key to Amateur radio's success and that is to interest today's youth. They will be the hams of tomorrow to keep the bands alive.

I maintain my commitment, please join me and continue to support our club.

73's

Paul W6UHF
Vice President SARA
11/98

A TIME FOR CHANGE

Words I continue to hear regarding the direction our club is going or not going. I hear that we need more activities, that we need more members, that we need more events, that we need an agenda . . . What we need is support from our membership and the willingness to get involved, to join a committee, to chair an event and jump in with both feet and make it happen! The handful of members who routinely volunteer for these duties need your support and assistance. I encourage your ideas and thoughts, but rather than just mentioning these desires and concerns, why not offer a plan, set your goal and get it going!

So you want changes. . . OK, how about changing our attitudes by setting Goals, getting Enthused, joining in Activities and getting Involved.

Allow me to suggest a Club Agenda for 1999:

Support & Ownership.

Support means providing support to all your club and group members, all your programs, and all organizations who support you.

Ownership means that you hear everyone's input - give everyone a say, help everyone feel like a part of the group and involve everyone in every aspect.

If you don't know where your going, . . . Chances are, you won't get there.

In your service, 73's
Paul W6UHF
SARA Vice President

HOW ABOUT SOME GOALS?

- (1) T hunts four times a year (rain or shine)
- (2) More social outings involving club members (6 a yr.)
- (3) Electing committees to organize events & outings
- (4) Club Swap meets (the club money maker, 1 a month or every other month, Livermore format)
- (5) Club Raffle Ticket Sales (18 inch satellite system)
- (6) Organizing A 10 meter net (28440 USB) HF net getting Sara More involved in hf events
- (7) Work the wine & cheese event but also set a Sara Booth (Setting up the Club's Hf Radio)
- (8) Member ship drives
- (9) Lowing the dues too \$15 and \$5.00 additional family members
- (10) Upgrading the clubs System (phone patch 220/440 linking for net nights & events etc.)

(Hiring a paid tech for the club's repeater system)

These are the things that I would like to see in the up coming year, for us to work on.

Tim Johnson N7CQ

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**STANISLAUS COUNTY
LOCAL PUBLIC SERVICE RADIO FREQUENCIES
10-21-97**

STANISLAUS COUNTY AMATEUR RADIO EMERGENCY SERVICE - APPENDIX "G"

FREQUENCY	AGENCY	DESCRIPTION
158.730	SHERIFF'S DEPARTMENT	F-1 "DISPATCH"
158.865	SHERIFF'S DEPARTMENT	F-3 "INFORMATION"
154.920	SHERIFF'S DEPARTMENT	F-4 "C.L.E.M.A.R.S."
158.805	CERES POLICE DEPT.	F-1 "DISPATCH"
158.760	OAKDALE POLICE DEPT.	F-1 "DISPATCH"
158.850	TURLOCK POLICE DEPT.	F-1 "DISPATCH"
156.210	WATERFORD POLICE DEPT.	F-1 "DISPATCH"
460.375	MODESTO POLICE DEPT.	F-1 "DISPATCH"
460.500	MODESTO POLICE DEPT.	F-2 "INFORMATION"
42.520	CHP	"YELLOW" BASE-TO-CAR
42.300	CHP	"YELLOW" CAR-TO-BASE
151.430	FISH & GAME	"DISPATCH"
153.770	COUNTY CONS. FIRE	F-1 "DISPATCH"
154.430	COUNTY CONS. FIRE	F-2 "FIREGROUND"
153.890	COUNTY CONS. FIRE	F-3 "FIREGROUND"
155.940	MODESTO CITY FIRE	F-1 "DISPATCH"
154.370	MODESTO CITY FIRE	F-2 "TACTICAL"
154.295	MODESTO CITY FIRE	F-3 "TACTICAL"
154.190	TURLOCK CITY FIRE	F-1 "DISPATCH"
154.325	OAKDALE CITY FIRE	F-1 "DISPATCH"
154.280	STATE OES FIRE	"WHITE" MUTUAL AID
151.355	CDF	"STATE NET"
151.265	CDF	"REGION NET"
151.175	CDF	TUOLUMNE/CALAVERAS
151.460	CDF	MARIPOSA/MERCED
151.445	CDF	W.STANISLAUS COUNTY
168.750	USFS	STANISLAUS NAT. FOREST
154.400	MERCED COUNTY FIRE	F-1 "DISPATCH"
155.115	STANISLAUS COUNTY LG-1	ANIMAL CONTROL/PARKS
155.325	MEMORIAL MEDI-FLIGHT	AIR AMBULANCE DISPATCH
155.385	VHF MED-NET	AMBULANCE TO HOSPITAL
463.000	UHF MED NET	AMBULANCE TO HOSPITAL
47.420	AMERICAN RED CROSS	"DISPATCH"
153.755	STANISLAUS CO. O.E.S.	"DISPATCH"

SARA Membership Application

Call : _____ Date: _____
Name: _____
Address: _____
City & State: _____
Zip Code: _____ ARRL Member?: (yes) (no)
Home Phone: _____ Alt Phone: _____
Occupation: _____
Date Of Birth: _____ Clas Of Lic: _____
Year First Licensed: _____

Dues: Renewal \$20.00 per year. Out of area more than 150 miles from Modesto is \$10.00. New first time applicants dues are pro-rated from the month you join the club. Use \$1.91 times the number of months remaining in the year. I.E. You join in July - $6 \times \$1.91 = 11.46$

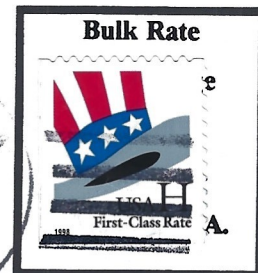
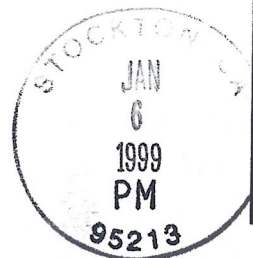
SARA, repeaters are, on MT.OSO.. 2mtr > 145.390 pl 136.5, 220band > 224.14 pl 136.5, 440 band > 440.225 pl 136.5, 6mtr. > 52.800 , packet> SARA, 144.91 and 145.65 TCP/IP&ax25 radio mailbox & Internet e-mail... Internet address > Sara@modesto.n6kmr.ampr.org Webpage: [HTTP://WWW.wac.com/~stanara](http://www.wac.com/~stanara)
CHECK US OUT....

5

Stanislaus Amateur Radio Assoc, Inc.
P.O. Box 4601 Modesto, CA. 95352



TO: RESIDENT OR/



~~1997~~
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~~1977~~
~~PO BOX 4601~~
~~MODESTO, CA 95352~~