



March 1997

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Roseville, CA 95662

Amateur Radio News and Public Service Since 1958

Editor: Matt Diridoni - KC6RUO
E-mail Matt@Spyderwebb.com

AT THE KEY OF S.F.A.R.C.

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966-2004

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Dave Hund
624-0978

CLUB NETS:

ALL WELCOME TO CHECK IN
Thursdays 7:30 PM 2M / 220
K6ARR & Club Repeater
145.430 (-600, PL 94.8) or
223.860 (-1.6 MHz PL-100)

10 Meter Net "CLUB 10"
Sundays 7:30 PM
28.415 MHz

CLUB MEETINGS: Second Fri.
each month, 7:30 PM
Auburn Library, 350 Nevada St.
Auburn, CA

BOARD OF DIRECTORS MEET
Check Event Calendar For Dates

CLUB BREAKFAST

Last Saturday of the month
8:00 AM to 9:00 AM,
Susie's Country Cafe,
Roseville, Hwy. 80 & Riverside

Net Controller:

Dick Lund - WA6HYO 885-3190
Dave Jenkins - 791-7969

Club Meetings & Events

Mar	8	Garage Sale
Mar	14	Program Meeting, Satellites
Mar	29	Club Breakfast - Susie's Café
Mar	30	Ham Hunt and Fund Raising Brunch
Apr	6	Board Meeting
Apr	11	Birthday Celebration & Awards Pot Luck General Meeting
Apr	26	Club Breakfast @ Susie's Café
Apr	26	Rabbit Hunt, 7:30 PM @ W6SUP
May	9	Program Meeting, Quad A's - Sam
May	31	Club Breakfast @ Susie's Café
June	8	Board Meeting
June	13	Program Meeting - Field Day Prep.
June	27-29	Field Day!
June	28	Rocklin Jubilee Parade
June	28	Club Breakfast @ Susie's Café

Key News Inside

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FROM THE PRESIDENTS SHACK - KC6LOE

As we all get to this year's SFARC activities, a theme comes to mind.... Fun, Friends, and Family. I would hope that this year brings us all together as a professional, friendly, cooperative group that has

Presidents Message Continued

lots of fun at all our events. Your officers are planning and participating in some very entertaining and fun events. **I hope to look back on 1997** with the following thoughts about four particular areas: Membership Relationships, Reputation, Community Service, Fiscal Standards, and Elmering. I trust the following words will come to mind when someone mentions the following five areas: **Membership Relationships:** Congenial, open minded, accepting of differences, focused on common interest, friendly to old and new members. Ham license level is not an issue, professional, friendly and co-operative. **Reputation:** Up to date, Technical operators, friendly, Non-Controversial, 70% ARRL membership, 60% regularly volunteer and participate in Community Service Communication events. **Elmering:** Technological skills and knowledge openly shared with interested members, supportive to Hams of all ages.

Community Service: Most professional services provided by the greatest number of individuals, broad base of events that most members attend, new and enthusiastic community leaders. **Fiscal Standing:** Strong fiscal standing, adequate reserves for new officers, foundation set for fun and profitable fund raising events. If by January 1998, eighty percent of us could look back on 1997 and agree seventy percent of the above was accomplished, we would believe that 1997 was a very good year.

73's Greg Huttula, KC6LOE

TEAMWORK

Coming together is a beginning
Keeping together is progress
Working together is success

Henry Ford

KUDOS !

Kudos to Dave Jenkins, WB6RBE, Bill Aston, W6JDT, for the great presentation at the February 14 meeting. Also, Kudos to Whitey, N6RYO for helping to clean up after the meeting.



The SFARC Sunshine Report

By Jerri Metke, K6GKR

Dorris Durmond, XYL of Silent Jack Durmond, W6YHI is

recuperating from an illness. She can no longer drive. Dorris has been a long time of SFARC and hoary member by Presidential appointment. She was regular at the monthly Club breakfast until recently. She could come to the breakfast if some one could give her a ride, telephone number 988-2394. Well wishes and greetings can be sent to Dorris Durmond at 9200 Mott Av. Orangevale, CA. 95662.



1997 SFARC NEWSLETTER BOOSTERS CLUB

Frank Bird WA6ODK 10-96
Janet Bird KB6KTU 10-96
Fred Campbell KE6MJC 2-97
Bob & Irene Greenslade W3PMP 10-96
Dave Hund, N6SHD 10-96
Richard Kuepper, WA6RWS 10-96
David Peden, KA6KUT 10-96
Dave Pellonini, AC6RD 11-96
Jerri Metke, K6GKR 1-97
Bob Metke, W6SUP 1-97
Jan Huttula, KC6LIX 1-97
Greg Huttula, KC6LOE 1-97
Ralph McCune, AC6SG 2-97
Gary Cunningham, KE6TEL 1-97
Wayne Mikel, KE6DJE 2-97
John Alstrom, KQ6CK 2-97
Chuck Eder, W6LOE 2-97
Gail Eder, KA6ZUV 2-97

Thanks for all your support!

If you would like to join the SFARC Newsletter Boosters Club, Contact the Treasurer.

MEMBER FOCUS

Dick Lund - WA6HYO

Dick is truly an "old timer" in SFARC, and probably holds the record for "Most Offices Held". Dick was born and raised in Algona, Iowa, and he attended Drake University School of Pharmacy in Des Moines. During World War II, he served as Pharmacist Mate in the United States Navy, stationed in the Philippines. Upon discharge from the Navy in 1946, Dick married his wife Betty in San Mateo, and they lived in Fort Dodge, IA, Bloomington, IL, and Springer, NM, as Dick pursued his career in Pharmacy.

The Lunds came to Auburn in 1954, where Dick was the pharmacist at the Auburn Drug Co. for 20 years. After several additional positions, culminating with a 4 year stint at Payless in Yuba City, Dick retired in 1983. Meanwhile, Betty was an 8th grade teacher at E.V. Cain School in Auburn for 10 years, a visiting professor of anthropology at California State University at Sacramento for 3 years, and a Librarian for the Western Placer Unified School

District in Lincoln for 18 years. She retired as District Librarian on the same day as Dick.

Dick became interested in Ham Radio in 1959, and attended his



first radio club meeting in Auburn in February of that year. He passed his novice exam in July. He received his general class license, and present call sign in June, 1961. He served as President of the SFARC in 1962, and served either Secretary

or Treasurer for the club twelve times between 1963 and 1992. He has been serving as 2 meter net Coordinator since 1988.

Dick was a "paper chaser" on 10 meters, and has about 100 chapters on his list. He was awarded the Lighthouse Trophy by Mississippi Lighthouse Chapter upon becoming member number 1,000. He was also on the board for

the Mission Trail Net, and was President of the Ben Ali Shrine Radio Club in 1990. Retirement never slowed Mr. Lund down at all. In addition to Ham Radio, he was Treasurer for the Sons in Retirement, Branch 138, on the Board of Directors for the HI-12 Masonic Club in Auburn, and is an elder in the Auburn Presbyterian Church. He served as 2nd Vice Commander of the American Legion Post #84, is a member of Eureka Lodge #16, Ben Ali Shrine and Radio Club, a charter member of the Placer Shrine Club, and a member of the American Pharmaceutical and California Pharmacists Associations.

With a history as full as that, Dick is never at a loss for things to talk about. Give him a shout next time you hear him on the 2 meter net.

SFARC Says



To the following members

Janet Bird, KB6KTU - March 6

Jettie Hill, W6RFF - March 20

Cynthia Vollman, KF6OBI, March 21

Quad A's

Electronic Supply

7360 Auburn Bl. #B
Citrus Heights, CA 95610
Retail & Commercial Sales
Knowledgeable Assistance
(916)723-7360

Renewing and New Members

Gail Eder, KA6ZUV

Cynthia Vollman, KF6OBI

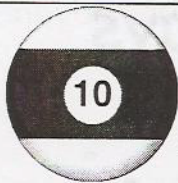
Toby Richardson, KD6MLU

Thanks to all who have renewed their membership with SFARC, our membership is now growing. Renewal applications are still coming in. There are hams that were members from years ago who are rejoining the club, and new licensed hams who have joined in the last month.

Members With New Calls

Roger Hedgepeth, N7EUQ is now N7TK

Congratulations Roger!



"CLUB TEN"

Sunday Evening at 7:30 PM check out ten meters. Listen on 28.415 MHz. This is the "Club Ten" ten meter net. This net is growing with more members and guests added weekly. If you are a novice or Technician, you can talk on 28.415 MHz, so tune us in and check us out. Hope to hear you on "Club Ten".



The Breakfast Report

For those that did not make the breakfast, you missed a real good one this time. It was reported that at least 30 members showed up at Suzies Café in Roseville on February 22, 1997. Join us at the next breakfast at Suzies Café, On Cirby Wy & Melody Ln. in Roseville, April 26, 1997 at 8:00 AM.

See you all there !

Fiscal Affairs

Beginning Balance	\$1,176.26
Deposits	428.00
Expenditures	<u>868.04</u>
Ending Balance	\$736.22

Birthday Party Awards Estimated Budget

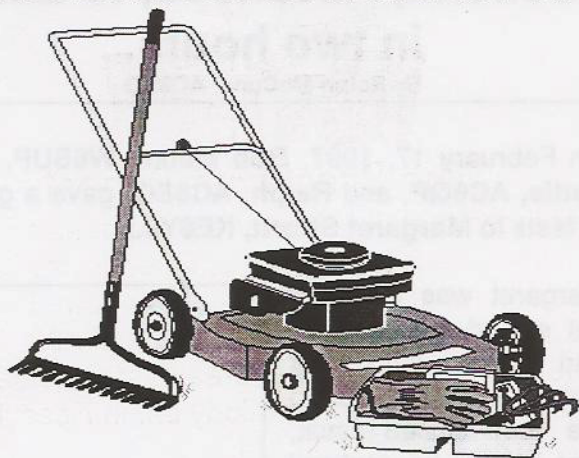
Expenditures	
Decorations, Utensils Lasagna	\$104.50
Awards	<u>\$150.00</u>
	\$250.00
Estimated Attendance Income	<u>\$ 70.00</u>
Total Cost	\$184.00

March 8 Garage Sale

We need to pull in about \$350.00 from the garage sale to have enough money to pay for upcoming events and the Newsletter. Call Greg Huttula, KC6LOE at 786-3530 to pickup garage sale items

Fund Raising Brunch and Ham Hunt Estimated Budget

Expenditures	
Food, Utensils and Ham	\$ 50.00
Income Revenue from	
Attendance (30 persons @ 3.50	\$105.00
Estimated Funds Raised	\$ 55.00

REPEATER SITE CLEANUP DAY

Don't Forget The Spring
Repeater Clean up Day
May 3, 1997 from 9:00 to 12:00
Contact Greg, KC6LOE at 783-3530

**FCC Now Provides Toll Free
Service to the Public**

The FCC Gettysburg is in the process of installing a new toll free service to the public to field any calls dealing with any telecommunications topic. The number is 1-888-CALLFCC. While not fully operational, this number can now be reached by anyone in the Pacific Division. The goal is that this number will be the first contact by outside persons to the FCC. I have tried it several times over the last couple of months and find the staff pleasant, but basically not knowledgeable about Amateur Radio. You might try it to see what you think. I would be interested in your comments.

SFARC V.E. REPORT

By Bob Metke - W6SUP

Your V.E. Team gave 18 tests to 9 applicants for the month of February. A special thanks to all members of the V.E. team for taking time to help promote amateur radio. If you need to take a test, or have questions about testing, please feel free to call me at 783-7610.

License or Upgrade Tests

Pre-Registration Required

Fee is \$6.25

Contact Bob Metke - W6SUP

783-7610

Scheduled Tests for Wednesdays at 7:00

March 5, 26, April 9, 30

May 7, 28, June 17, 25

July 9, 30, August 6, 27

September 10, 24, October 9, 29

November 5, 26, December 10, 31

Let W6SUP Know if you have any special test needs, e.g. in -home testing, support, or assistance due to disability

**PLAN TO UPGRADE
YOUR LICENSE?**

By Greg KC6LOE

Is this the year to upgrade? I am currently studying for my advanced class license. I hope to take the test in May. If your studying for your advanced ticket, lets get together and study. Jan, KC6LIX, is studying for her general ticket this year. Wayne, KC6DJE, is studying the code and wants to go all the way to 20 words per minute and extra class.

Happy Easter !

FREE HAM RADIO STUDY SCHOOL

Best Deal in Town

NO CODE TECHNICIAN LICENSE**YOUR CLASS COST NOTHING**All you do is supply your own up to date
study text book**Spring Sessions - Roseville Library**

Thursday nights - 7:00 to 9:00 PM

255 Taylor St., Roseville

March 6, March 20,

April 3, and April 10.

Summer Sessions - Maidu Library

Friday Mornings - 9:00 to 11:00 AM

1515 Maidu Dr., Roseville

Senior Wing

Class 1: July 11, July 25, August 8, August 22.

Class 2: July 18, August 1, August 15 &
August 29,**Fall Sessions - Roseville Library**

Monday Nights - 7:00 to 9:00 PM

255 Taylor St., Roseville

October 6, October 20, November 3, and
November 17**Contact Lewis Tuttle, AC6QP****771-2336**Amateur - CB - Scanners - Short-wave
Commercial Two Way Radios**The Radio Place**

Sales - Service - Installation

5675 - A Power Inn Rd. (916)-387-0730
Sacramento, CA 95824 FAX (916)-487-0744

www.radioplace.com

E-MAIL: info@radioplace.com

WANTEDQST, HR, CQ, 73 Radio Magazines
Buy or Trade

Call W6JDT Bill Aston at 652-9038

**General, Advanced, to Extra
in two hours.**

By Ralph McCune, AC6SG

On February 17, 1997, **Bob Metke, W6SUP**, **Lou Tuttle, AC6QP**, and **Ralph, AC6SG**, gave a group of tests to **Margaret Shortt, KE6YJJ**.

Margaret was nervous, but smiled all the time, and Bob, who sat across from her during the test smiled back, that is until he realized that the person setting across from him was blind.

The VE team arrived at 9:00 AM and at 9:30, the testing started. First was the 20 WPM test and brailing the

text. She then read the answers to Ralph, who put them on the answer sheet. Passing the 20 WPM we then gave her the General, Advanced, and then Extra.

After each test she gave the answers off the Braille machine to Ralph who placed the answer on the answer sheet. The tests were not only written for the sighted but the same test was in Braille for Margaret. All testing was done by 11:30AM code, general, advanced, and extra Passing all

Thanks to **Al Thearle, WB6RUU**, who was the teacher for both code and theory.**If I hear the word CODE one more
time, ill just %\$#@**



Satellite Report

Courtesy of Greg Dolkas, KO6TH

E-Mail: gregd@jps.net

Quick guide to your first Satellite QSO

Foundational stuff: These satellites work like a (very) high level cross-band repeater. They move across the sky in about 15 minutes, going either north-south or south-north. Moving that fast, the Doppler effect comes into play, changing the apparent frequency of both your signal and that of the satellite. Especially for SSB operation, you will need to listen to your own signal as it is repeated by the satellite in order to compensate for the shift. As with any other new mode, PLEASE listen to a few passes to get the hang of how people operate. The MOST IMPORTANT element of your satellite station is the receive (downlink) side. If you can't hear the satellite well, you CANNOT compensate by increasing your transmit power.

Two "Easy Sats" to get you started:

a) AO-27 - Operates only during the day, North-South passes

1) Equipment - 2m FM transmit, 70cm FM downlink. A typical dual-band mobile rig will do well.

2) 10 watts into small beam, small beam on downlink

3) 145.850 up, 438.800 down (single channel)

4) Hint: Tune receive 5-10 kHz high at start of pass, and decrease as pass progresses, ending 5-10 kHz low. Don't need to track doppler on uplink, or even need to hear yourself duplex mode OK. Remember, this is a single channel satellite, just like ground repeaters. Only 1 person at a time, and make your transmissions short. Turn off your PL

5) b) RS-10 - available all passes.

6) Equipment - 2m SSB/CW transmitter, 10m SSB/CW receiver

7) 2) 10-25 watts, J-pole or small beam; long wire or dipole

receive antenna.

3) 145.860-145.900 up, 29.360-29.400 down

4) Hint: Tune downlink to a quiet spot around mid-band (29.380 USB), set transmit for the last 2 digits to same frequency (145.880). Set transmit to CW, and send a series of dits. While listening on downlink, slowly tune the transmit side UP. Within about 5kHz you should hear your dits on the downlink. Adjust to zero beat, switch Tx to USB if you wish, and fine tune. Track Doppler on Uplink whenever you transmit. Remember, NO FM on this bird!

For more information on Satellite communications, attend the March meeting. Greg will be giving a presentation on Satellite.

To get more information on satellite communications, contact Greg Dolkas, who is the guest speaker at our next club meeting.

Help Wanted

Club Volunteers Needed for:

March 8 Fund Raising Garage Sale
Call Greg 786-3530

10 Meter Net
Call Greg 786-3530

March 30 Ham Hunt
Call Jerri K6GKR 783-7610

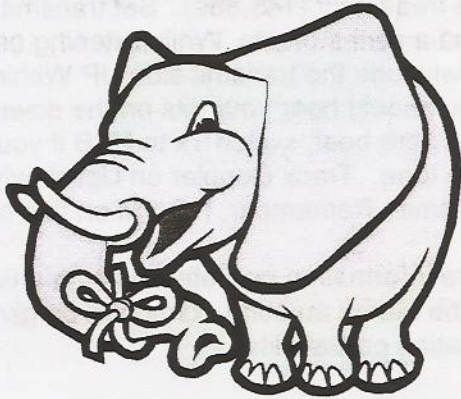
May 3 Repeater Site Cleanup
Call Greg 786-3530

June 27-29 FIELD DAYS
Call Dave Peden 878-2708

June 28 Rocklin Jubilee Parade
Call Dave Jenkins 791-7974

November Roseville Holiday Parade
Call Bob Metke 783-7610

WHITE ELEPHANT SALE



October 10, 1997

**Call Greg KC6LOE 786-3530 for
pickup of items**
Location to be determined

Comp USA



2000 Howe Av.

Sacramento, CA - 565-6020

SFARC Members get Corporate Discount

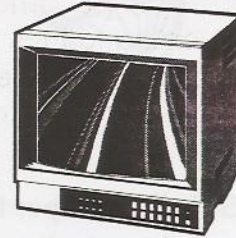
Appointment Changes

Our new Secretary is WA6RWS, Richard Kuepper.

Our new Board Member is KE6MJC, Fred Campbel.

Congratulations Gentlemen!

Metke's TV & Communications



**199 Cirby Way #14
Roseville, CA. 95661
782-5553**

Doc Metke K6HLO

SFARC Members get 5% Discount on Repairs

REPEATER TIPS

**Here are a few tips to get the
most efficient use out of VHF
and UHF repeaters.**

1. **Push to Talk:** The key here is PUSH, then talk in that order. Surprisingly, it takes a bit of hand-mouth coordination, but is critical.
2. **Pre-Talk Delay:** When you key your transmitter, there can be an appreciable delay before the distant receiver actually hears your words. The delay comes from the time it takes your transmitter to begin producing RF, unsquelch and PL decode time at the repeater receiver, repeater keyup delay and unsquelch time at the distant receiver. The delay is greater if the receiver is in scanning or battery save mode. All of this can add up to a second or more. So the best rule is, PUSH the PTT switch, take a deep breath, let it out, and then start talking.
3. **Short Transmissions:** Amateur operating guides often emphasize short transmissions. However, too much of a good thing is bad for communications. One word answers, like "yes", "no", and "what?" are often lost in the delays or in fades.
4. **Post-Talk Delay:** Pause for a second or two after your contact has turned it over to

5. you, to allow time for another station to make a quick call, and thus get double duty from the repeater. The K6ARR and Wb7OHV repeaters are open repeaters and there is nothing wrong with "rag chew" or "round tables". Just leave the door open for other users.
6. **ID:** Give your call at the beginning and end of your QSO, AND EVERY TEN MINUTES DURING THE QSO. You don't need to give the call of your contact. (Good for those of us with lousy memories!)

BIG EVENTS

The SFARC Garage Sale

If you are looking for a real bargain and some fun, check out the SFARC Garage Sale, March 8th at 1222 San Simeon Dr. in Roseville.

March 14th Meeting

Our next SFARC meeting program will be on Satellite Communications presented by Greg Dolkas, KO6TH. If some members need a ride to the meetings, or if you can offer a ride, let one of the club officers know. We will arrange a ride closest to your location.

SWAP MEETS & EVENTS

North Hills Radio Club Hamswap '97 is on the way. Come to the biggest swap in the Valley! May 18th at Carmichael Elk's Lodge. On Cypress Rd west of Manzanita in Carmichael.
Bakersfield Hamfest & ARRL Convention, May 15 - 17, 1997 at Costerisan Lake, Bakersfield, CA.

Livermore Swap Meet 1st Sunday of each month at Las Positas College in Livermore, CA, 7:00 AM to noon, all year. Talk in 147.045 from west, 145.35 from the east. Contact Noel Anklam, KC6QZK, (510) 447-3857 eves.



General Minutes February 14, 1997

President KC6LOE Greg Huttula called the meeting to order at 1940hrs. Officers present were President KC6LOE Greg Huttula, Vice-President KA6KUT Dave Peden, Secretary WA6RWS Richard Kuepper, Treasurer KC6LIX Jan Huttula. Directors N6SHD Dave Hund and W6LOE Chuck Eder. Newly appointed Director KE6MJC Fred Campbell who replaced W3PMP Bob was also present.

Greg stated the meeting was being video taped and there were Auburn Police units patrolling in the library parking lot.

A literature table had been setup and all present were encouraged to browse and take whatever they wanted. All literature was free.

A new green raffle cage was being used for the first time, thanks to W6SUP Bob Metke for his handy work and donation of the cage to the club.

Greg said the meeting was in commemoration for silent key KB2DLE Henry Sparks who passed away this past week. Henry had served as Vice-President this past year.

KE6TEL Gary Cunningham was given high praises for his first net control on Thursday night.

Two antennas were donated one by Quad A and the other by KC6RUO Matt Diridoni for the club garage sale and white elephant

sale. Proceeds to go to the general fund. The Club thanks them for their generosity. The club garage sale will be on March 6, 1997, not March 3rd as indicated in the newsletter.

Greg asked if anyone could help on Saturday morning for about 4 hours. Please contact Greg. If anyone has items to donate please contact any of the officers.

Field day will be June 28 to June 29, 1997. KA6KUT Dave who is in charge of field day is looking for cooks, antennas, and all kinds of help.

Members and guest were introduced, Announcements:

W6SUP Bob Metke VE report - nothing to report. Hospitality K6GKR Jerrie Metke nothing to report. Satellite KO6TH Greg Dolkas gave the satellite report.

ARRL W6RFF Jetti Hill stated the CW DX contest was on this weekend. He also said Little Leo is looking at 146-148mhz. He wants everyone to support ARRL so they can fight this.

KA6KUT Dave made a comment that we should support the newsletter before we support the ARRL. Jettie agreed that the newsletter is what keeps a club going. KC6LIX Jan said that there were 130 copies of the newsletter printed and it cost about a dollar per copy.

Greg said that the editor is trying to keep the news local, rather than from around the country. Greg personally delivered copies to RC Hobbies and Quad A for distribution.

KC6LIX Jan who is also the Amateur Emergency Services Coordinator for Placer

County talked about the recent floods and all those that helped. Jan, Jettie and KE6DJE Wayne Mikel handed out certificates to the member mentioned in the January Newsletter and pictures taken for inclusion in World Radio. Jan handed out SFARC emergency services application forms for those interested in working emergencies.

Greg mentioned the discounts that club members can receive at CompUSA and The Radio Place.

After the break WB6RBE Dave and W6JDT Bill put on a great demonstration of packet radio.

The meeting adjourned at 2130hrs. Respectfully recorded by WA6RWS Richard Kuepper

FIFTEEN TIPS TO PASSING THE FCC AMATEUR RADIO EXAMS By Larry R. Luchi, W7KZE

I have been an amateur radio operator for nine-tenths of my life. I have taught ham radio license classes for the past 12 years and have been an ARRLVE and W5YIVE for the same amount of time. In 1993 my VE team administered more exams than any other.

The following are some tips that I have found helpful over the years of testing candidates for their amateur radio license.

1. There is no need for you to hurry through the exam(s), take your time.
2. Keep a Positive Mental Attitude (PMA). Remember, "if it is to be, it is up to me."
3. The amateur radio exams are multiple choice: two of the answers are wildly incorrect, one is close to the correct answer and one is the correct answer.

4. The Morse Code causes problems for many candidates. Once a candidate took the Morse test holding two number two pencils in his mouth while he used a third. When the pencil he was using broke he was ready with a replacement! Another brought his laptop computer but was too awkward at the keyboard so he switched to a pencil - and passed. Both were taking the 20-WPM test.

5. Read the questions carefully. Often a candidate will miss-read a question and, as a result, choose the wrong answer. Read all four answers before you pick the one you believe to be correct. Sometimes the answer which only seems to be correct is the first one listed.

6. The No-Code Technician test is a two-part exam which includes the 30-question Novice exam (maximum HF PEP output: 200 watts), followed by the 25-question Technician exam (maximum PEP in the HF, VHF and UHF bands is 1500 watts). You can miss eight questions on the Novice exam and six on the Technician.

7. The General Class exam is quite simple; the biggest challenge is the 13 WPM Morse code requirement. Of the 25-question Element 3(B) questions, you can miss 6. Getting 19 answers correct is all you need to pass this element for your General class license.

8. The Advanced exam is the most difficult; it is full of math problems. Happily, there is no Morse Code upgrade involved. This is a 50-question exam. You can miss 13 questions (get 37 correct) and the upgrade to Advanced class is yours.

9. The Extra Class exam is quite easy but, for many, the Morse upgrade to 20 WPM is a problem requiring extra time and patience. Of the 40 questions on Element 4(B) you are allowed 10 incorrect answers and still earn the right to hold the Extra class license which puts you at the top.

10. Volunteer Examiners (VEs) will sometime retain questions that are no longer officially part of the exam. For example, 39 questions have been withdrawn from all question pools in the public domain. If you have questions about

the exam material ask one of the VEs administering the exam. They are there to help you.

11. Arrive at the test site early. Bring two #2 pencils, a black pen for filling out FCC Form 610 and a scientific calculator. Most VEs will not object if your calculator has memory storage for formulas.

12. Be sure you fill out Form 610 correctly. The FCC is unforgiving on this point. I date-stamp 610 forms but others VEs don't. Be sure you indicate the date of the exam in Box 9. Also be sure to indicate your zip code in the proper area. The FCC is fully computerized and uses your zip code for tracking.

13. Relax. Consider a morning exam as a practice run. You can take a different version of the same Element in the afternoon, or at the same session if you need to.

14. Answer all the questions. I frequently have to return answer sheets because one or more questions went unanswered. If you have trouble with a question make a check mark next to it and go back to it later. You may find an answer or a clue in a question further on.

15. Spend at least 20 minutes a day studying. With proper preparation your amateur radio exam can be a pleasant experience, not an agonizing one.

73, Enjoy!

Larry R. Luchi, W7KZE

Luchi's Amateur Radio License Guides

MARSON'S REGULAR - BIG & TALL MEN

PENDLETON - LEVIS - ARROW

TUXEDO RENTAL

RED WING SHOES

BOB OR ED

457 GRASS VALLEY HWY., #2

Auburn, CA 95603

888-8219

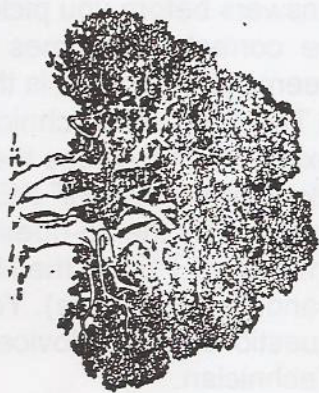
Directions to Auburn-Placer Co. Library
SFARC General Meeting Room
350 Nevada St., Auburn, CA

From Sacramento:

Take 1st exit-Maple St.
go up hill, left over I-80 overpass,
left on Fontage Rd.,
Right on Nevada St.

From Reno:

Take Nevada St. exit.
Look for Library Sign.



The library sits off Nevada St.,
Go down the short street, all the way into
a driveway. There is ample parking spaces
The Beecher Rm. is to the left of the front
doors. The Garden Theater is to the right of
the building.



Sierra Foothills Amateur Radio Club
1222 San Simeon Drive
Roseville, CA 95661-5365
(916) 786-3530

To:

