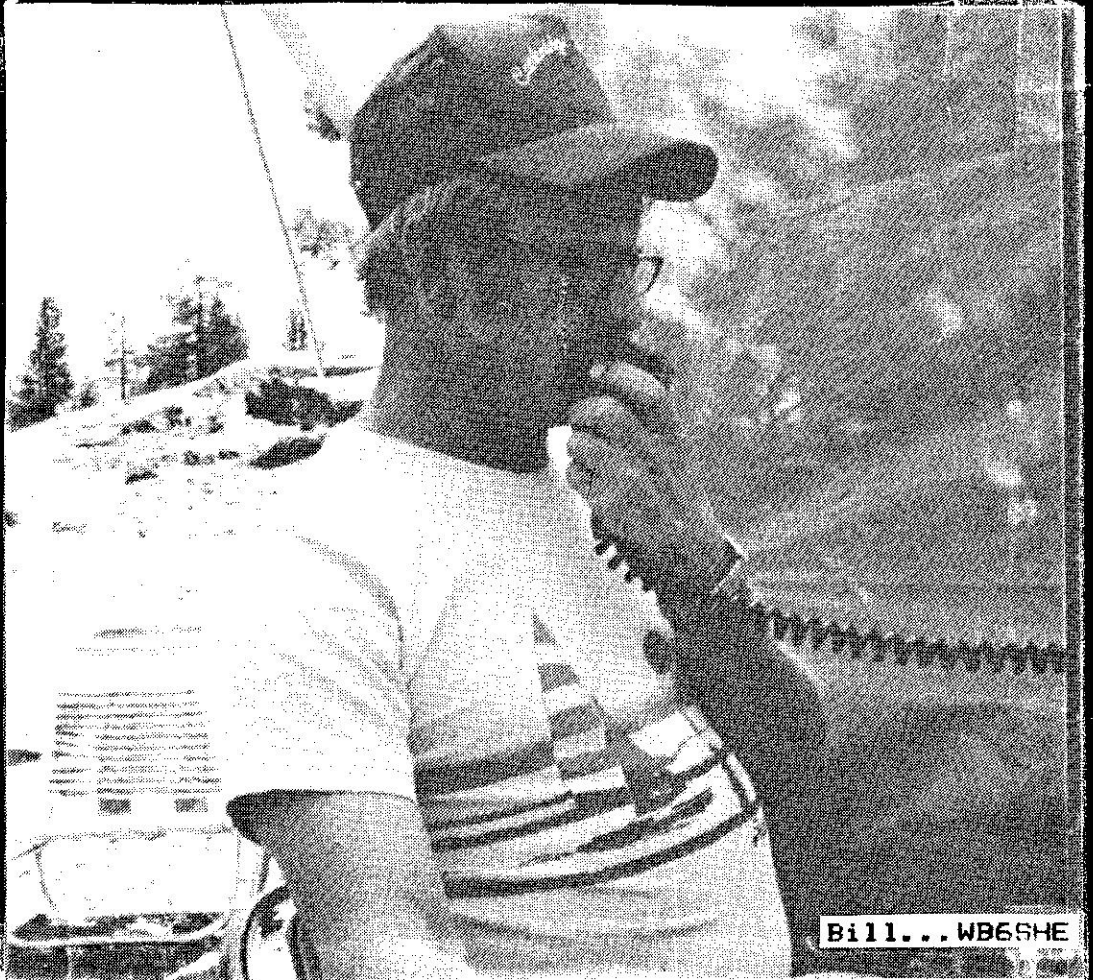




# The READOUT

VOLUME 10 NUMBER 10 OCTOBER 1987



**Stanislaus Amateur Radio Association, Inc.**  
P.O. Box 4601 Modesto, Ca 95352

...THE READOUT FACTS...

READOUT is the official publication of the Stanislaus Amateur Radio Association Inc. "SARA" P.O. Box 4601, Modesto, CA. 95352. Entered as third class mail at the U.S. Post Office Modesto, CA. 95352. Contributions to READOUT are always welcome and may be submitted to the editor, Bob Pinheiro, WA6ZLD at 1221 Mist Flower Ct . Modesto, CA. 95355. SARA owns and operates two F.M. repeaters. 145.39 MHz (-) located on Mt. Dso, 22 miles SW of Modesto at an elevation of 3,370 feet. Our 220 MHz repeater operated on 223.68 MHz (-) and is also located on Mt. Dso at an elevation of 3,500 feet. Both repeaters are equipped with an autopatch for the use of SARA members. SARA owns and operates a Packet Digipeater also located on Mt. Dso at 3,500 feet. Frequency is 145.01 MHz. SARA conducts an informational net on both repeaters each Thursday evening at 800 pm with the exception of holidays. SARA meets the third Tuesday of each month at the Stanislaus County Administration building at the corner of 12th and H streets in downtown Modesto. Meetings begin at 730 pm. SARA is incorporated in the State of California, is an affiliated club of the American Radio Relay League (ARRL) and Stanislaus County RACES. Dues are \$15.00 per annum and \$7.50 for students up to sophomores in college. Dues are pro-rated for newly joining members from the date they join. ARRL memberships and GST renewals may be made through the club with a \$2.00 commission retained by SARA.

PRESIDENT

Denny Dugal.....NG6P.....571-9046

VICE PRESIDENT

Bud Pelletier.....NG6CV.....823-0877

SECRETARY

Laverne Landeros....KB6ECF.....578-5554

TREASURER

Bob Vreugdenhil.....NG6CS.....522-6127

# HAPPENINGS

## Next SARA Meeting

AL BOYDEN, KB6DIV

CRUISING

"THE SEA OF CORTEZ"

730 pm

# BUDGET COPY CENTER

1325 J STREET  
MODESTO, CA 95354  
TELEPHONE 529-5395

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## AREA AMATEURS HELP FIGHT MASSIVE STANISLAUS FOREST FIRE

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For nearly two weeks, area Amateur radio operators provided vital communication assistance to the U.S. Forest Service and the California Department of Forestry in fighting the giant Stanislaus National Forest complex fire. As a result of lightning strikes on August 30th, several fires broke out in the Tuolumne County area which several days later burned together consuming over 120,000 acres of prime timber land in Tuolumne and Mariposa Counties. It took an army of over 13,000 firefighters to bring the fire under control two weeks later. The Sonora 147.945 MHz repeater, W6FEJ/R, was immediately designated the main Amateur communications link with the fire as local area Amateurs marshalled their equipment and quickly set up communications at strategic locations. Stations were set up at the CDF and U.S. Forest Service headquarters in San Andreas and Sonora. More stations were set up at major staging areas including West-side staging area and fire camp at Tuolumne City which was threatened and evacuated.

As evacuations were ordered, authorities opened evacuation centers at the Tuolumne County Fairgrounds and at Sonora High School. Quickly, additional Amateur stations were put on the air at these locations to provide health and welfare (H&W) messages and assist the Red Cross. As the fires grew, so did the commitment of Amateurs and their equipment. Before it was over, more than 100 Amateurs had been pressed into service from as far away as Sacramento, Reno and the San Francisco Bay Area. The majority of the communications were handled by area two meter repeaters with assistance from several packet stations and area digipeaters. The repeaters used in addition to W6FEJ/R included, WB6MFV/R (145.17) on Fowler Peak, WD6EJF/R (145.39) Modesto; W6BXN/R, (147.03) Turlock and W6FBC/R (146.115) at Confidence. Packet digipeaters used included WB6MFV-4 on Bear Mtn. near San Andreas and W6BXN-1 on Fremont Peak near

....See Page 4 .....

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## AREA AMATEURS HELP FIGHT MASSIVE STANISLAUS FOREST FIRE

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... From Page 3 ...

Mariposa. Packet ties were established between the Office of Emergency Services in Sacramento and Fresno. The gigantic task of organizing the Amateur effort was mainly coordinated by Burt Wilcox, W6FGC of Twain Harte who operated for several days with little or no sleep. An outstanding job was done by all Amateurs involved, too many to mention here. However, special credit is deserved by W6FGC and the Amateurs of Tuolumne and Calaveras Coun-

ties who carried the load by themselves for the first several days before outside help could be organized. The entire effort was a shining example of dedication of Amateur Radio to providing emergency communications in times of need which is in the finest tradition of Amateur Radio. To all of those who helped out, give yourselves a well deserved pat on the back for a job WELL DONE!!!

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## " THE NEW WORLD OF AMATEUR RADIO" VIDEO OUTSTANDING

---

The new Amateur Radio video produced by the ARRL is an outstanding production according to those who have seen it. The 38 minute long video is the fifth one produced on Amateur Radio and is called, "The New World of Amateur Radio". It was put together under the guiding hand of Roy Neal, K6DUE, formerly of NBC-TV. The first national showing was on September 20th when the program was fed to the GTE Spacenet 1 satellite. The program is 38 minutes long which includes a 10 minute introduction. It was pro-

duced in full color and stereo sound in a TV magazine type format portraying Amateur Radio. Financial grants were received from Icom, Yaesu and Kenwood to help finance the effort. It's no doubt, the best production ever put together on video tape and will entice new recruits to our hobby. Dan, W6SBE, using his backyard satellite receiving station, taped the original feed and the program will be shown at the November 21st meeting of SARA. DON'T MISS IT.

# THE AMERICAN RADIO RELAY LEAGUE, INC.

## SECTION MANAGER

SAN JOAQUIN VALLEY  
Charles P. McConnell W6DPD

In the recent election for Director and Vice Director in the ARRL Pacific Division the incumbents Rod Stafford, KB6ZV, and Jim Knochenhauer, K6ITL, were the only candidates so they were declared elected to 2 year terms that begin January 1, 1988.

The following schedule for revision of the VEC Question Pools has been announced. Elements 2 and 3A will be revised and new tests will be used starting Nov. 1, 1989. Elements 3B and 4A will be revised and new tests will be used on Nov. 1, 1990. Element 4B will be revised and new tests used beginning Nov. 1, 1988. The new question pools will be released 6 months before the new tests will be used in Amateur exams. *ARRL LETTER V6N17.*

AMSAT-OSCAR 10 should be available for use sometime around November 20, 1987. Because of the low angle of the sun there is not enough illumination to charge the spacecraft's batteries. Listen to W1AW and the AMSAT nets for more information as to when the spacecraft will be available for use in late November or early December. *ARRL LETTER V6 N17.*

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### AMATEUR CALL SIGNS ISSUED BY THE FCC AS OF SEPTEMBER 1ST.

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The following call signs were issued in sequential order by the FCC's Gettysburg, PA. computer as of September 1, 1987.

EXTRA....AA6EB.   ADVANCED...KI6XD.  
GEN/TECH...N6QEO   NOVICE...KB6TSA

All 2-by-1 format call signs have been assigned in the 4th, 5th and 6th call districts. 2-by-2 format call signs from the AA and AL prefix block are now being assigned to Extra Class Amateurs in those districts.

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# *On The Agenda.*

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The September 15, 1987 meeting of SARA was called to order at 7:35 pm by Treasurer Bob, N6OCS. Introduction of guests and members followed. The treasurers report was given by N6OCS. Balance as of this date is \$1,324.99. Expenses included \$140 to WA6ZLO to purchase a new printing head for his printer with which he does the club newsletter. \$44.00 to Budget Copy for printing the newsletter. \$22.00 for stamps. \$22.43 for the telephone on the auto-patch. \$14.41 to NV6S for parts for the 220 machine. Deposits of \$150.07. Under old business, nothing to report on the 220 to 2 meter linking problem. Lynn, KB6DXX, is chairman of the committee looking into the linking problem. Comments received on the San Jose 39 machine indicates their signal appears to be stronger in our area. The interference problem with the 2 meter machine does not appear to be as bad. The paging company causing the problem is

willing to pay half the cost of a notch filter if the problem is determined to not be their fault. N6OCS gave a report on the DxPedition to Alpine County. Alpine was not as rare a County as expected. Dinner-Dance tickets are available and on sale. Contact N6JTD, Lori. JTD motioned for the club to purchase flowers for the center piece at the dinner-dance. No second, motion withdrawn. Motion made and carried to spend \$100 for miscellaneous expenses for the dinner-dance. Under new business, it was announced that new license classes are under way sponsored by SARA. Communications for a bike run on October 11th was discussed. It was mentioned that several SARA members have been getting together for a ragchew on 75 meters (3793) on Saturday evenings at 9 pm. Respectfully submitted by Dottie, N6LRZ for the Secretary.

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Front Page...Bill, WB6SHE operating on 15 meters during the Alpine Co. DxPedition. More photos on Pages 7-8 & 9

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## ALPINE DXPEDITION PHOTOS

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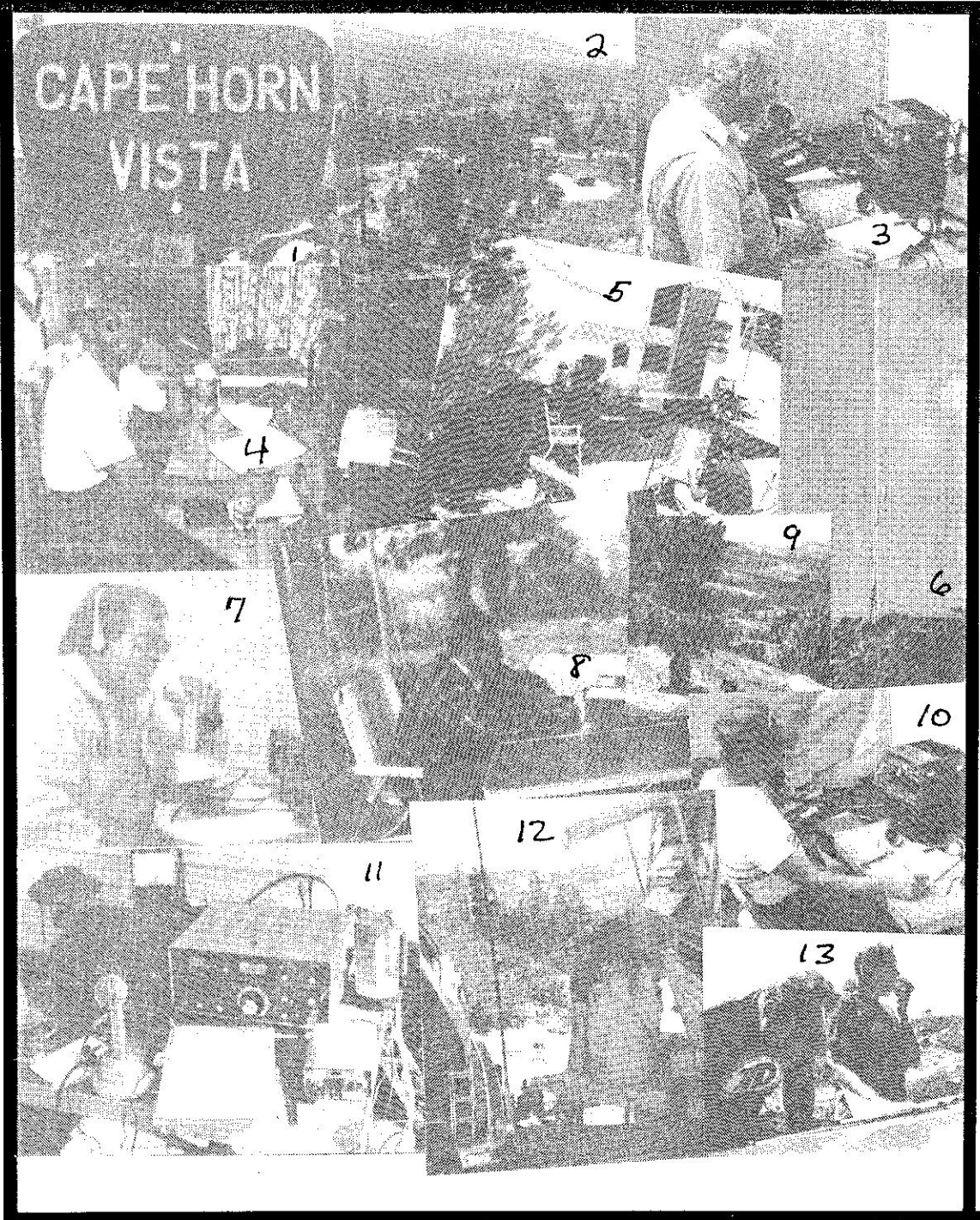
The photos appearing on the next two pages are of the Alpine County DxPediton in August which were taken by Larry, WD6CMI; Bob, WA6ZLO and Bill, WB6SHE. Half-toning done by Gary KJ6Q. We had hoped for a story from the group, but none was received. The photo on the front page was taken during the event and shows Bill Mathies, WB6SHE, making contacts.

(1) Cape Horn Vista marks the spot where the crew set up their camp and station. (2) Looking down on the vista point and the campsite looking East toward Nevada. (3) WA6ZLO calling CQ 15. (4) Dave, N6PDF, operates from his station setup in his camp trailer. (5) Bill, WB6SHE, in the operating position as Laverne, KB6ECF, looks on.

(6) Butternut Vertical guyed to the top of a nearby rocky point. (7) Denny, WG6P, chasing DX. (8) Jim, N6KMR, checks out the signals. (9) Joe, WQ6W, checks out the high Sierra scenery during a break. (10) WB6SHE making contacts.

(11) WD6CMI's FT 101. (12) WG6P checks the propane tanks on his trailer. (13) WB6UJD, Tim, signs in while KB6ECF enjoys her apple. (14) WB6SHE's Yaesu 757. (15) Campsite from nearby point. (16) Rudy, KB6NSE. (17) Mother nature calls N6OCS. (17 1/2) From left to right Bob, N6OCS, Phil, WD0FFX and WG6P, Denny. (17 3/4) WD0FFX's jeep overheats pulling the grade. (18) Joe, WQ6W. (19) Campsite. (20) From left to right, Joe, WQ6W; Bob, N6OCS and Larry, WD6CMI.

(21) Jim, N6KMR and Phil WD0FFX. (22) Scenery. (23) WD6CMI with homebrew two meter beam. (24) Tom, N6LSF visits with Bob, N6OCS. (25) Campsite. (26) More equipment. (27) Tim, WB6UJD and Bob, N6OCS.



CAPE HORN  
VISTA

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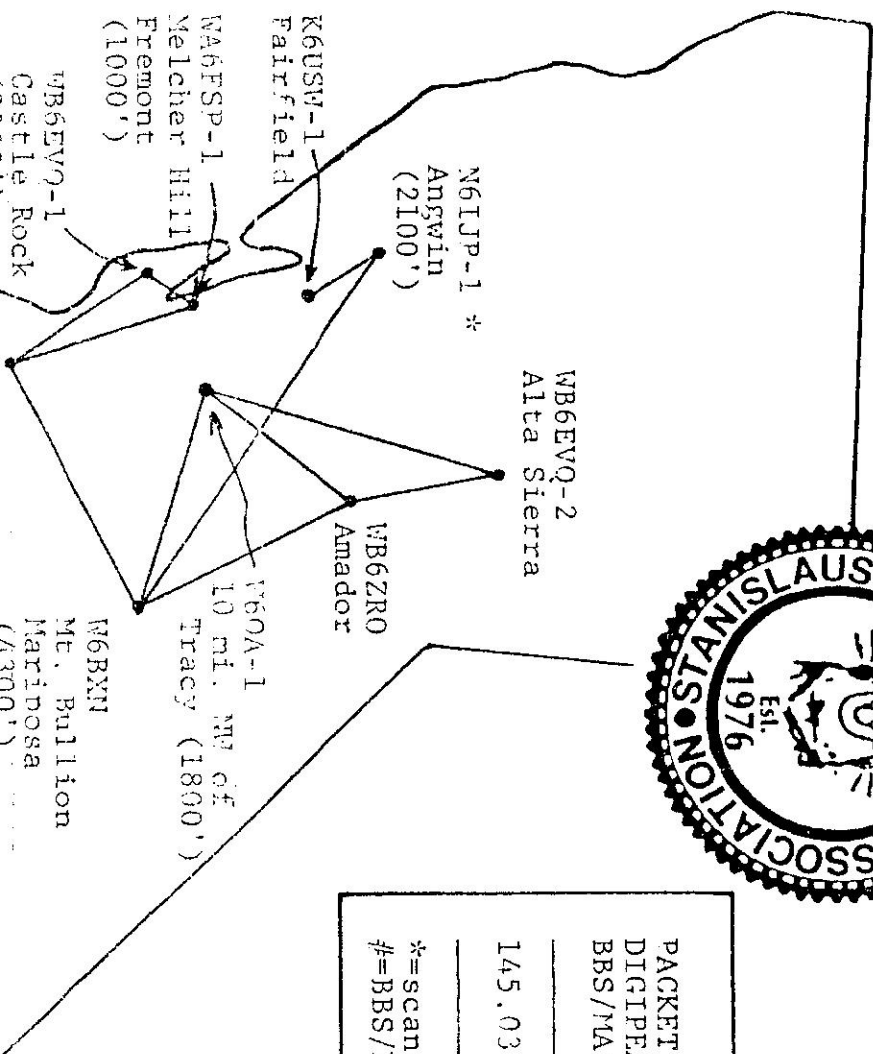
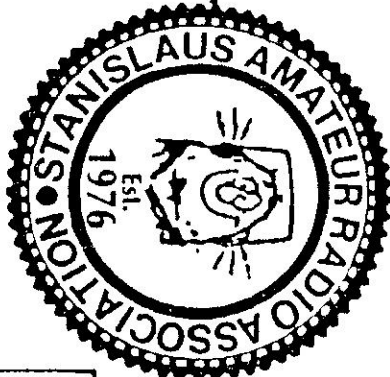
12

11

13



145.03 MHZ PACKET RADIO DIGIPEATERS



PACKET RADIO  
DIGIPEATER AND  
BBS/MAILBOX MAP

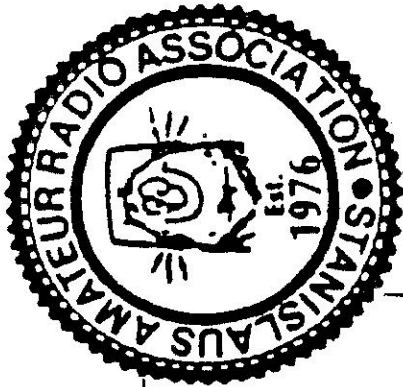
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145.03 MHZ

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\*=scans 144.91 - 145.09  
#=BBS/Mailbox

# AMATEUR RADIO BULLETIN BOARD SYSTEMS IN CALIFORNIA



KE6LF-1  
Eureka  
145.01

WD6BFC\*  
Redding  
• 145.01

VA6NVE-1\*  
North Highlands

145.09

VA6RDH\*  
Dixon

145.01

N2DME\*  
Sacramento

145.07

W6FCC-2

Tyain Harte

145.05

W6PW-3\*

San Francisco

144.99

VA6YHJ-1\*  
Livermore

PACKET RADIO  
BULLETIN BOARD SYSTEMS  
AND MAILBOXES

## ALL FREQUENCIES

\*=Part of Westnet BBS Network - - You may leave a message on any BBS in the network for forwarding to any other BBS in the network.

A-W6CUS-1\*

Richmond

144.97

B-UD6CMU\*

Richmond

145.09

C-N6EEG\*

Berkeley

10.147

D-N6DAM\*

Oakland

144.99

E-N7EQN\*

Redwood City

144.97

F-N6IIU-1\*

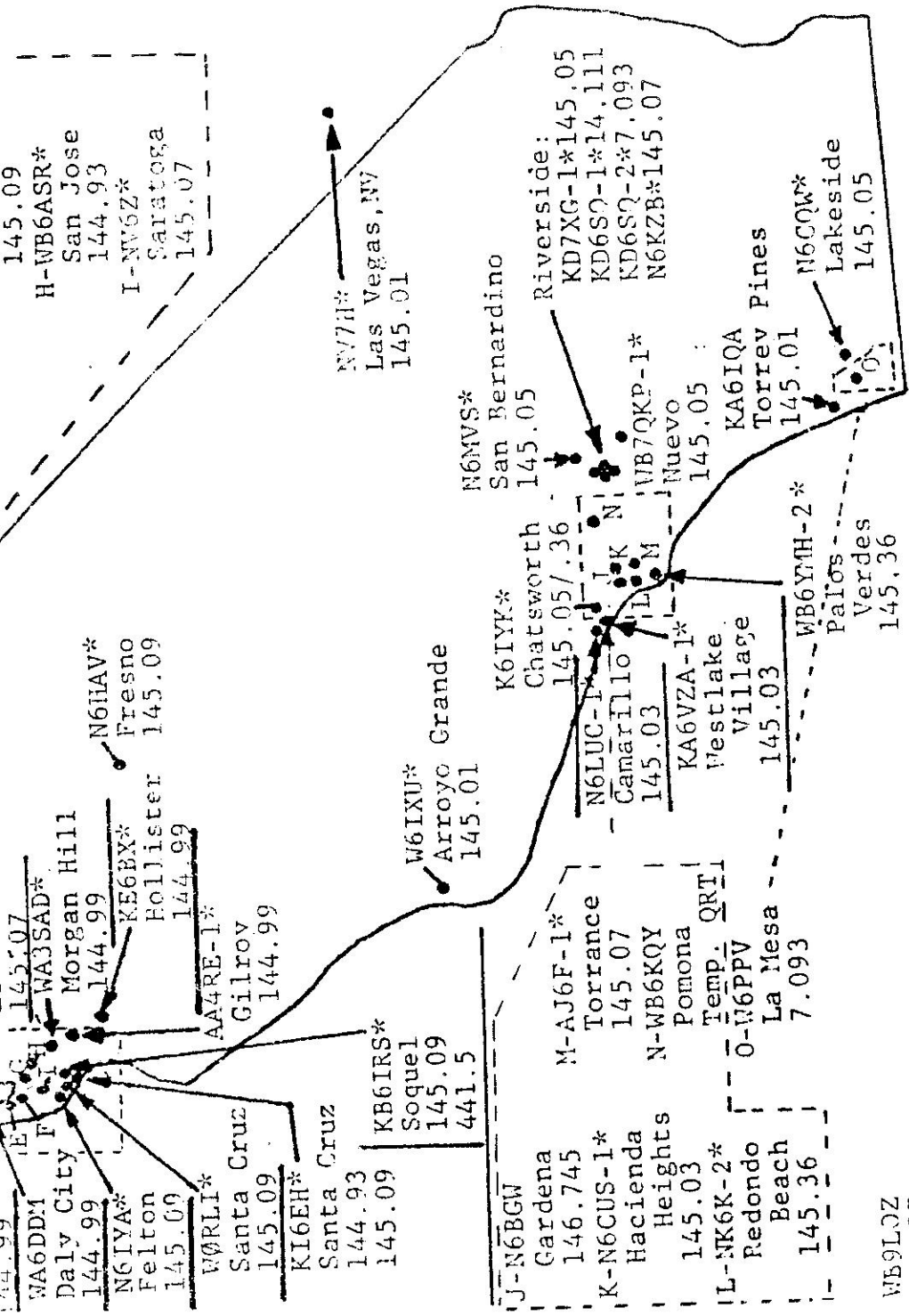
Palo Alto

145.07

G-N4CHV\*

Sunnyvale

144.99



145.09  
H-WB6ASR\*  
San Jose  
144.93  
I-NV6Z\*  
Saratoga  
145.07

NV7H\*  
Las Vegas, NV  
145.01

N6MVS\*  
San Bernardino  
145.05

Riverside:  
KD7XG-1\*145.05  
KD6SQ-1\*14.111  
KD6SQ-2\*7.093  
N6KZB\*145.07

KA6IQA  
Torrey Pines  
145.01  
N6COW\*  
Lakeside  
145.05

N6MVS\*  
San Bernardino  
145.05

K6IYK\*  
Chatsworth  
145.05/.36

WB7QKP-1\*  
Nuevo  
145.05

WB6YTH-2\*  
Palos Verdes  
145.36

N6HAV\*  
Fresno  
145.09

W6IXU\*  
Arroyo Grande  
145.01

K6IYK\*  
Chatsworth  
145.05/.36

N6LUC-1\*  
Camarillo  
145.03

KA6VZA-1\*  
Westlake Village  
145.03

145.07  
WA3SAD\*  
Morgan Hill  
144.99  
KE6BX\*  
Hollister  
144.99  
AA4RE-1\*  
Gilroy  
144.99

W0RLI\*  
Santa Cruz  
145.09  
KI6EH\*  
Santa Cruz  
144.93  
145.09

KB6IRS\*  
Soquel  
145.09  
441.5

J-N6BGW  
Gardena  
146.745

M-AJ6F-1\*  
Torrance  
145.07

N-WB6KQY  
Pomona  
Temp. QRT

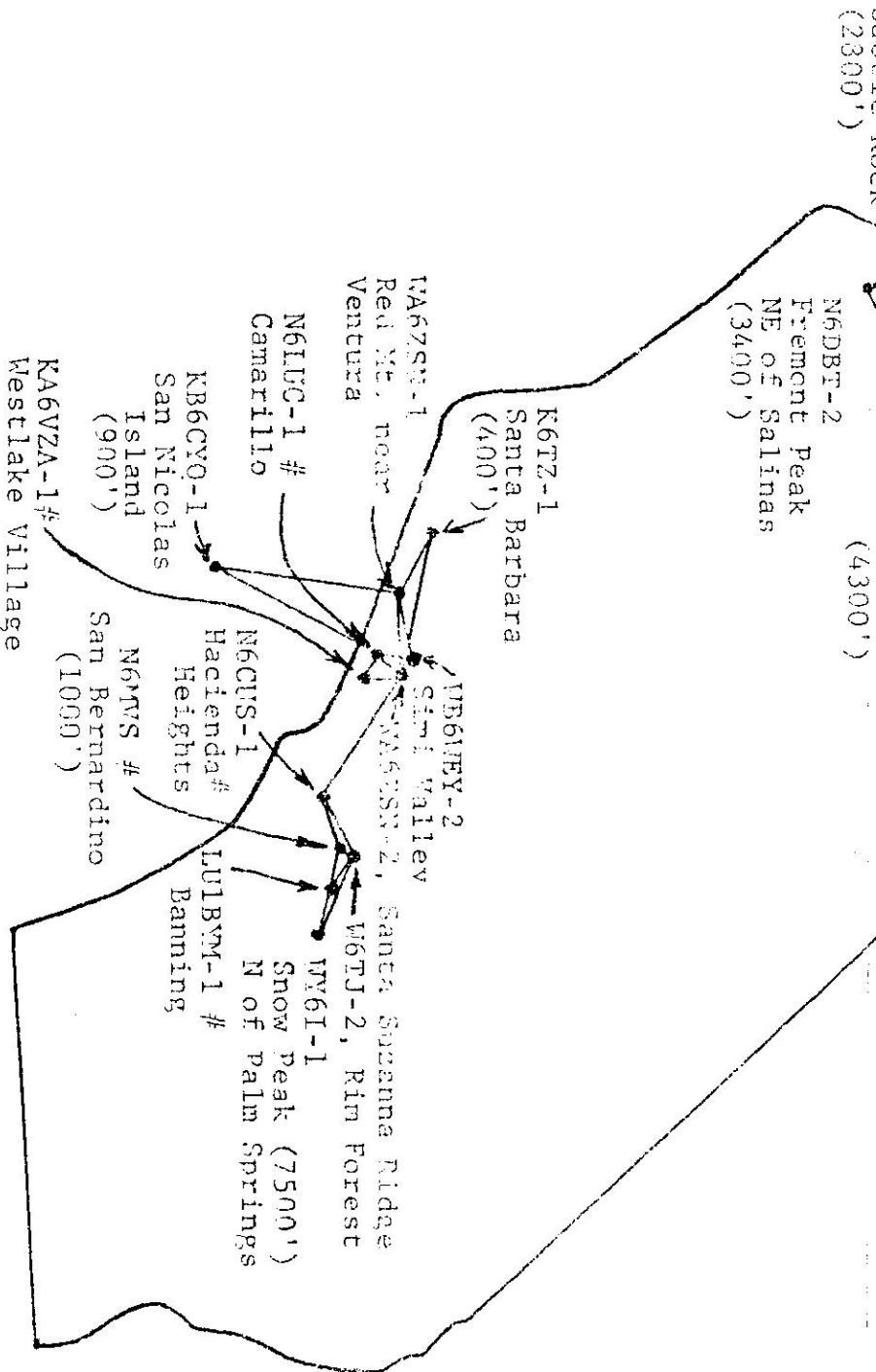
O-W6PPV  
La Mesa  
7.093

K-N6CUS-1\*  
Hacienda Heights  
145.03

L-NK6K-2\*  
Redondo Beach  
145.36

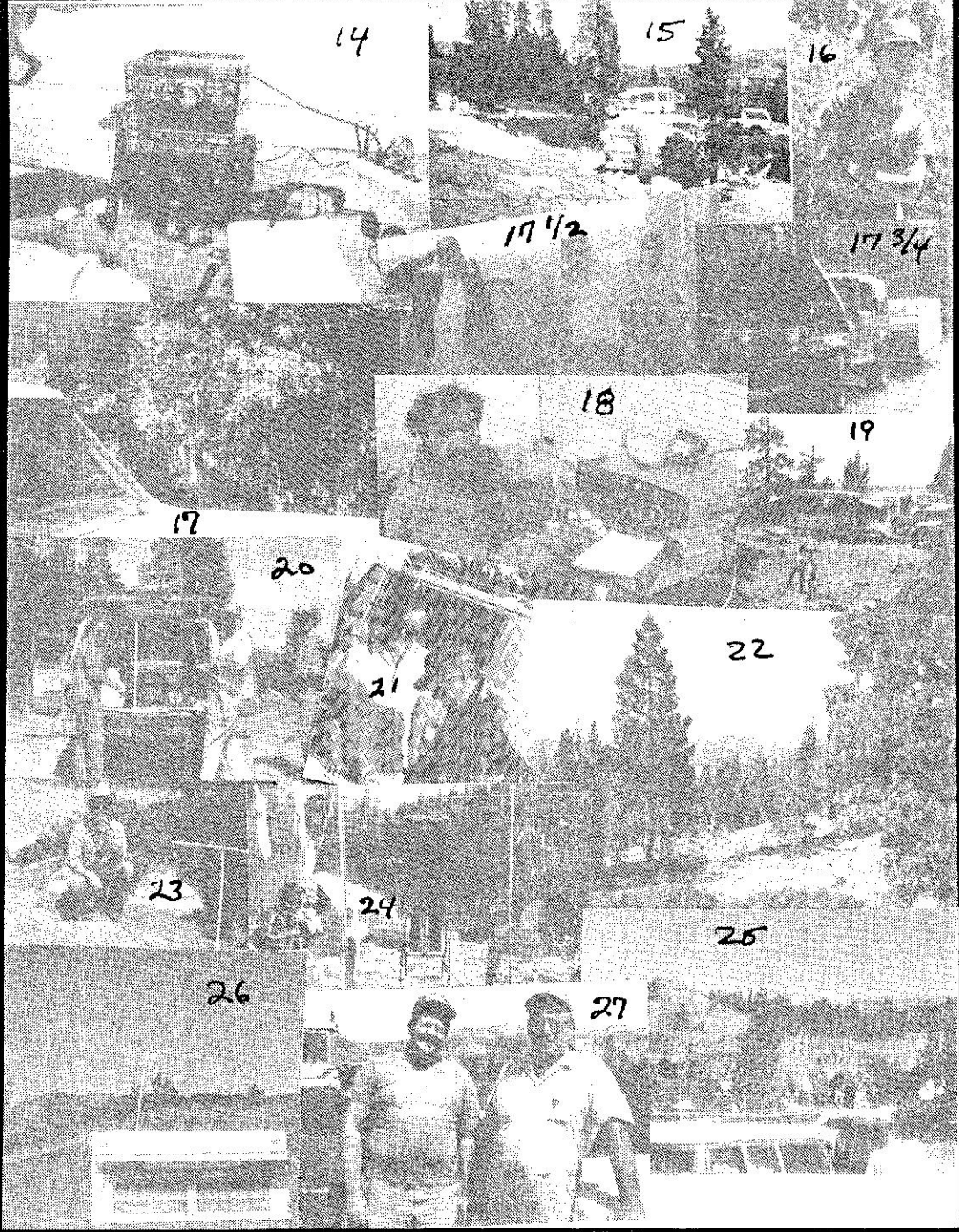
WB9LOZ  
8-1-87

Prepared by WB6LDZ and printed by the San Francisco Amateur Radio Club.



Prepared by WB6LDZ and printed by the San Francisco Amateur  
 Radio Club. Thank You.

W  
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## **Editor's WA6ZLO Notes**

Dan, W6SBE, our TVI Chairman, told me that he received a call from one of our members earlier this month inquiring about how to solve an interference problem with cable channel 18 on the Modesto Post-Newsweek System. Channel 58, KSCH, from Sacramento is converted to channel 18 on the local system. The complaint was that everytime the member keyed up in the 145 to 146 MHz portion of the two meter band it would cause herringbone interference on cable channel 18. Dan said he tried it at his QTH and it did the same thing. (My QTH also.) The reason for this is because the cable company is feeding channel 18 on cable channel E and the frequency of cable channel E is 145.25 MHz. Dan figures that the converter box sitting on top of customers TV's are

picking up the amateur signals on that frequency and causing the problem. Now, how to solve it! Only one way! Get the cable company to abandoned the use of 145.25 (channel E) as one of the frequencies to feed their customers. The other side of this situation is the constant carrier you hear on 145.25 MHz. That's leakage from the same cable system feeding your house. It's against the FCC Rules, but unless they get a lot of complaints the local cable company isn't about to spend the money to prevent the egress. +++ Speaking of Dan, he has a new son-in-law. Brian McNaulty and Dan's daughter Jennifer were married in September. Dan says that he is going to help Brian get his ham license. +++ "Telecasette" is a new satellite delivered home video buying service which will premier on October 15th. Viewers will be able to order and download (tape) home videos by dialing an 800 number. +++ ARRL Pacific Division Director Rod Stafford, KB6ZV, reports in his Fall 1987 newsletter that HQ's has decided now is not a good time to be thinking about building a museum / visitors center at HQ's in Newington, CT. The ARRL Board has established a program for soliciting donations to establish a transmitting facility for W1AW (ARRL Sta-

tion) in the Western U.S. If built, it would serve the Western U.S., Hawaii, the U.S. possessions in the Pacific and Alaska. The ARRL statistics show that the League handles over 50% of the examinations given in the VEC program. Rod puts out a very nice newsletter, unfortunately, we don't have enough room in our newsletter to run it. However, if you would like a copy of it, contact me and I will be glad to send it to you. Don't forget our next VE exams coming up on December 3rd and 5th. The exam on the 3rd will be our first attempt at a night session to accommodate those people who can't, or find it inconvenient to make the usual Saturday session. While on the subject, I would like heap a bunch of praise on the Educational Committee, especially Phil, WD0FFX, all of whom have done an outstanding job. I hope we all realize the important contribution these people and the program make to the club. If you look at the roster you will notice that our membership has grown to 184, which is an all time high, and if you look closer you will see the reason. Graduates from the SARA license classes!!! These classes are a tremendous asset and without the dedication and hard work of the members who donate their

time and expertise, it would not be possible. Also, my hat is off to the VE teams who work through the Education Committee and provide the test sessions on a regular basis to give the students the opportunity to take their examinations. +++ I'm aware of the fact that there were some errors on the membership roster that appeared in the READOUT last month. I'm sorry that they occurred. It got past me as we were in the process of obtaining an entirely new computer system. An old list was used to load the data from the old system to the new one and I simply didn't notice it. I will run a corrected roster hopefully next month. +++ I leave you this month with this little goodie which I found in the Amador County ARC newsletter.

....It seems that two maiden ladies scared to death of men thought all kinds of awful things would happen to them if they got near a man. They even had a female cat they wouldn't let out of the house for the same reason. Finally, one of them ran off and got married and left on her honeymoon. Her old roommate received a telegram from the new bride which read:

"Let out the Cat!"...  
That's it for this month. 73,  
Bob, WA6ZLO

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EDUCATIONAL COMMITTEE REPORT

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By Phil Hartz, WD0FFX

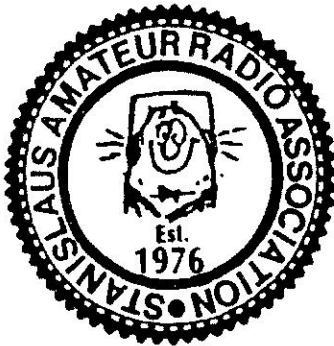
The SARA Education Committee has for a long time attempted to be of service to as many people as possible and meet their individual needs. It is our intent to continue this policy and expand it to it's fullest. Some people are unable to attend sessions, both class and test, for reasons that are personal, job, or religion related. This is most understandable and often regrettable. It poses the question that hopefully we can answer in most respects. First, in the area of instruction, we have a team of people that are highly motivated and talented. In this team are various members who are willing to work with students outside of the class time. These people will be put together to address the Saturday class issue, and set up some study groups in the evenings. This will come about soon and may already be in the works when you read this. If you are interested in finding out more about this, please contact one of the instructors listed below. Second, it has come up again that having a Saturday Exam date can be a problem for many members. For whatever

reason, this should be addressed and corrected. Not necessarily by the member, but certainly by the teams involved. This has been done and hopefully it will answer most problems. The test date of Saturday, December 5, 1987 will remain unchanged. We have a large amount of attendance on those days. What is being added, with the consent of our VE's, is a Thursday evening test session. This one is set for Thursday December 3rd, 1987 at 7 pm. Registration will begin for everyone at 630 pm. As it stands now, we will be looking at having the exams at County Center 3 in Modesto. The room location to be announced. More to come on this subject later. The following is a list of the instructors for the current class.

Larry.....	WD6CMI.....	Turlock
LaVerne...	KB6ECF.....	Modesto
Phil.....	WD0FFX.....	Modesto
Dottie....	N6LRZ.....	Ceres
Bud.....	N6DCV.....	Manteca
Bill.....	WA6DHP.....	Ceres
Roy.....	N6PEB.....	Modesto
Dave.....	N6POF.....	Ripon
Chuck.....	N6PXP.....	Keyes
Whit.....	KI6WB.....	Citrus Heights



**VE Test  
Sponsored by**



**Contact Person  
N6LRZ 537-2785**

**Walkin's OK**

**County Center 3**

>>> DECEMBER 3, 1987 <<<  
(Thursday Night)

630 pm.....20 WPM Code  
700 pm.....13 WPM Code  
730 pm.....5 WPM Code  
800 pm.....Written Tests

-----0-----

>>> DECEMBER 5, 1987 <<<  
(Saturday)

900 am.....20 WPM Code  
930 am.....13 WPM Code  
10 am.....5 WPM Code  
1030 am.....Written Tests

**Modesto**

-----  
VE EXAMS IN NORTHERN CALIFORNIA  
-----

OCT 18 SUNNYVALE-----W-408-255-9000  
OCT 21 EUREKA-----W-707-442-6631  
OCT 25 NAPA-----W-707-224-1530  
NOV 1 CHICO-----P-916-342-1180  
NOV 14 LOS ALTOS HILLS---W-408-255-9000  
NOV 14 JACKSON-----209-296-4771  
NOV 15 SUNNYVALE-----W-408-255-9000  
NOV 18 EUREKA-----W-707-442-6631  
NOV 21 SONORA-----W-209-586-4917  
DEC 3 MODESTO (NIGHT)---W-209-537-2785  
DEC 5 MODESTO-----W-209-537-2785

P=PRE-REGISTER ONLY.  
W=WALK-INS ONLY

-----  
 KB6UAW, LUVERNE DONKER, SILENT KEY AUGUST 29TH  
 -----

It is with regret will record the unexpected death of new SARA member Luverne P. Donker, KB6UAW, who passed away August 29th, 1987 in Modesto. Luverne recently completed a SARA license class and had been awaiting his Novice license. It arrived three weeks after his death. Luverne, 67, died of complications following a heart attack and open heart surgery at Doctors Hospital. He was a retired Agricultural instructor at Modesto Junior College. He was born in South Dakota and lived most of his life in Modesto with his family. He leaves his wife Ruth, two sons and daughters and two grandchildren. Luverne was laid to rest at Lakewood Memorial Cemetery. SARA expresses it's condolences to his family which includes his son-in-law Rick Collins, KB6TTZ.

SARA SILENT KEYS

W6YIN.....	Charles Barnes.....	November	5,	1978	
N6VZ.....	Henry Deeter.....	July	7,	1979	
K6JFS.....	Charlie Mendoza.....	November	13,	1979	69
WB6VUS....	Richard Jensen.....	January	21,	1981	
W6GCL.....	Will McAlpine.....	February		1982	73
KA6GVR....	Norman Goodwin.....	October	2,	1982	61
W6FIQ.....	Bill Dalton.....	December	20,	1982	76
N6BGA.....	Quentin Goodrich.....	March	18,	1983	64
K6AYL.....	Leo Nepote.....	July	12,	1983	60
W6ERE.....	Cliff Price.....	October	5,	1983	69
W6QH.....	Tony White.....	November	28,	1983	78
KB6DVQ....	Stephen Pereira.....	April	2,	1984	66
WB6TUV....	Bill Ponkow.....	July	19,	1984	69
N6HFU.....	Edgar Martin.....	May	14,	1985	69
WB6LSC....	Glen Andrews.....	May	29,	1985	43
N6DXB.....	Joe Parker, Sr.....	January	14,	1986	61
K6PDE.....	Chuck Strobel.....	May	29,	1986	65
K6KQE.....	Bob LeClert.....	July	19,	1986	71
KB6UAW....	Luverne Donker.....	August	29,	1987	67

## A BETTER GROUNDING SYSTEM

Scientists working on an Army Grounding Analysis report have shown that grounding with the standard 6' metal rod, or even several rods in parallel, is often unsafe and more often inadequate for good low-noise communications. They have found that a better ground can be established by stapling a 100' length of standard 1/8" stranded steel wire to the earth every 4' with 6" pegs. A 3 lb. hammer (in lieu of the usually 10 lb sledgehammer used with the ground rod) would be sufficient to drive in the pegs. Tests at all sites in the country show that surface wire to be from 32% to 95% more efficient than the 6' grounding rod.

...de WorldRadio

Thought for the day....

"The person who can smile when things go wrong has thought of someone they can blame it on."

# FLASH!!!

A special program you won't want to miss is scheduled for the November 21, 1987 SARA Meeting. "The New World of Amateur Radio!" video tape will be shown. This will be one of the first showings of this special program. See the story on page 4 and make your plans to attend the meeting.

## MOVING?

Let us know your  
new address

NEW NAME	ADDRESS	CITY	ST.	ZIP	OLD ADDRESS	CITY	ST.	ZIP
-------------	---------	------	-----	-----	----------------	------	-----	-----

MAIL TO:

Stanislaus Amateur Radio  
Association, Inc.  
P.O. Box 4601 Modesto, Ca 95352



# CALENDAR



- Oct. 20, 1987.....SARA Monthly Meeting.....730 pm  
Program: Cruising the Sea of  
Cortez with KB6DIV.
- Nov. 17, 1987.....SARA Monthly Meeting.....730 pm  
Nomination of 1988 officers.  
Program: Video "The New World of  
Amateur Radio"
- Nov. 21, 1987.....VE Test Columbia College..900 am
- Dec. 3, 1987.....SARA VE Test (Night Session)  
County Center 3 630 pm
- Dec. 5, 1987.....SARA VE Test Co. Str. 3...900 am
- Dec. 15, 1987.....SARA Monthly Meeting.....730 pm  
Election of 1988 officers.
- Jan. 19, 1988.....SARA Monthly Meeting.....730 pm
- Feb. 16, 1988.....SARA Monthly Meeting.....730 pm

SARA meets the third Tuesday of each month (except holidays) at the Stanislaus County Administration Building at 12th and H streets in Modesto. The meetings are held in the lower-level conference room starting at 730 pm. Visitors are welcome.

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**Stanislaus Amateur Radio Association, Inc.**  
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