

- The - READOUT



Dec.
1986

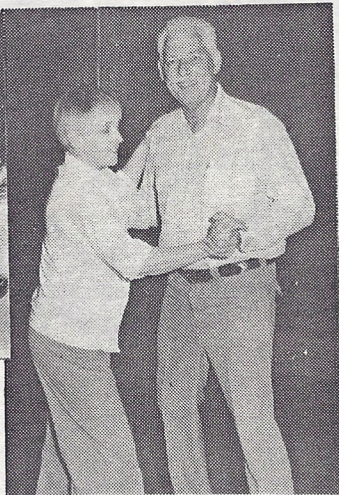
*** Sara Dinner ***



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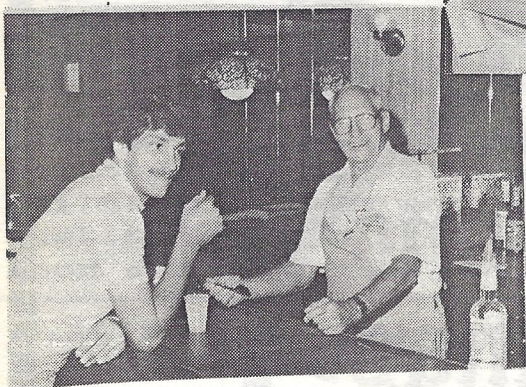
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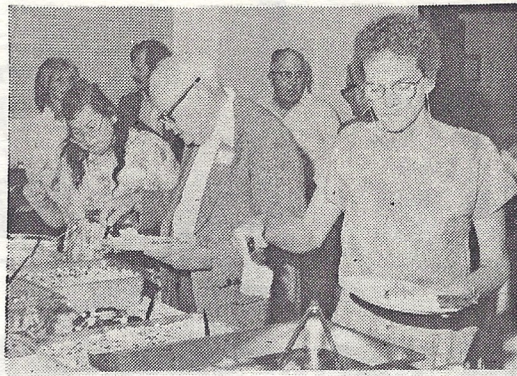
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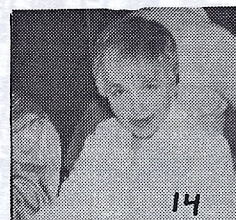
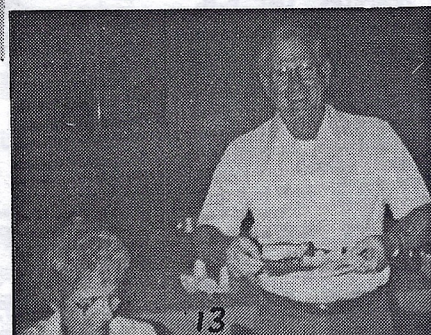
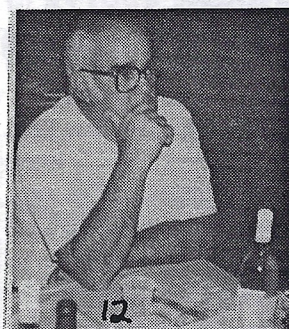
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(1) President Gene, KI6DC. (2) Jim, WA6NSK; Bruce, NK6C and his wife Carolyn. (3) Bill, W6AFS and wife Joyce. (4) Len, WA6FOL and wife Iris. (5) Kevin, N60GN and Lynn, KB6DXX. (6) VP John, KB6OU (seated) and Bruce, NK6C with guitar. (7) Loreen Pelletier; Mary Polhemus and Judy Rong, N6MSB. (8) Jack, N6QD and LaVerne, KB6ECF. (9) Mrs. Terri Dugual; Phyllis Rapp, N6JYP and Mrs. Lorie Faries, N6JTD. (10) W6TWU, Hugh and Jack, N6QD. (11) Bud Pelletier, N6OCV and his wife Loreen. (12) Len, WA6FOL. (13) Mel, WA6OYP and wife Daisy McCoy. (14) Joyce Peitz. (15) Bill, WB6SHE. (16) Terri Dugul; Lynn, KB6DXX; Lorie Faries, N6JTD and Phyllis Rapp, N6JYP. (17) Terri and Denny Dugal, WB6P. Special thanks to N6OCV, KB6DXX and N60GN for taking the pictures and Gary, KJ6Q in Vacaville who half-toned them for reproduction in READOUT.

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EADOUT is the official publication of the STANISLAUS AMATEUR RADIO ASSOCIATION INC. "SARA" P. O. Box 4601 Modesto, CA. 95352. Entered as bulk mail at the post office Modesto, CA. Contributions may be submitted to the editor, Bob Pinheiro, WA6ZLO at 1221 Mist Flower Ct. Modesto, CA. 95355. SARA owns and operates two F.M. repeaters. 145.39 MHz (-) located on Mt. Oso 18 miles SW of Modesto at an elevation of 3,370 feet. Our 220 MHz repeater operates of 223.68 MHz (-) and is also located on Mt. Oso 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. Oso at 3500 feet. The frequency is 145.01 MHz. SARA conducts an informational net on both repeaters each Thursday evening at 730 pm with the exception of holidays. SARA meets the third Tuesday of each month at the Stanislaus County Administration building at the 12th and H streets in downtown Modesto. Meetings begin at 730 pm. SARA is incorporated with the State of California and is an affiliated club of the American Radio Relay League (ARRL) and Stanislaus County RACES. Dues are \$15.00 per annum, \$7.50 for students up to sophomore in college and \$7.50 per year for Associate membership. Dues are pro-rated for newly joining members from the date they join. ARRL membership and QST renewals may be made through SARA with a 2.00 commission retained by SARA.

PRESIDENT

Gene Rong.....N6JRC.....239-9236

VICE PRESIDENT

John Cowman.....K86OU.....527-7258

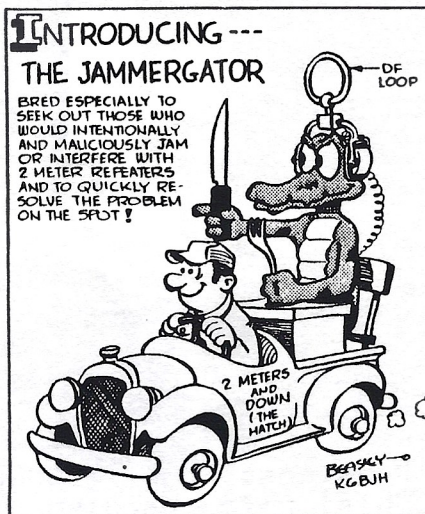
SECRETARY

Laverne Landeros.....K8GECF.....578-5554

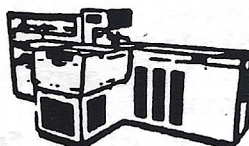
TREASURER

Bob Vreugdenhil.....N6DCS.....523-0141

SARA MEETING
ELECTION OF 1987
OFFICERS
PROGRAM:
AUSTRALIA..
THE LAND DOWN
UNDER!



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STATION LOG

ARRL
affiliated club

The November 18, 1986 meeting was called to order at 731 pm by President Gene, KI6DC. Introductions of 28 members and guests in attendance followed. Minutes of previous meeting read and approved. Treasurers report given by John, KB6DU, for the Treasurer. As of 11-11-86 balance \$1,163.52. Expenses 11-18-86 \$98.55. Balance \$1064.97. Checks on hand for deposit \$28.75. New balance is \$1,093.72 of which \$300.00 was in the educational fund. John also reported that Lynn, KB6DXX, our treasurer, is in excellent spirits and expects to be at the next meeting. Bob, ZLO, requested all material for READOUT reach him ASAP before the 25th because of holiday overload of mail. Question was raised by Louis, WA6K, regarding the legality of SARA requiring license students to send as well as receive code in view of the fact that it was not required by the FCC. Phil, WD0FFX, explained that it was to enhance the education of the student. N6LAB and N6OCS have donated texts and tapes for the current SARA license class. FFX reported

that 30 students attended the first class and all seemed very definite on where they were going. Break at 8 pm! Program presented by Rod Stafford, KB6ZV, Pacific Division Director. Excellent presentation! Business meeting resumed at 907 pm. No more old business. Under new business, the list of candidates for 1987 officers was read. We need nominations from the floor at the December meeting prior to voting for the 1987 officers. FFX will report at the December meeting on efforts of the fund raising committee. Leroy, NV6S, reported on his plan for the next SARA CW contest. Starting date will be 2-1-87. Details to be published in the READOUT at least twice before the starting date. FFX requested a VE exam in February to accommodate the students graduating from the present SARA license class. VE exam date set for February 7, 1987 at 8 am. FFX requested funds to purchase materials for the license class. Motion approved with a cap of \$300. KI6DC sug-

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The year 1986 is just about history. It was a very good year for us (SARA). Our membership continued to grow, ending the year with 183 members. Looking back at the year we began in JANUARY with the election of officers. KI6DC Gene President. KG6OU, John VP. LaVerne, KB6ECF, Secretary and Lynn, KB6DXX as Treasurer. All the bills were paid and we had \$832.03 in the bank. KA6WWT, Randy, got the new year off to a good start taking a bride, Lynn, on December 28, 1985. To begin our 10th year as a club we started mailing the newsletter by bulk mail. Plans were made in January for a field trip to the Voice of America in April. Chet, W6XK came down with blood poisoning as a result of a spider bite. Oakie Clark's wife passed away in her sleep December 20th. N6DXB became a "silent key" at a Stockton hospital. W6FBC reported that he was just about ready to put a packet mailbox on the air at his home in Twain Harte. 21 people took the SARA sponsored VE exams in December. SARA members upgrading were Bud, KB6JHV and Bill, KB6-JHU. The VE team members

were NV6S, WB6P, NW6G and WA6ZLO. The SARA 220 machine was in and out of service because of frequency problems. Joe, N6LSB upgraded to an Extra in Merced on January 25th. Lee, WA6SHV upgraded to Advanced. Sheila, KB6JQE and Jeanne, KB6JQF, upgraded to Technician and General in Los Altos Hills. Gene, N6JRC upgraded to Advanced. In FEBRUARY Bill, KB6JHV was recuperating at his home in Manteca from hip surgery. The W6FBC-2 mailbox came on the air at Twain Harte. W6XK and N6KMR were the proud new owners of Yaseu 757 low band rigs. WD6EYX Paul was named the Ceres Chamber of Commerce "Man of the Year". Doug Cron, KB6-CCX was commended by the Modesto Police Dept. for helping catch a purse snatcher. SARA member V. Dale Brooks, W6DUZ, of Fairfield became the first SARA "silent key" for the year when he passed away on February 18th. Cliff, WA6EWR's wife passed away on February 18. She was 68. In MARCH the SARA digipeater went on the from Mt. Dso operating on 145.01. The

installation and setup done by Mike, W6VY. A strong case of interference to the SARA 2 meter repeater was traced to a business band radio on Joaquin Ridge near Coalinga. Marilyn, NQ6H and Joe, N6LSB were recovering from recent surgeries. The March meeting program was a tour of the Sainte Broadcasting transmitter building plant on Carpenter Road. In APRIL, 43 members and guests made the trip to the VOA in Delano. WJ60 Tom, and his wife left April 30th for a visit to Japan where he operated as 7J1ABS. Bruce, KB6DYA, accepted a new job with the City of San Francisco as a power house operator at Moccassin Dam. Condolences were sent to Lewis, KA6ZSM on the death of his wife. Best wishes went out to Wilma, WB6ISA, who broke her foot and Gene, KI6DC who injured his back in a fall. W6FGC made an emergency trip to Oklahoma because of the illness of his mother-in-law. Captain Midnight jammed the HBO satellite and was being sought by the Fed's. In MAY Canadian ham Jack Ravenscroft, VE3SR, lost his court battle over RF interference to his neighbor's appliances. The program for the month at the SARA meeting was on raising pheasants

presented by Stockton's Delta College. K6SJV, Oakie and Dick, N6MOK sold their homes and were making plans to move to Oregon. Lynn, KB6DXX and Phil, WD0FFX were busy with the latest SARA license class. K6PDE, Chuck, died in surgery at a Stockton hospital. In JUNE the club's summer picnic was held in Graceada Park. Our membership grew to 178 with the addition of Harley Lee, WA6GKS. N6ICM was congratulated on his recent marriage and a note was received from N6MOK letting us know that he was settling into his new Roseburg, Oregon home. In JULY our membership rose to 179 with the addition of KB6MYB and K66-TG. Bob, K6KQE, died in his sleep in Tracy. The program for the monthly meeting was presented by Mrs. Bunnie Rader on Alaska. In AUGUST Shorty, K9YBM, and Ed, WB6V both spent time in local hospitals. Cliff K66QX reported on his successful fishing trip in Oregon. Eric, W6HOG applied for a patent on a new mobile telephone designed for use by wheelchair bound people. Oakie, K6SJV moved to Oregon. Chet, W6XK reported that 11 people took the SARA sponsored VE test in July. In SEPTEMBER plans were

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(From page 7)

being firmed up for the SARA dinner-dance with KB6VI the chairman. W6XK reported on his trip to the World's Fair in Vancouver. Patrick Sherrill, N5P5, went berserk in the Edmond, Oklahoma post office and killed 14 of his fellow employees before turning the gun on himself. In OCTOBER a good time was had by all at the 9th annual SARA dinner-dance at the Sylvan Clubhouse. N3ELB moved to Lutherville, Maryland. KB6DXX reported the club in good financial condition with nearly \$1500 in the bank with all bills paid. In NOVEMBER the latest SARA license classes got underway at County Center #3. WA6OYF's dad died. Dave, WU6I became the 183rd member of the club for 1986. W6AFS was appointed to find a slate of candidates for 1987 officers. The program for the monthly meeting was presented by the ARRL Pacific Director, KB6ZV.

In DECEMBER our Treasurer Lynn suffered a heart attack and spent a few days in Doctors hospital. The ARRL Pacific Division Director, Rod Stafford, was scheduled to speak to the club. All in all, our 10th year as a club was a very good one. Let's keep it that way!

RF DEATH SUIT

The family of a Sacramento man who worked on military radios has filed a wrongful death suit against the companies that manufactured the radios, charging exposure to RF caused the tumor on his tongue that eventually led to his death in 1985 from cancer. He had worked on the equipment for 12 years. The suit alleges the manufacturers were negligent in providing proper protection from the prolonged effects of RF radiations.

SONORA V.E. EXAM

Examinations for all classes of Amateur Radio Operator licenses will be given on Saturday Dec. 13, 1986 at the California Division of Forestry (CDF) #2 Forest Rd. Sonora Ca. 95370. Walk-in exams will be given on a first come first serve basis. Send a FCC form 610, present a photocopy of your license and send a check for \$4.25 payable to ARRL-VEC to: Jim Clark (WA6NSK) PO Box 3555 Sonora, Ca 95370

...de W6FGC-2 Packet MMB

This & That

>>> COMMENT PERIOD EXTENDED FOR ATIS: The FCC has extended the comment period for both the Notice of Inquiry (NOI), and the Notice of Proposed Rule Making (NPRM) sections of their Automatic Transmitter Identification System, Docket No. 86-337. The comment period for the Notice of Inquiry, the section in which Amateur Radio is specifically mentioned, has been extended 90 days to January 19, 1987. ATIS is a unique, unchangeable identifying number assigned to each transmitter at the time of manufacture. This signature automatically is added during transmissions providing positive identification of the signal. Obviously, ATIS is not practical in the Amateur Radio Service where equipment frequently is bought and sold, making it difficult and expensive to keep track of each transmitter. The ARRL will shortly file comments strongly opposing ATIS.

>>> CAP RULE CHANGES: At the request of the Civil Air Patrol (CAP), the FCC has issued an order providing

for 150 watts and for SSB operation on 26.620 MHz, a frequency allocated to CAP. The present rules allow only for AM operation with 5 watts output. The CAP requested the changes because of its need to improve intermediate range communications support for their search-and-rescue operations. The Commission said it approved the change since only the CAP was assigned this frequency, and that any resulting interference would impact only upon CAP stations and would be within their capability to control.

>>> TAPR TO OFFER MODE JD MODEM: According to Tom Clark, W3IWI, TAPR (Tucson Amateur Packet Radio) will soon offer a modem kit for use with FD-12, Mode JD. The unit will feature a Manchester FSK modulator for Mode JD uplink and a PSK demodulator for the downlink. In addition, it will also include a PSK modulator. The unit is designed to work with the TAPR TNC 1 and TNC 2 as well as several of the TAPR clones.

.....de ARRL Newsletter

YES!

☒ RENEW!

Your SARA membership expires this month!

It's that time of the year again, time to keep ye ole ship afloat by paying your membership dues. Everyone's membership expires on January 1, 1987. Membership dues are virtually our only source of income. They pay the bills!! A club is just like a small business and we too have bills to pay each month. Some of the bills include maintenance of the club's equipment including the two repeaters, the digipeater, the autopatch and the monthly telephone line charge. Rental fees for the 220 repeater vault and our biggest expense, the publishing and mailing of the club's newsletter. If we hope to continue to take advantage of the bulk mailing rates (12.5 cents per copy) that we have enjoyed this past year, we must renew PROMPTLY. Remember, in order to qualify for the bulk mailing rate we must mail a minimum of 200 copies each month. So, please don't procrastinate, send in your checks right now while it's on your mind. Please clip off the renewal form at the bottom of this page and send it in with your check. Make your checks payable to SARA. Please don't forget the RENEWAL FORM. Thank you!

DUES: Full membership.....\$15.00
Student to sophomore in college.....\$7.50
Family: Head of household.....\$15.00
Each additional member of family.....\$7.50

Make your check or money order payable to SARA and mail to the post office box listed below.

MEMBERSHIP APPLICATION

Cut and detach

Name _____ Date _____
Call _____

Address _____ MEMBER OF ARRL? _____

City _____ Zip _____ Home Phone _____

Bus. Address _____ Bus. Phone _____

Occupation _____ Date of Birth _____

Class of License _____ Year First Licensed _____

FOR OFFICIAL USE ONLY:

Membership year (19)

Entered Roster ()

Treasurer ()

Welcome/Autopatch letter sent: ()

Entered Mail List ()

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

This & That

>>> FCC PRB CHIEF FOOSANER RESIGNS: FCC Private Radio Bureau (PRB) chief Bob Foosaner has resigned to take a position in a private communications law firm. As chief of PRB, Foosaner had rulemaking responsibility for many radio services, including the Amateur Radio Service.

>>> FCC LICENSING FIGURES: The FCC amateur licensing figures for fiscal year 1986 (October 1985 through September 1986) are out. They show an increase in licenses of 8,495 over one year ago. This is a 2.1% rate of annual increase. By license class, the figures (with comparison to a year ago) are:

	9-30-86	9-30-85
Novice	79,107	76,337
Tech.	86,148	83,117
General	116,864	117,340
Advan.	98,195	97,825
Extra	40,768	37,968

Total	421,082	412,587

There were 20,979 new licensees entering the Amateur Radio Service during this fiscal year compared to 17,373 during the previous year. During fiscal year 19-

85, 1,460 of the newcomers went directly to a Technician or higher license, and bypassed the Novice stage; during the fiscal year just ended the figure was 1,832. Thus, there is a slight trend toward entry at the Technician or higher level, but it still constitutes less than 9% of the newcomers.

>>> AD-10 HEADING FOR THE LAST ROUNDUP: The rate of memory cell failure has reached a very high level with dozens of additional locations failing daily. It now is certain that AD-10 is lost for the present. The only slim hope is that certain poorly understood effects in the IHU memory will reverse the course of the memory deterioration and that control can be regained when sun angles recharge the batteries later this winter. Also, "Air and Space," a brand new magazine published by the Smithsonian, will report on OSCARs in an upcoming edition. The article is based on extensive interviews with experienced AMSAT officials such as Dick Daniels, W4PUJ, and Jim McKim, W0CY.

.....de ARRL Newsletter

After 36 years of membership in the ARRL, I finally made my maiden voyage to the ARRL Headquarters in Newington, CT. Believe me, it was not what I expected. Over the years, I had developed an image of the Headquarters staff and the facilities that was not completely accurate. Should any other members suffer from the same elusions, let me put them aside for you. (1) ARRL Headquarters is staffed with a bunch of hams, sitting on high stools with green eyeshades, trying to figure out contest scores and budgets; madly putting little things together to use for an article; cutting and pasting the Handbook, QST and other publications on kitchen tables and all the time trying to figure out how to get some air time on the super station, WIAW. WRONG! The Headquarters staff, from the warehouse shipping clerks to the Executive Vice-President are very professional and specialists in their jobs with great dedication to the League and Amateur radio. The green eyeshades, if they ever existed, have given way

to computer terminals which permit total recall of any article and illustration with the ability to change the size, shape and layout, make hard copies to permit instant printing, and then transmit the entire piece, including photos, to the printer in Kentucky. The Publications department is as modern as any commercial publisher and is now using the 'just in time' inventory system. This means no more over-runs of time-dated publications with a major saving in cost and handling. Gone are the scissors and india ink along with the jars of paste that messed up the kitchen tables. The financial management is now completely computerized with electronic transfer of funds in order to take advantage of daily fluctuations in the money markets and thus ensure the highest possible return on League money. The laboratory is as well equipped as any major RF commercial lab and is staffed by an outstanding group of innovative hams who are always

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FIRST TRIP TO NEWINGTON de K6ITL

(From page 13)

on the lookout for new and exciting items that can or could be used by Amateurs.

(2) The Hiram Percy Maxim Memorial Station, W1AW, is located in a magnificent brick building out in the middle of nowhere and is equipped with the very latest equipment with super antenna systems. WRONG! The W1AW building is a traditional brick Cape Cod style but is located right in the middle of a residential area. The equipment is comparable to the average ham's equipment, adequate but, not the latest or most expensive. The central operating position, which serves as the master control point for code practice and bulletins, overlooks two other operating positions for casual use and a bank of relay racks with the amplifiers for simultaneous transmissions. The antenna system consists of a 120' tower with fixed beams for 20 and 40 meters and a 6 element 20 meter monoband yagi and a 90' tower with 10 and 15 meter monobanders. Various VHF and UHF beams are mounted on both towers. SUPER? Hardly, although most of us

would like to have it. Chuck Bender, W1WPR, the station manager and very hospitable to those who drop in. The biggest disappointment of my visit was the ARRL Museum. This is but a small area in the anteroom of the main building and consists of, for the most part, equipment which seems to pre-date World War II. It obviously is in need of a curator and additional space and equipment to show the progress of Amateur radio since 1945. (3) The ARRL Board of Directors consists of a bunch of 'tired old men' who rubberstamp anything the Headquarters staff wants and seldom enters into the management of the affairs of the League. WRONG! Having attended the July Board meeting and several of the committee meetings which take place during the week of the Board meeting, I now have a great deal of respect for the high level of concern and involvement that the Board has for the operation of the League. I, too, have read the minutes of the Board meetings in QST and wondered what all the

fuss was about. Each members of the Board has put in a great deal of time and effort to prepare for the meeting. Countless hours of committee meetings were held and their findings presented for the consideration of the whole Board. These are not trivial matters. They can, and probably will, affect all of Amateur radio in the future. Each member of the Board has specific responsibilities and must be prepared to give a full report to the Board. While some motions are advisory in nature, they all direct the Headquarters staff to accomplish something or limit what staff can do in a particular matter. In summary, then, many of the images that we on the west coast may have of the Headquarters operations have turned out to be erroneous in my view. The Board of Directors consists of very able people who have been elected to represent the ARRL members in their Divisions. It is my impression that they do that very well. They can and do make a difference IF you tell them what you want to see done.

.....de K6ITL,
Jim Knochenhauer, Vice
Director, ARRL Pacific
Division, San Mateo, CA.

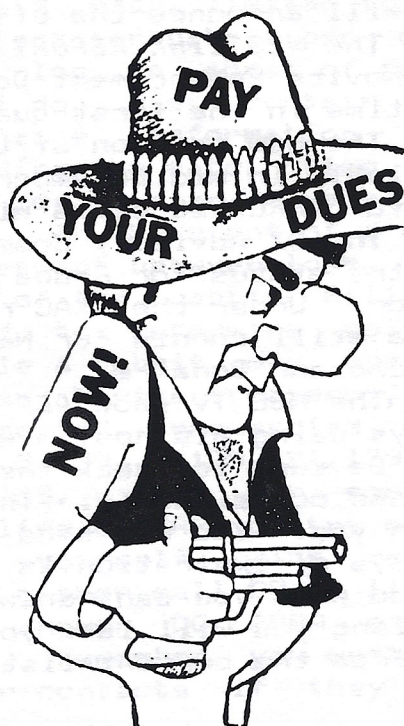
-- V.E. EXAMS --

DEC. 13TH. SONORA

Contact: WA6NSK
P.O. Box 3555
Sonora, CA. 95370

FEB. 7, MODESTO

Contact: KI6DC
326 Dana Ct.
Manteca, CA. 95336



..... PLEASE

THE AMERICAN RADIO RELAY LEAGUE, INC.

SECTION MANAGER

SAN JOAQUIN VALLEY

Charles P. McConnell W6DPD

The FCC has announced that effective December 31, 1986, Volunteer Examiner Coordinators (VECs) to maintain the question pools for each Amateur examination element. This is in Docket 85 196. The Happenings column in the October QST has a complete listing of the new rules.

The Report and Order in Docket 86 63 allowing examination credit for written elements passed above the Novice class will take effect when the Office of Management and Budget (OMB) approves the necessary revisions to FCC Form 610. The tentative effective date is December 15, 1986, but the OMB may NOT approve the changes to the 610 Form until early 1987. W1AW, THE ARRL LETTER and QST will announce the effective date when it is known.

The *NESTLINK REPORT* says the Report and Order in the Novice Enhancement Docket may not be ready until sometime in the first quarter of 1987.

The new edition of the *NET DIRECTORY* should be available in mid December. Starting January 1, 1987, the fee for ARRL/VEC exams will be \$4.35.

The DX Advisory Committee (DXAC) vote on the separate country status for Aruba ended in a tie thus defeating the motion. Under the DXAC rules a tie vote defeats a motion. Aruba still counts for Netherlands Antilles along with Curacao and Bonaire.

The NBC TV show *ALF* on Mondays shows that Alf enjoys using his host's Amateur Radio station.

Be sure to check the expiration date on your Amateur license occasionally. These dates have a habit of sneaking up on you. You can send in a renewal at any time but within 60 days of expiration is recommended. There is a grace period when you can renew without a retest, but if you wait too long you will lose your callsign and be assigned a new one from the current list in use for your license class.

SINCE 1914 - OF, BY AND FOR THE RADIO AMATEUR

SARA CW RABBIT CONTEST STARTS FEBRUARY 1ST.

The latest club sponsored CW contest is set for February 1 through February 28, 1987. This contest will feature so-called "rabbits" to make the contest more fun. The object of the contest will be to find the rabbit, or rabbits, and make the proper exchange. The rabbits will be a designated SARA members who have been specially chosen. There may be one or more rabbits operating at any given time on any Novice frequency. A rabbit will receive no points in the contest while operating as a rabbit, however, he/she may take part in the contest when they are not being rabbits. The rabbits will be chosen from volunteers. The rabbit will not identify him/herself as a rabbit. You must ask during each of your CW contacts if he/she is a designated rabbit. Arranging contacts via phone or any other mode, except CW, is prohibited. Individual operators may disclose the frequency of a rabbit, however, the rabbit may change frequencies at will. The required exchange information will include the RST report, the QTH and the number of the

contact. Five points will be awarded for each contact with a rabbit limited to one contact per rabbit, per day, per band. If you work the same rabbit on more than one band you will receive five points times the number of bands worked for the first contact on each band. This will continue until you have worked him/her on all four Novice bands. Additional contacts with the same rabbit will be worth five points each, limited to one contact per rabbit per day. The log, a sheet of paper will do, must contain the exchange information including the date, time and the call sign of the rabbit. In the event of a disagreement between logs, the log of the rabbit will be used to determine points. While a rabbit may operate on any Novice frequency, the suggested frequencies will be 3.739, 7.139, 21.139 and 28.139. Look for someone calling CQ SARA or try calling yourself. The rabbit may either call CQ or listen and answer CQ SARA calls, but, remember, you must ask your contacts if they are

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Editor's WA6ZLO Notes

As we draw the curtain on the year 1986, I want to take this opportunity to thank all of those that have contributed to READOUT during the past year. I especially want to thank Gary, KJ6Q in Vacaville who helped us upgrade the newsletter with photos. In order to print photos they have to go through a process called half-toning which breaks up the photos into minute dots so they can be reproduced. Gary does this for us at no charge. Also, a special thank you to all those who have taken photos and submitted them. Especially Bud, N6DCV, who is a first class photographer. All the photos appearing on page 2 on this issue were shot by Bud. The Voice of America photos likewise were taken by Bud. So, the next time you hear these two members

on the air, join me in thanking them for their unselfish contributions to the club and our newsletter. A special thank you to Dakie Clark, K6SJV and Lynn, KB6-DXX who have been a regular contributors. Here's the list of other contributors. N6LSA, W6XK, WB0FFX, WJ60, WB6P, W6FBC, KB6OU, KH6DXX, W6DPP, WA6GKS, W5YI, KB6ECF, KA6WBY, KA6WWT, WA6CYR, K6-YII, W6SBE, W6DSM, KI6DC, KI6AB, W6HOG, N3ELB, W56Q, N6NMF, N6NNM, NV6S, W6AFS, W6AJU, KB6ZV, KB6CCL, N6EKV, WD6FVQ, KL7GHT, K6UVI and N6WC. Thanks all of you, it would have been difficult without your contributions. +++ Congrat's to Marion, KB6-NMF who upgraded to a Technician and John, N6KKV who upgraded to an Advanced at our last VE Exam. +++ Eric, W6HOG sent me a schematic for a low power laboratory power supply that he designed himself. Output voltages are +0-10v, +12v, +5v, -0-10 v, -12v, and -5v. If you would like a copy please send me an SASE. +++ Ed, WB6V, had additoinal back surgery recently. He is recovering at home. +++ Re the story on KB6DXX's heart attack last month, he was the Treasurer, not the Secretary as we erroneously mentioned. +++ The W6ZFN-1 digipeater

located on Joaquin Ridge near Coalinga has moved from 145.03 to 145.01 MHz. This is the same frequency of the SARA digi on Mt. Oso. This gives us a good hop to the south. +++ VE7EXPD made 12,594 contacts from the Vancouver World Fair this year. 3627 Amateurs visited the station. +++ At our club meeting on December 16, Mike Ebeling, son of KB6JHV, and his wife will speak on the land down under, Australia. Mike is married to an Aussie and Mrs. Ebeling will be on hand to help Mike out. Speaking of Australia, if you get a chance, go see the movie Crocodile Dundee. Portions were shot in the out back of Australia. It's a comedy/love story that you will thoroughly enjoy. It's the current box office smash at the movies. +++Don't forget to send in your dues this month, next month for sure. Everyone's membership expire on January 1, 1987. Remember, we need to keep our membership up to take advantage of the bulk mailing rate. +++ That's it, have a nice Christmas. 73, Bob, WA6ZLO

The deadline for copy appearing in READOUT is the 25th of the preceeding month.

NOVEMBER MINUTES

(From page 5)

gested we elect Bob, N6DCS, to the job of Treasurer for the remainder of 1986 because of the illness of Lynn, KB6DXX. Section IV (b) of the bylaws allows for a special election to fill an officers position if the officer has died, resigns or due to illness is unable to carry out his duties. Motion by W6AFS, seconded by WA6ZLO and unanimously approved. Bud, N6OCV will take photos of the 1987 officers for the READOUT. Respectfully submitted by SARA Secretary, LaVerne, KB6ECF.

SARA CW CONTEST

(From page 17)

rabbits. Certificates will be awarded to those receiving 100 or more points. A special certificate will be awarded to the top three scores and to the rabbit making the most contacts. The contest begins at 1200 noon local time on 2-1-86 and ends at midnight on 2-28-86. If you have any questions, please contact me at 523-4727 evenings.

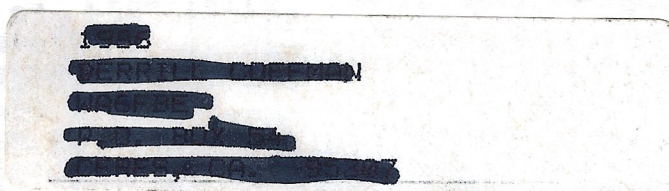
...de, Leroy, NV6S.

CALENDAR

Nov.	18,	1986...	SARA Monthly meeting 730 p.m. Program: Rod Stafford, KB6ZV Pacific Division ARRL Director.
Dec.	13,	1986...	VE Examinations - Sonora
Dec.	16,	1986...	SARA Monthly meeting 730 p.m. Election of 1987 club officers.
Jan.	20,	1987...	SARA Monthly Meeting 730 p.m.
Feb.	7,	1987...	SARA VE Examinations 800 a.m.
Feb.	17,	1987...	SARA Monthly Meeting 730 p.m.
Mar.	17,	1987...	SARA Monthly Meeting 730 p.m.
April	21,	1987...	SARA Monthly Meeting 730 p.m.
May	19,	1987...	SARA Monthly Meeting 730 p.m.
June	16,	1987...	SARA Monthly Meeting 730 p.m.
July	21,	1987...	SARA Monthly Meeting 730 p.m.
Aug.	18,	1987...	SARA Monthly Meeting 730 p.m.

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 p.m. Visitors are welcome.

Address correction requested



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