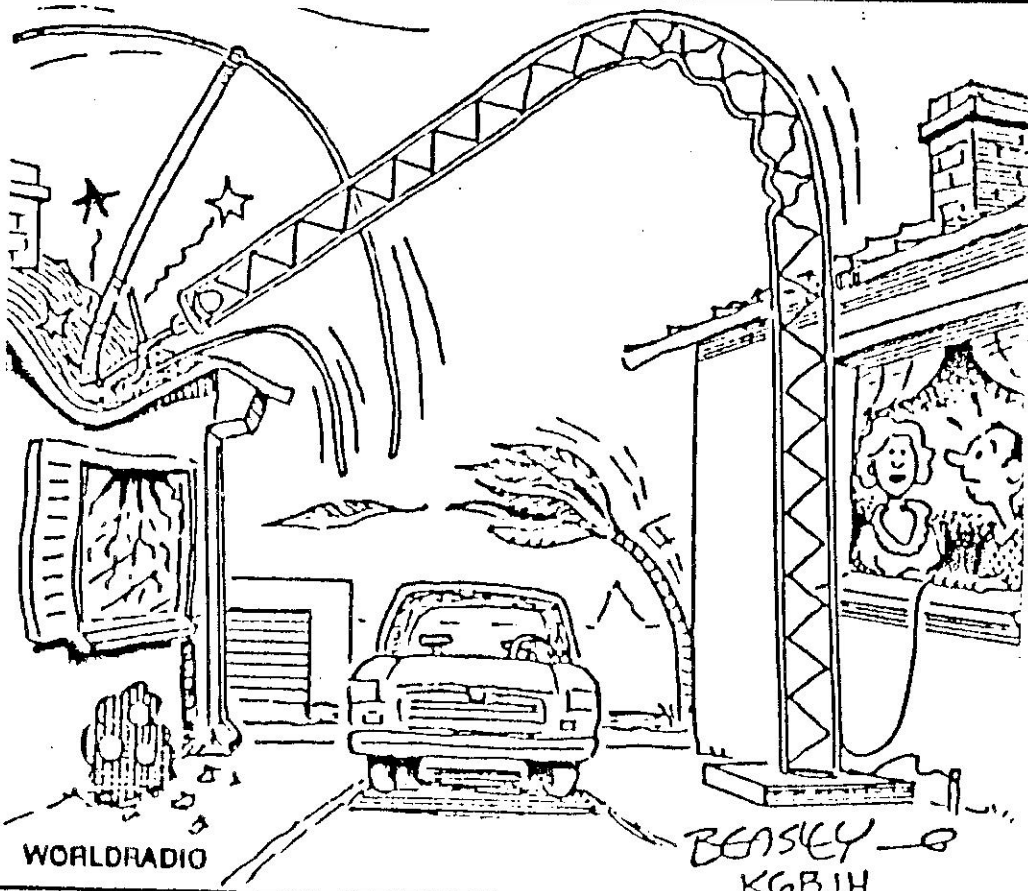


The READOUT

YEAR 12 NUMBER 4 APRIL 1989



I NEVER REALIZED THAT YOU HAD A TILT-OVER TOWER!

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 The READOUT are always welcome and may be submitted to the editor, Bob Pinheiro, WA6ZLO at 1221 Mist Flower Ct. Modesto, CA. 95355. Permission is granted to reprint articles appearing in The READOUT with appropriate credit. SARA owns and operates two F.M. repeaters. 145.39 MHz (-) located on Mt. Oso, 22 miles SW of Modesto at an elevation of 3,370 feet. Our 220 MHz repeater operates on 229.68 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, WD6EJF-1 also located on Mt. Oso at 3,500 feet. Frequency is 145.07 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 \$20.00 per annum and \$10 for students up to sophomores in college. Dues are prorated for newly joining members from the date they join. ARRL memberships and QST renewals may be made through the club with a \$2.00 commission retained by SARA.

PRESIDENT

Phil Hartz.....WD0FFX.....523-9018

VICE PRESIDENT

Joanne ShafferN6SAH.....537-5205

SECRETARY

Linda Franklin.....N6REB.....537-1123

TREASURER

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

HAPPENINGS

Next SARA Meeting

April 18, 1989
Program

OPEN

Raffle: Win Prizes

730 pm

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DON'T WAIT GET READY FOR THE QUAKE



(Ed. Note- On May 2, 1983 a massive earthquake struck the small Fresno County town of Coalinga, CA. What follows is a story written by WA6-DDR which appeared in The READ-OUT in August of 1983. As we approach the 6th anniversary of the 6.5 earthquake, we hope revisiting this story will emphasize that it will happen again and will need to be prepared.)

The Coalinga earthquake hit at 442 pm May 2, 1983. I was sitting at Clovis and 5th ave. in Clovis waiting for a red light. I was talking with K6VWF in Coalinga through the 147.33 Coalinga repeater. The repeater suddenly went dead. The repeater had been experiencing some power failures at times, so I waited about 30 seconds and activated the controls codes restoring it to service. K6VWF came on and said, "I wonder why the re...re... re... repeater.... ah.. hey, we're having an earthquake, and boy it's a big one! There goes my dishes and my front window! There goes my bricks on the front of the house!" Then Jack, W6IYY, also in Coalinga, reported his antiques and

dishes crashing to the floor. Immediately, KV6W, Ken, in Mantord, became net control of the repeater and began mustering available "hams" for emergency service. I arrived home and immediately called the Sheritt's Department, the hospitals and the news agencies to make them aware of the disaster. I also called the F.A.A. I then received a call to go to work (I work for Pacific Telephone Microwave Division). I had been elected to go to Joaquin Ridge along with Chuck, KA6ZDE. Joaquin Ridge is just out of Coalinga which we found out later was the epicenter of the quake. We had about an hours drive before we got to the first road block at Hwy's 198 and 33. We showed our telephone company I.D.'s and proceeded on. The road had several buckles in the blacktop and a lot of waving saqs in it. We got to the oil fields and there was an erie quiet because none of the wells were pumping when the power went out. As we headed up the road to the top of Joaquin Ridge we encountered the first pile of rocks, which turned out to be an endless battle all the way up the hill (8 miles) to the top. Most of the rocks were about the size of basketballs and watermelons. Occasionally, we would stop and clear the road, get back in the truck and report to W6POU with the County who was waiting to see if we could make it so he could send his people up to try and get their system up and running again. We encountered one rock approximately three feet in diameter, but somehow we managed to move it. The road was split in num-

(Continued on Page 7)

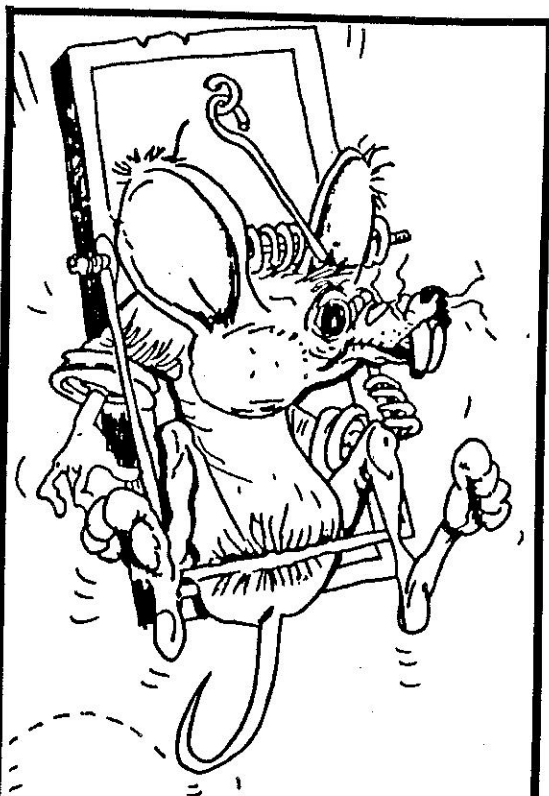
DX NOTEBOOK

By Tom Farr, WJ6O & Denny Dugal, WG6P

Once again it is time to dust of the keyboard and press the right keys to output news for the deserving (those who hear and work DX!). All is well in the DX community and there are some exciting DXpeditions to review this month. I guess at the forefront is the news that activity from Yemen (4W) will likely increase again soon. QSLs have been supplied by HIDXA for the operation of 4WOPA who should increase activity level as time passes. QSL manager PA3CXC has requested call signs of 4WOCW and 4WODX for himself and OH2BH. If Marti is involved, look for a class operation if the license is forthcoming. Cross your fingers! VU7, Lacadives has been active but less than consistent in the quality and quantity of QSOs expected. Seems they are reluctant to put up a directional array for some reason and fellows in the know state they don't expect too much until VU2WAP begins his efforts by the time you read this. Hopefully we will have good long path propagation in the mornings for this rather rare one. T5GG (Somali) has been quite active lately. The usual offering of Pacific DXpeditions has been heard recently, with a rumored jaunt to new country status Rotum a (3D2) by 5W1GP in the offing for April. Laos (XW) still being talked about, but

the political atmosphere still belligerent and suspicious of amateur radio efforts, so nil at this writing. However, Hungarians who were in VietNam seem to have the best shot at putting this obscure and much needed country back on the bands. QSLs from the HA's 3W operation coming forth now in fine shape. Syria, (YK) has been quite workable on 20 meters lately, both CW and SSB. Strong possibility of TT8 activity supported by word from local ham who is said to be the expectant QSL manager for the licensed station who should be QRV soon. Revilla Gigedo, XF4, should be active in April, given the demand expressed by EU stations still needing this one. Look for a multi-national team to operate all bands and modes from here soon. Several guys chasing DX now on the new allocated 17 meter band. DXCC can be had on this band and the activity level is increasing daily. Jump in and join the fun. Many fellows reporting use of tuners to make tribanders normally used for 10/15/20 behave acceptably on this band. Desecheo Island, KP2A/KP5 active at this writing, with good signals and an excellent QSL man, N6CW handling the probably computerized data to speed the pasteboards back to those in the log who provide S.A.-S.E.'s. Still some amazingly good low

band (40/80/160) offerings lately. Static levels not too bad yet and early morning and late afternoon, early evening propagation is very good. Catch 'em now. Ten meters becoming a consistent workhorse for all sorts of DXing. Many Novice types exercising privileges to wet their appetites for more and better DXing as they QSO rare ones on this band. Hope it stimulates them to upgrade! New version 3.0 of the Packetcluster installed at W6LEH recently. Packet DX call outs abound, and the system seems more reliable daily now that it is "backboned" on 220 MHz via the new Net/ROM digipeater on Mt. Bullion, installed by Rick, WB7UGZ. The Clovis node of the same system, K6XJ, is alive and well on 144.950 (simplex) to supplement area use of the W6LEH node on 146.580. Try it! You'll like it! Word has it the Visalia DX convention will be a great one. Pre-registration is over, but don't let that stop you from attending and signing up on site. Excellent speakers, and a chance to meet big guns and little shooters alike. A fun time and really accessible to us lucky valley hams. People come from all over for this event, which is international in scope. Make a special effort to go at least one day! Well gang, 73 for this round and good DXing to each and all. Don't forget to have a bunch of S.A.E.'s and postage on file with the W6 bureau. Also remember the \$2.00 per hundred outgoing QSLs is now in effect at the A.R.R.L. DX bureau. Ciao! DE Tommy, WJ60 and Denny, WG6P CL.



We know that life can be, and often is a RAT RACE! So, we would like to help a bit. If there is a RED MARK on the rat's abdomen, it means that you have forgotten to pay your 1989 SARA membership dues. This copy of The READOUT was sent to you with our compliments. We value your membership and hope you will send in your dues today. For your convenience, you will find a renewal form on the inside back page of this newsletter. Please fill it out and send it along with your check or money order to the Stanislaus Amateur Radio Association, PO Box 4601, Modesto, CA.,

ON THE AGENDA

The March 21, 1989 meeting was called to order at 7:30 p.m. by the President WDOFFX. The format of the meeting was changed with the program being presented first. Rick, N6UCL, introduced officer John Bruer of the CHP, the public relations officer in Modesto since Oct. 1988. He spoke briefly about his 21 years with the CHP, 11 of them in the L.A. area. His main topic was to relate how to communicate with the CHP on the road through the dispatcher. After the program introductions were made by 33 members and visitors. The evening's agenda was announced by WDOFFX, and Bob, WA6ZLO, made a motion the minutes be accepted as printed in The READOUT. It was seconded and accepted. The Treasurers report by KB6ECF was as follows: Main treasury balance as of February 25, 1989 was \$2,629.49. Deposits totaled \$825.00. Club station balance \$542.50. The Treasurers report was accepted as reported. Leroy, NV6S, reported the 2-meter equipment is working fine. The 220 is at his house and running, but the link is not operational. Also the 2-meter equipment will be installed in the new repeater building, Friday March 24. WA6ZLO reported the building materials were transported with no problems to Mt. Oso, and that Don, N6GGB, and his crew have the building put together. WDOFFX reported the frame work

is solid, with sheetrock, insulation, and electrical wiring in place. Cliff, KB6QLI, was commended for his work putting up most of the galvanized siding on the new building. WDOFFX, announced that there are three new club members as a result of the Saturday classes. Marilyn, NQ6H, reported that the Fund Raising Committee met and came up with some ideas for fund raisers, of which another raffle, and food concession booth were favored. At 7:40 p.m. a break was taken, and the raffle tickets for the door prize were sold. Resuming the meeting at 7:50 p.m., the idea for a monthly CW contest was discussed, and decided that this activity would be looked into further. Under new business, WDOFFX reported on a proposed site for the Club Station. It would be at the Teal Middle School in Empire. It would be on a share basis combined with the school station. 25 students from the 6th grade upward are interested in becoming hams. There were doubts expressed about sharing a station with students, but Phil said they would be under supervision at all times. The proposal will be under further consideration. Laverne, KB6ECF, said she had been checking on an interest bearing account, and asked if anyone could suggest a firm that had such accounts for little activity and a minimal balance. Steve, N6EKV said he should check with N6JTD, Lori,

and she might be able to work something out. Laverne also reported as of February dues amounted to \$1,527.27 of which 10% is to be set aside in a separate account for the catastrophic maintenance of the repeater equipment. A motion was made to name Steve, N6EKV, Chief Control Operator. It was seconded, and accepted. Steve said there was a possibility the club could purchase a 440 rig with everything for \$200. A motion was made to have Steve purchase the equipment without reporting to the club first if he can buy it for \$200. The motion was seconded and approved. The drawing for the door prize was held, with Linda, N6REB, winning a very nice rechargeable flashlight. The meeting was adjourned at 10p.m. Respectfully submitted by the Secretary, N6REB.

EPA TESTS RADIO WAVES

The Environmental Protection Agency, EPA, will begin testing radio waves emitted from the powerful Voice of America radio transmission towers just outside Delano, Ca. The tests will be part of the on going probe of childhood cancer in nearby McFarland. The testing was requested by the Department of Health Services, which is investigating the 13 childhood cancer cases in this small Kern County farm town. Cause of the cancers hasn't been determined. While radio waves from the towers were tested last year, EPA experts said their equipment is more sophisticated than what was used by the state. Some of the shortwave transmitters at the VOA run as much as 250,000 watts.

COALINGA QUAKE

(From page 3)

-erous places and slipped down the mountain as much as three feet, but we managed to get to the top. At the top we saw signs of earth movement. In the parking lot there were fissures from two to three inches wide all around the building. Inside the microwave building it was a mess! All the cabinets that were anchored to the walls were now on the floor, along with everything in them. After climbing over the debris, we found everything still working. Not one circuit was out of service. The batteries really took a beating. The lead straps were twisted and bent and the acid spilled on the floor, but nothing had broken. We began the cleaning up process and then prepared to leave. As we were leaving, we checked the emergency generator which was OK. We found the exhaust manifold was broken with a slight gap in it. We also checked the air conditioner and discovered a 4 inch gap between the building foundation and the earth as far as we could see. The next stop was the building housing the ham repeaters where we found both relay racks twisted from their foundations, bolts broken off and cavities hanging by their cables, but they were working so we did not want to touch them. The 220 machine power supply was on the floor but appeared to be O.K.

NO-CODE LICENSE INEVITABLE

The handwriting is on the wall! Some form of NO-CODE license for the Amateur Service is imperative if we are going to attract people to the hobby and preserve our frequencies through strength of numbers. Hogwash, you say? Read on! There was a time when ham radio was growing. Between 1973 and 1983 the Amateur radio service increased by more than 60 percent. The annual growth rate was nearly 5% . Since 1983 the average increase has fallen to LESS THAN 1 % ! Here are some of the reasons and thoughts behind this sad situation. In a speech to the ARRL No-Code Study Committee meeting in Miami on February 3, 1988, Fred Maia, W5YI, said that two events occurred in the early 1980's that have had a devastating impact on ham radio growth. The pool of communications oriented candidates dried up for one thing- and, yielding to pressure from the League and their membership, the FCC declined to adopt a class of license which would not have a Morse code requirement. Japan allows its Amateurs access to the ham bands using low power without a Morse Code requirement. They call it the 'Voice Class'. Canada is presently moving in the same direction. If you look at the present state of ham radio in the United States you will find the average age of ham now is 50 years old, that's up from 46 just five years ago. That means very few youngsters

are entering ham radio. The youth of today are more interested in

.....
*'Semaphore- An apparatus
for conveying information
by means of signals.'*
.....

robotics, satellites and computers...than semaphore flag waving and Morse code. We can talk all we want about how easy it is to learn the code, but our youth aren't interested and aren't doing it! Both TAPR (Tucson Amateur Packet Radio) and AMSAT (Amateur Satellite Corporation) tell us the code requirement is hindering their development. The Boards of both corporations have endorsed a VHF code-free entry level Amateur license. So, just how important is the code? Apparently not very. Try and find its commercial use by tuning across the bands. The last commercial vestige of required Morse, the maritime radio operator at sea, is going "QRT". Ocean going vessels now keep touch with the outside world more efficiently using automatic satellite communication. The fact is that Morse code is antiquated as a means of communication and we can't expect newcomers to share our feelings of nostalgia. The fact remains that the code is still the code...and a burden to newcomers. There were fewer first time Amateurs in 1988,

the first full year of the enhanced Novice class, than there were in 1986, the final year before its adoption. Clearly "Novice Enhancement" is not working and we obviously need to take a different approach to Amateur radio growth. Former Senator Barry Goldwater, K7UGA, offers these thoughts on this subject. He believes that Morse code is an impediment to individuals...especially young people trying to obtain a license. He feels that we would not be able to keep our Amateur bands unless we increased our numbers. "Amateur radio will just go away" if we don't grow. More emphasis should be placed on the

*'I don't want to see
Amateur Radio die.'*

written examination. I know a lot of people will be shocked hear an old timers like me say that...I like to sit down and wobble the key and I will do that forever. I would rather use the code than a computer. But, I don't want to see Amateur radio die. We need to swell our ranks at least 200,000. I lecture three days a week at Arizona State where

the young people tell me they would like to become radio amateurs but they don't want to spend the time-earning the code. What they are interested in is gaining a better knowledge of communications... which more and more is going to rule our lives. The young ones have the desire to learn. Very few will use the code...so, why mess around with it." The fact that our service is not growing..and the ever increasing need for more spectrum by other services is skyrocketing...means the demand for our frequencies will continue (i.e. 220-222 MHz grab). The Amateur radio service is in a very vulnerable position. We have fewer licensed users per megahertz of allocated spectrum than any other U.S. radio service. It is perceived that ham radio is stagnant...and our frequencies particularly at the incredibly valuable VHF\UHF range are under utilized. It is little wonder that well organized, well connected and well funded commercial interests are successfully convincing regulators that our frequencies could be better used elsewhere. Ham band frequency attacks have become a way of life, and you can expect that they not only will continue, but increase.

REMOVING DECALS & STICKERS

Ever have trouble removing decals from your transceiver, car windows, bumpers or other pieces of gear? Even price tag stickers can be tough to get off and attracts dirt and grime. This tip from the finish folks at Ranger Boat Co. can make sticker and decal removal quick and easy. Use a common hair dryer and gradually heat the entire decal. After the decal peels off, use simple white vinegar or WD-40 to remove any sticky residue. Wash with soap and water and you got it.

THE THRILL OF IT ALL.

By Linda, N6REB

I was excited and doubtful when my husband, Chas, told me I was invited to go along with him and the repeater work crew to Mt. Oso. I had heard the trip to the top required 4-wheel drive vehicles, and was very steep and rough. I had also heard of close encounters with rattlesnakes, wild pigs, and other such creatures. In spite of these stories, I decided to be brave and go along to see firsthand the business end of the repeater. D-day had arrived. It began at 4 a.m. Saturday March 18. I was advised to bring a lunch, water, and wear warm clothes so, I made sure none of these things would be left behind. The weather threatened to rain on our parade, but it was decided to make the trip as planned. The first step was to stop at the home of Don, N6GGB, to load the three 4X4 trucks with the ma-

...I hadn't heard any rattles or grunting...

terials for the new repeater building to be hauled up to the repeater site. Soon we were on our way and before long we had entered the gate that led to the home of the SARA repeaters, the top of Mt. Oso. Slowly we made our way up the side of the mountain through gullies, switchback curves, and steep inclines. Now and then we would

hear Bob, WA6ZLO's voice informing us of the terrain along with a little teasing here and there. I was thoroughly enjoying the lovely deep green hillsides that were dotted

'...the lovely deep green hillsides were dotted with patches of bright yellows, pinks, lavenders and blues.'

with beautiful little wild-flowers. Patches of bright yellows, pinks, lavenders, and blues. It was gorgeous! I also scanned the area to see if any wild creatures were lurking about, but I hadn't heard any rattles or grunting, so I figured I might as well relax and forget the wild things. We bounced merrily along till we reached a point half way to the top. We stopped to take a break and let the heavily loaded trucks get their second wind, while we took a look at the valley below. At this point I could hardly wait to get to the top to see the fantastic view from the repeater site. As we made our way up the last stretch of winding road, I was getting excited. Rounding a bend near the top, the grand array of antennas that crown Mt. Oso came into view. WOW! What an exciting sight. I was so glad I had made the trip. I felt like a kid getting their first glimpse of Disney Land. Finally at our desti-

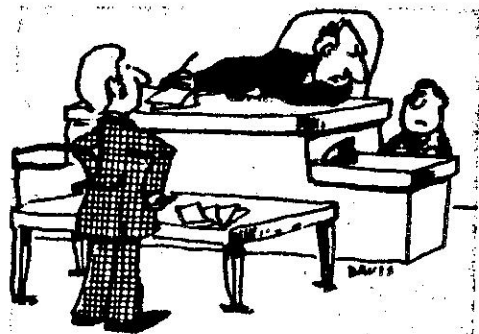
COALINGA QUAKE (From page 7)

nation, the men got down to business unloading and placing the materials where Bob had directed so they would be protected from the weather until the next crew came up to assemble them. I got busy with my camera and started taking pictures of the men at work. I also took pictures of the vast array of various types of antennas that cover the entire top of Mt. Oso. I was having a ball taking pictures, and looking at the valley scene below. Finally we took a welcomed break for lunch, and everyone munched (hi hi). After the men completed their work for the day, Bob, WA6ZLO, gave us a tour of the mountain top and the 220 site. I was really impressed with everything, and was glad I hadn't missed it. As we made our decent down the mountain the men chatted on simplex and I was feeling very fortunate to have made the trip with them. I had a feeling of pride in being a part of this endeavor, although I didn't participate in the work physical. THANKS GUYS for letting me come along. It was fun and exciting, and I look forward to the next opportunity to go back and see the end results of all who donated their time, money, materials, and elbow grease to this endeavor that has made it possible for our repeater to have a new home. YOUR O.K.!

(Ed. Note: Linda took several pictures of this trip which will be published next month.)

We picked it up, put it back in the cabinet and plugged it back in and it took right off. Thank goodness! We now had both the two meter and 220 repeaters working. By this time, it was 230 am the following morning. We had a precarious drive down the mountain back to Fresno where we arrived at 345 am. It sure felt good going up and down that rocky canyon road to know that there were hundreds of "ham operators" listening to your every move. While were there, we felt a couple of heavy after-shocks that reminded us of the seriousness of the situation.

(Thanks WA6DDR, Mac, & the Kings Amateur Radio Club, Hanford.)



"BEGGING YOUR PARDON, OFFICER, BUT 'NONE OF YOUR FRICKING BUSINESS' IS NOT AN APPROPRIATE RESPONSE TO THE DEFENSE ATTORNEY'S QUESTION."

EDITOR'S NOTES

By Bob Pinheiro, WA6ZLO

Our membership has grown to 152 with the addition of these new members, all of which are graduates of our current SARA license class. WELCOME o Ralph Swenson of Modesto; Don Lounsbury of Empire and Jeff Burghraef of Oakdale. Ralph is the President of Bio Research, Inc. In addition to earning their tickets, they also earned a free membership in SARA for 1989. Also welcome to Chuck Smith, W6ASO, from Oakdale who is an Advanced and dentist in Modesto and Chuck Tifft, AKOT, of Modesto. Chuck is the Chief Engineer of Channel 19 in Modesto and an Extra. Welcome to N6UKV, Mark Meidra of Modesto. Mark is a building service contractor and is the brother of Dave, KJ6DL. CONGRATULATIONS to Gregory, KA6VVV and Bob, KJ6QD (formerly N6RSS) both of whom upgraded to Advanced last month. CONDOLENCES TO WALT, KJ6IC, who wife passed away last month. A BIG "THANK YOU" to all those members who donated labor and material to complete our new two meter building on Mt. Oso. Especially, Don, N6GGB, who did all the planning and directed the effort. Next month we will have a bunch of pictures of the entire project. At the March meeting STEVE, N6EKV, was elected as our new Chief control operator. It's his thankless job to police the SARA repeaters and make sure that we are in compliance with all

the applicable rules and regulations. So, if you hear Steve making a suggestion, please remember he has the authority and is only doing his job and he needs our whole hearted support. He will be especially looking for any violations of the autopatch rules. Steve replaces Ray, WA6OQF, who became a silent key in December. FCC rules require control operators. OOPS! Famous radio announcer Ed Herlihy, alienated his sponsor with this misreading of a commercial- "another delicious combination for these hot days, also by Kraft, is a chilled grease sandwich and a choke!" OOPS AGAIN! Graham Kerr, the host of the old "Gallop-ing Gourmet" cooking show, was preparing a squid dish on the air when his tongue galloped away from him: " A squid, as you know of course, has ten testicles..." Don't forget the POW WOW coming up at Valley Springs on May 5-6-7, 1989. (See Page 14). This will be the first time Amateur radio will be present at the event. Several SARA members will be setting up a complete station not only to demonstrate "ham" radio but, also to handle messages for those attending the three day event. There is something for everyone. So, take the family and enjoy the weekend. Take Hwy 26 to Valley Springs and then follow the signs to the Snyder ranch just NE of Valley Springs. 73 Bob.

VACATIONING IN CANADA?

With the summer vacation season upon us, it is time for a reminder to those of you planning a vacation in Canada. If you are planning a northerly trek, remember that Canada and the United States share an automatic reciprocal operating agreement. This means that FCC licenses are valid in Canada, and it is not necessary to file a request with Communications Canada (formerly Canadian Department of Communications (DOC) to obtain a reciprocal operating permit. It is best to carry your original FCC license, rather than a photocopy, when entering Canada. Always remember to sign your US call sign followed by the proper Canadian prefix. (i.e: WA6ABC/VE3 etc). If you should have difficulty get

ting your equipment through customs, referral to their customs Memoranda D2-1-1 (p.7) and D19-4-2 (p.4) will remind the officer that your FCC license is valid in Canada, and that your equipment may be imported as part of your personal baggage. While operating in Canada remember that you must stay within the limits of your FCC-authorized frequencies. Canadian repeaters are listed in the ARRL Repeater Directory, available from your local Amateur Radio book distributor or from ARRL HQ. Further information on reciprocal licensing may be obtained by sending a business-size self-addressed stamped envelope (SASE) to ARRL HQ, attention: Regulatory Information Branch.

HOW TO ADMINISTER NOVICE EXAMS

The FCC has a new 4-page Fact Sheet entitled "How to Administer an Examination for a Novice Class Operator License." Fact Sheet PR-5000, No. 203 is available without charge from the FCC, Personal Radio Branch, 1919 M St. NW; Washington, DC 20554 and (we assume) at all FCC field offices. W5YI also has a 16 page booklet on the same subject which goes into more detail about where to get and how to select the questions, preparing (or obtaining) and administering the telegraphy exam, grading the tests, completing and mailing the 610 form and required record keeping requirements. The W5YI booklet is also free from PO Box 565101, Dallas, Texas 75356. Include 50 cents in postage costs. The entire 302 Novice question pool is also available from W5YI for \$2.00.



Snyder's

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POW WOW

May 5-6-7, 1989

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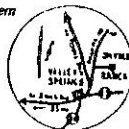
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AMATEUR RADIO BOOTH AT POW WOW

Several members of SARA will be setting up a Amateur Radio booth at the 15th annual Pow Wow, May 5-6-7, 1989 at Valley Springs. The event will offer an excellent opportunity to demonstrate Amateur radio to the thousands who are expected to attend the event. The three day event will be held on the Snyder Ranch off Paloma Road about 5 miles north of Valley Springs. The Amateur station will handle message traffic as well as demonstrating Amateur radio in general. **OPERATORS ARE NEEDED!** If you can help out, even if it's for just a few hours, please contact Jim, N6KMR, or Neal, N6LAB evenings at 531-0332 in Modesto or 722-1309 in Valley

Springs. A booth is being setup for the ham station and equipment is needed. So, why not take the family and make a day, two or three and have some fun. Admission is free and you can camp out for just \$5.00 per night, or just visit for the day. In any event, you and the family are sure to have a good time. There is plenty to see and do. There will be a/c power for the equipment so you don't have to worry about juice. To get the Pow Wow, take Hwy 26 to Valley Springs and follow the signs to the ranch.

CONTRIBUTIONS TO THE READOUT

Contributions to The READOUT can be made through my Packet Mailbox on the WB6V-2 BBS at Ceres. Column width and length are not critical. I download all contributions into the word processor and get them ready for the newsletter. Frequency is 145.07. All contributions are welcome and carefully considered.de WA6ZLO.

**STANISLAUS AMATEUR RADIO ASSOCIATION
MEMBERSHIP APPLICATION**

DATE:	NEW \ RENEWAL		: YEAR
NAME:		CALL:	
ADDRESS:		HOME PHONE:	
CITY:	STATE:	ZIP:	
BUS. ADDRESS:		B/P:	
OCCUPATION:		DATE OF BIRTH:	
CLASS OF LICENSE: E A G T N		YEAR FIRST LICENSED:	
WHAT AMATEUR RADIO PUBLICATIONS DO YOU SUBSCRIBE TO? (QST) (WORLDRADIO) (73) (CQ) OTHERS:			
ARE YOU A MEMBER OF THE A.R.R.L.? (Yes) (No)			

DUES!

Full Membership (Licensed Amateurs):\$20.00 Per Year
 Associate membership (No License): \$10.00 Per Year
 Students up to Sophomore in college:.....\$10.00 Per Year
 Family: \$20.00 for the
 head of the household and \$10 for each for the next two members.
 Maximum of \$40.00. The fourth or more members living in the same house
 are free.

SEND MONEY TO

Make your check or money order payable to "SARA" and mail it along with
 renewal form to....

**SARA
P.O. BOX 4601
MODESTO, CA. 95352**

CALENDAR

Apr. 18,	1989.....	SARA Monthly meeting.....	730 pm
Apr. 21-23,	1989.....	DX Convention in Visalia....	3 days
May 16,	1989.....	SARA Monthly meeting.....	730 pm
Jun. 1,	1989.....	VE Tests in Modesto.....	730 pm
Jun. 3,	1989.....	VE Tests in Modesto.....	900 am
Jun. 20,	1989.....	SARA Monthly meeting.....	730 pm
Jun. 24-25,	1989.....	SARA Field Day Niles Garden School Manteca.	24 hrs
July 18,	1989.....	SARA Monthly meeting.....	730 pm
Aug. 15,	1989.....	SARA Monthly meeting.....	730 pm
Sept. 7,	1989.....	VE Tests in Modesto.....	630 pm
Sept. 9,	1989.....	VE Tests in Modesto.....	900 am
Sept. 19,	1989.....	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 and interested parties are welcome .

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

Bulk Rate
U.S. Postage
PAID
Permit 5
Modesto, CA.

Address Correction Requested

1989

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