



THE READOUT

The Stanislaus Amateur Radio News

20 YEARS OF SERVICE TO THE COMMUNITY

JANUARY / FEBRUARY 1996

The Official Newsletter of the Stanislaus Amateur Radio Association

!!! HEY YOU MADE IT ... THANKS FOR RE UPPING !!!

FIELD DAY 1996 !!!!!

FIELD DAY JUNE 22, 23, 1996

from Bill KC6VWO

Well it's that time again. YEA!! FIELD DAY, 1996 is just around the corner. One of our new SARA club members, Duane Spyksmam (KF6BPA), said he knew of a good place in the Sierras off of highway 4 at about 6,000 ft. elevation, and I know of another place up past Strawberry about 6 or 7,000 ft elevation. The best part is the camping is FREE !! There are many trees available for erecting antennas. Some volunteers will be needed for the following: A Ham will have to go up to the campsites on Thursday and stake out the areas needed for our field day (this will make it necessary to send in reservations so we know how many sits of what size we'll need). A Ham will be needed to take the reservations (How many will show up). A Ham will be needed to haul the BBQ up for the Saturday night BBQ (bring your own meat & trimmings for dinner). Or bring you own BBQ. We will need to know if your bringing radios, antennas and if you have a generator that will be brought for power (remember, there will not be any power where we will be. So bring the family for an enjoyable weekend in the Sierras. Enjoy the outdoors with a campfire on Saturday night. The more Volunteers the better and the more fun we'll have. Available activities are; HAMMING, DXing, CONTACTING other hams, hiking, (bring your camera for photos). Possibly fishing (you need your fishing lic.), and a campfire. So bring the family and your walking shoes. I want to make this year a year to remember for the whole family. 73's FROM BILL KC6VWO.

HAPPY HAMMING.

FOX HUNT MAY 18 @ 11:00 AM

Well here is what you asked, cried, stamped your feet, pouted about and just plan sat there with your lower lip out about. WINNER take all. DONATION is \$1.00 for the entry fee. Finder of the fox will win the pot... Remember the last one I did.. HA HA HA...

RULES : No home stations allowed. Any thing goes as long as its mobile or portable. You must find the transmitter. Then report it to the coordinator but remember don't tell the others... So no telling the others till the coordinator calls that the fox has been found... This promises to be good as always. We will meet at the County Administration Building @ 11.am see you there. Brought to you by Kathy KE6QHC and Jim N6KMR.

"TALL TALES"

BY MIKE AC6PQ, PRESIDENT

THE CLUB IS STARTING A NEW "ELMER" PROGRAM FOR NEW HAMS, HAMS WHO WOULD LIKE TO UPGRADE, OR FOLKS WHO WOULD LIKE TO BECOME A HAM. AN "ELMER" IS AN EXPERT IN A SPECIFIC FIELD WHO WOULD ASSIST ANY PERSON NEEDING HELP. THIS HELP COULD BE IN THE REALM OF GETTING ONES FIRST TICKET, SETTING UP A STATION (HF/VHF/UHF), TOWERS, DIPOLES, J-POLES, YAGIS, PACKET, UPGRADING TO A HIGHER CLASS LICENSE, OR ANYTHING RELATED TO OUR HOBBY. AT THE PRESENT TIME, WE HAVE 7 HAMS WHO ACCEPTED TO BE AN "ELMER". ANYONE NEEDING HELP SHOULD CONTACT THE CLUB BY THE S.A.R.A. REPEATERS, ATTEND MONTHLY MEETINGS, OR WRITE TO THE CLUB AT P. O. BOX 4601, MODESTO, CA. 95352. GREAT INTEREST HAS BEEN SHOWN FOR A PROGRAM LIKE THIS, WE ALL NEED HELP AT ONE TIME OR ANOTHER!! THE CLUB IS REALLY TRYING TO LISTEN TO WHAT IS BEING SAID BY MEMBERS, IF A PROBLEM EXISTS THAT YOU THINK NEEDS TO BE AIRED, PLEASE CONTACT ANY BOARD MEMBER AND YOU WILL GET A RESPONSE BACK. WE CAN'T CHANGE EVERYTHING OVERNIGHT SO PLEASE BE WILLING TO ACCEPT WHATEVER REPLY IS GIVEN.. THE CLUB IS TRYING TO BE PROACTIVE AND INTERACTIVE WITH ALL MEMBERS FROM THE NO-CODE TECH TO THE EXTRA CLASS. EVERYONE IN THIS CLUB IS AN EQUAL, EVERYONE HAS A RIGHT TO SPEAK AND BE HEARD!! IF ANYONE HAS A SUGGESTION ABOUT THE CLUB IN ANY REGARD, PLEASE DROP A LINE TO ME, MIKE, AC6PQ, @ KD6JZZ OR WRITE TO THE PO BOX MENTIONED ABOVE.. C U AT THE MEETINGS, ON THE AIR, AT THE WALK-A-THONS, BIKE-A-THONS, AND FIELD DAY... 73 MIKE ----- End of message from AC6PQ

: M S Walk-a-thon

:by KD6YAZ

On April 14 seven hams showed up to help with communications for yearly event. Boy did we have our hands full after setting up stations at the rest areas we were soon drafted into double duty it seems that most of the other volunteers did not show up

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ARRL NEWS...

from nestkn@ke6fse.ampr.org

Before the FEDERAL
COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of Modification and
Clarification of Policies and Procedures
Governing Siting and Maintenance of
Amateur Radio Antennas and Support
Structures, and Amendment of Section
97.15(e) of the Rules More(N=no)?
Governing the Amateur Radio service
RM-8763

To: The Commission

COMMENT ON PETITION FOR RULE
MAKING FILED BY THE AMERICAN
RADIO RELAY LEAGUE

March 20, 1996

Richard T. Heiden, Esq. Kimpton, Burke
& White, P.A. 28059 U.S. Highway 19
North Suite 100 Clearwater, Florida
34621

on behalf of: Donald L. Stoner, W6TNS
QUALIFICATIONS This office
represents Mr. Donald L. Stoner, amateur
radio W6TNS (Stoner), who wishes to
comment on the filing made by the
American Radio League Incorporated
(the League). This office also represents
Mr. Stoner in an on-going lawsuit against
his condominium association, 440 West,
Inc. This action was initiated
approximately five years ago and is filed
in the Circuit Court, In and For The
County of Pinellas, Florida.

Donald L. Stoner, W6TNS, (Stoner)
wishes to comment on the American
Radio Relay League (the League)
Petition which has been assigned RM-
8763. For reasons to be described, Mr.
Stoner feels qualified to provide
information additional to that supplied by
the League. Stoner concurs fully with the
comments of the League. However, he
believes that they have not sufficiently
stressed the area which relates to
Conditions, Covenants and Restrictions
(CC&Rs). He also feels that the
Commission has abrogated their
authority in regulating communication to
those who control the usage of covenant
restricted communities. These bodies are,
in fact, determining who may and who
may not communicate using their
federally licensed equipment which

includes the antenna system). Only the
Commission has the authority to do this
and by ignoring the true effect of the
CC&Rs the FCC is permitting
abridgment of individuals' Federal rights
to use their license. Further, virtually all
covenant restricted communities forbid
amateur radio antennas in any way, shape
or form. This is in direct affront to the "reasonable accommodation" provisions
in PRB-1. CC&Rs represent a direct
violation of ones civil rights and freedom
of speech guaranteed by the Constitution.
While the Courts have held that there is
no inherent right to communicate, the
Commission implies by granting a
Station License that this is a valuable and
useful document which carries certain
rights, privileges and benefits. In
enforcing restrictive covenants governing
organizations destroy the value of this
license and withdraw the privileges and
benefits granted by the United States
Government and if the FCC permits this
the value of a license is greatly
diminished if not destroyed. Specifically,
Stoner requests that the Commission:

(1) Reestablish its right to regulate
amateur radio and amateur radio antennas
even though they may be located in a
covenant or deed restricted community.

(2) Enforce the laws they have already
created. As a minimum, the Commission
should create rules which enforce the
"reasonable accommodation" provisions
of PRB-1 to all communities inclusive of
community associations, cooperative,
townhouses, homeowner's associations
and condominiums.

Stoner is also the provider of a
"homepage" on the World-Wide Web of
the Internet called The Restrictive
Covenants Homepage: (<http://www.gate.net/~donstone/antenna.html>)
The homepage also provides a
correspondence reply form so that readers
can send messages to Stoner regarding
their unique circumstances as they relate
to restrictive covenants. Stoner has
received hundreds of messages regarding
the hardships faced by the correspondent
regarding restrictions operating their own
radio stations. While most of the
comments which follow are related to
condominium living in the State of
Florida, they are equally applicable to
other forms of restricted communities in
other areas. As the League points out,

virtually all new housing developments
are subject to covenant regulation. If the
Commission ignores the fact that amateur
radio operators continue to face a
mounting group of restrictions affecting
their rights to practice ham radio the FCC
is ignoring reality. Extrapolating the
numbers for the State of Florida, is
interesting. There are approximately
38,000 amateurs who are permanent
residents in the state, and significantly
more come to Florida during the winter.
By conservative estimates 15-20 percent
live in deed restricted communities and
most are prevented in one way or another
from communicating with their friends or
providing emergency services. This
represents a significant resource in terms
of knowledge, capability and
performance that is not being used. Some
of the stories, related by these people, are
truly heartbreaking. Typically, an
amateur and his spouse will retire after
working many years. They elect to move
to the south, often Florida, and spend
their remaining years in a comfortable
climate and would have the time to serve
their communities with amateur radio
service. Further, they typically will
purchase a condominium so they are no
longer burdened with painting, planting,
yard maintenance and the myriad of other
chores endured by homeowners
everywhere. Before purchasing a
condominium, they typically, come face-
to-face with the realities of restrictive
covenants which abrogate their amateur
radio rights. As the League points out,
many amateurs do not understand the
"fine print" found in the massive
condominium documents (the documents
supplied the undersigned weighed 4.6
pounds!). Further, the newcomer seldom
uses the skills of a real estate attorney to
advise them about their purchase. If they
do read and understand the documents,
they discover they will not be permitted
to operate an amateur radio station from
their new home. Essentially, they are
given the choice between a comfortable
home and abandoning the many
friendships they have made over decades
of ham radio operation. Often it is the
elderly who move to the South and
purchase a condominium. continued pg3

ARTICLES WANTED !!!!!

ARRL

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As nature takes its course, some of these amateurs become physically handicapped, as is the undersigned. Restricted communities make no provision for accommodating these people. Often those who move to the South spend a major portion of their life savings to pay for their condominium. They seldom have the funds available to oppose antenna restrictions. Further, they are reluctant to oppose condominium associations or "make ripples" and some may even experience a deep-seated fear they would lose their home by doing so. Elderly amateurs represent a significant but abandoned resource. They have the time to be "Official Observers", handle traffic and messages for others, provide on the air guidance to newcomers as well as the benefit of their years of experience. However, much of this knowledge is wasted when they are restricted from on-the-air operation. Because of CC&RS, amateurs are routinely prevented from enjoying and providing the benefits of the Amateur Radio Service as covered in Part 97.1 (Basis and Purpose) of the Commission's Rules and Regulations.

THE STATION LICENSE-

The Commission grants individuals a station license under Part 97.5 of the Federal Communications Commission Rules and Regulations. In various parts of this section, the Commission refers to amateur station and station apparatus.

While the Commission had transmitting equipment specifically in mind with reference to these terms, an amateur station is not complete, and is not capable of communication, without an antenna. Thus, it is reasonable to state that an amateur station includes the required antenna and that without an antenna, the station apparatus is not complete. It is also reasonable to conclude that in granting a station license, the Commission grant covers not only the transmitter, but the transmitting antenna.

DEED RESTRICTED COMMUNITIES-

Conditions, covenants and restrictions (CC&Rs) are created for the benefit of the majority. CC&Rs regulate appearance, usage and activities of the community in the best interest of the majority. Stoner recognizes this fact, and the need for such regulations, but he feels that antenna restrictions directly thwart the will and desire of the Commission and represent a case of the tail wagging the dog. Why should security antennas, television antennas, cable systems, satellite dishes, cellular phone, 900 MHZ systems, etc., be permissible but amateur radio antennas or systems be restricted. The Association's fight to create restrictive covenants denying amateur radio operators the right to install antennas effectively wipes out all of the licensee's rights and privileges. It has been said that a planned community, such as a condominium, is like a tiny nation. In Florida, as in the majority of other states, community association, deed restricted communities, condominiums and cooperatives are all creatures of the state. Their ability to exist is typically through enabling legislation of that respective State Government. In fact, all of the above said communities are governed by State statutes which are completely silent on protecting amateur radio operator's rights. It is universal that covenants and restrictions must be reasonable. Unfortunately, Courts are reluctant to step in to protect amateur radio operators where the Court's feel the FCC should be the enforcing body. Without additional guidance from the FCC wherein the FCC would make an affirmative statement that amateur radio operators rights shall remain intact no matter where they live and that the laws protecting them are not left at the gates of their community, amateur radio will wither on the vine and die. The Courts will take action to police restrictive actions placed on amateur radio in deed restricted communities if the FCC to regulate these abusive restrictions if the FCC would simply state that the rights of amateurs' in deed restricted communities remains intact and that amateur radio operators must be afforded reasonable accommodations therein. All that is necessary to enable the Court to police amateur's rights in the future is a restatement of PRB-1 such that there is no argument that amateur

radio operators rights are any different depending on where they live. If we truly live in a classless society, amateurs should not be reduced to second class citizens

by virtue of their address. Association Boards represent the best and worst characteristics of a governing body. One can be elected to a board, whether they are competent or not. The manifestation of this, as it relates to amateur radio, appears in the condominium documents. In almost every case the condominium documents incorporate a typical "boiler plate" paragraph that reads: No owner or occupant of any apartment shall install wiring for electrical or telephone installations, nor install any type of antenna, machines or air conditioning units. This paragraph must be accepted by radio amateurs in order to purchase property in the restricted community because the Courts have refused to strike down these restrictions without clear guidance from the FCC. In some cases, the community totally usurps the authority of the Commission. The Pittsford Code considers the following to be structures and permitted: Driveways, sidewalks, retaining walls, fences, residential post-lights under 10feet in height, and simple antennae capable of receiving (but not transmitting) electronic signals. Note that transmitting antenna in any form are forbidden. there is no provision for "reasonable accommodation" in either of these clauses. This violates the spirit and intent of PRB-1 and is directly contradictory to the intent of Congress. What could reasonable accommodation mean? A dipole antenna system could be hidden in an attic. A resonant loop could be hidden under the eaves of a house. A fine wire, such as common #40 stainless steel fishing line attached to a tree or pole, would be virtually invisible. A simple wire antenna could be mounted on the flat roof of a condominium, where it cannot be seen. The Board could permit one radio station, at the community or recreational center, available to all FCC licensed amateurs. The Board could develop an emergency plan for the community which would incorporate a resident amateur and his or her equipment. Not one of these suggestions would be detrimental to the community and in some cases, particularly those

which are emergency related, could be helpful. Few if any condominiums consider "reasonable accommodation", because they are not required to do so by

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the FCC or the Courts.

CONCLUSION-The Commission has the legal and moral authority to eliminate or minimize the hardship, inconvenience and interference with amateur radio operation by the unfair imposition of restricted covenants. We believe that the Commission must reestablish their authority in this area and, at a minimum, create Rules and Regulations that insure compliance with the "reasonable accommodation" provisions of PRB-1 as it relates to deed restricted continuities.

The under-signed respectfully prays that the Federal Communications Commission redress this situation by requiring reasonable accommodation on the part of those who regulate covenant restricted communities to the amateur radio operator. Respectfully submitted,

Richard T. Heiden, Esq. KIMPTON,

For Sale:

Steel Crank up tower, 60 ft. 18" base. rebar and extra metal\$500

YEASU FT 757 / FC 757 auto tuner, 2 mikes, power cables, tr switch for linear, free 757hd power supply, mobile mounting bracket...\$750

MIRAGE D26 420-450 mhz amp, 1w=60w out, great for atv or ht.....\$150

MFJ 1224 rtty/cw computer interface w/ manual.....\$25

CDE HAM-3 rotor\$125

contact..... n6kmr@kd6jzz.nocal.usa
..... n6kmr@n6kmr.ampr.org tcp/ip
44.2.1.87

de Jim...

**DO YOU HAVE
SOMETHING FOR
SALE ? WELL I
HAVEN'T SEEN IT**

SARA MIN... march meeting

STANISLAUS AMATEUR RADIO ASSOCIATION MARCH 19, 1996 The regular meeting of Stanislaus Amateur Radio Association was called to order at 7:33 P.M. by President Mike AC6PQ. Introductions were performed and there were 27 people in attendance. Treasurers report- Bob KC6TVE reported income \$1691.44 expenses \$445.79 check book balance \$3,864.61 equipment fund \$553.20 net of \$3,311.41. Technicians report-Leroy NV6S reported that the 6 meter antenna is tuned and crystals are ordered. Hopefully in 2 to 4 weeks it will be up. He has two racks available. He is waiting on the outcome of the Red Lion change of ownership before installing any antennas there. Intermod interference was discussed. Communications-Barb KE6SUM reported that ARRL invited the club to join their list of clubs, communication given to President Mike AC6PQ for action. Old business-Sara equipment- Berry KN6ZE said he felt that maybe we could use other equipment. Jim N6UGH listed the equipment that the club owns now. Motion by Jim N6KMR to keep the HF, tuner, and power supply, seconded by Leroy NV6S. Passed. Motion by John KE6VVI to sell the remainder, seconded by Berry KN6ZE, passed. Motion by Jack KE6SUO to change the access code for the phone patch seconded by Darrell WA6FBE passed. This is as an incentive to support the SARA club. Field day Jim KE6HVB said he has no objection to last years site, other locations were discussed. 8:27 Break 8:45 meeting called back to order by President Mike AC6PQ. New Business-Leroy reported that Steve KE6FNU would be willing to collect cans to recycle with the proceeds to benefit the club. He will pick up if people will let him know where. Motion to accept Steve's offer seconded by Bill KE6SAE, passed. April 14th. is the Multiple Sclerosis Walk a Thon, Tony KD6YAZ is net control help is needed. April 27th is the Canyon Classic, April 28th is the Crop Walk Leroy NV6S is in charge. May 11th is the Tour de Cure. Larry WB6GJT suggested that a Ham operator be with any EMT's in an emergency so condition of injured can be relayed to others. Jim N6KMR made a motion to delete the 10 meter digi and make a BBS for the club, seconded and

passed. Bill KE6SAE asked about social events. This was discussed and those who wanted to could get together after fox hunts or walk a thons to socialize. Kathy KE6QHC, Leroy NV6S and Jim N6KMR will try to put together a fox hunt. Jim N6KMR will give a report at the next meeting. Jim N6UGH reported on the first Marysville swap meet. Darrell WA6FBE won 3 prizes. Discussion on gangs of thieves that are working the swap meets. Anyone who is selling things should have one person who is just watching the people. A motion to hold a raffle at the meeting was made and seconded by John, passed. The club appreciated the attendance of so many members and Chuck NW6G at the meeting. Motion to adjourn was made by Jim N6KMR seconded by Leroy NV6S passed. Meeting adjourned at 9:17 P.M. Respectfully Submitted by Barbara KE6SUM, Secretary

SARA MIN ... april meeting

STANISLAUS AMATEUR RADIO ASSOCIATION April 16, 1996 The regular meeting of Stanislaus Amateur Radio Association was called to order at 7:35 P.M. by President Mike AC6PQ. Introductions were performed and there were 24 people in attendance. Treasurers report-Mike AC6PQ, acting as Treasurer Pro Tem gave the report. Total to date income \$2,613.00, Expenses \$1,294.00, check book balance \$3763.00. Compared to 1995 income down \$637.00 Expenses down \$916.00 first quarter ending. Technicians report-Leroy NV6S was absent Jim N6UGH reported that Leroy is still waiting on the arrival of the crystals, and the auto patch code has not been changed. Communications-none Secretary's report-Barbara read the minutes of the last meeting, motion to accept the minutes was made by N6KMR seconded and passed. Old business-MS walk was discussed Mike gave thanks to Chairman Tony KD6YAZ and the many hams that participated and did double duty because the M S people did not show up. Canyon Classic was discussed it was suggested that people that work it have a 440 mobile radio because communication conditions in the canyon are very poor.

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Mike will contact KC6TVE to find out who is in charge and how many people are needed. Field day, list of information that Bill KC6VWO needs was read by Barbara KE6SUM. Bill needs to know how many people plan to attend, how many generators will be brought up, and noted that long extension cords are needed. He would like to have some people make antennas to be used up there and given away at the end of field day as prizes. A 2 meter and a 440 antenna was suggested as well as two long wires. A person is needed to go up the day before to set out signs and stake out area. Pot luck on Sat. Night. N6KMR suggested that everyone bring their own meat and drinks and make a dish for a pot luck dinner. Bill KC6VWO has a bar-b-que that the club can use if someone with a pick up can take it up. Sanitation was discussed. Steve KD6YCB will check to see if he can get a port a potty donated for the club if we pay the dump fee. Steve made a motion that \$200.00 be made available for either or sanitation or campsite with a bumper or \$100.00 if absolutely needed. Seconded by Larry KC6GJT, passed N6UGH opposed. A J pole antenna was donated by Kataoka Radio in Salida for a prize. Fox Hunt. Jim N6KMR reported that the fox hunt will be May 18th. At 11 AM. There will be an entry fee of \$1.00 and the winner takes the whole kitty. 8:25 Break 8:40 meeting called back to order by President Mike AC6PQ. New Business-Mike AC6PQ reported that the Elmer program will soon be set in motion. With the Elmer program people that are seeking information will be able to ask someone who is more knowledgeable in the field there will be more info at the next meeting. The clubs surplus equipment was auctioned off. A Icom 02AT HT brought in a price of \$100.00. N6UGH Jim gave a report on the condition of Chuck NW6G. Jim and Bob N6OCS visited Chuck at the hospital in Livermore and reported that he seems to be getting on good and that his spirits are good. They took him 2 cases of Diet Pepsi as a gift. Open Discussion- The floor was opened for any discussion Jack KE6SUO asked about maybe having antenna classes. Mike AC6PQ is still trying to get a packet class organized. He also gave the net information to the new members and invited them to join in on Thursday nights. Drawing was held and \$28.00 was won by Jim KE6HVB, and the club received \$28.00. Tony KD6YAZ made a motion to adjourn seconded by Jim N6KMR. Meeting adjourned at 9:17 P.M. Respectfully Submitted by Barbara KE6SUM, Secretary

SCUTTLE BUTT:

Well were off to bang up already this year. We've got some good projects on the board, to do. Theres this elmer thing Mike is cryin about and then Field Day that Bill has or is tryin to put together. Raffles at break during the meetings... 50/50 pots aren't to bad. Plunty of juicy scuttle butt stuff butt there all about me so I don't what to bore you with my problems that you already haven't heard of!!! Heard that ole Chuck NW6G felloff the rocker at home and broke his pride... Then Skipp N6ZAA is back commuting to the bay area again, hope you make alright there Skip... N6UGH is spreading lies about certian members ask him face to face. He may tell the truth .. Then he may not? continued someplace else !!! look.

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so we volunteered again. The day went off with out a hitch for our part, the fact that there where no supplies until after the walkers had left and the dinners were very late, didn't both us any good but we did our best and without our help the whole thing would never happened. I'd like to Thank each and everyone for all there help the New ham at rest area #1, was JIM KATAOTA ,KF6BPC. The NEW Ham at rest area #2, was Steve King, KF6BPB. The New Ham at rest area #3, was Duane Sppyksma, KF6BPA. The next new Ham was at rest area #4, Nanette Hartman, KF6BOZ. Leave the last three old vets (of walk-a-thon) rest area #5, was Steve Burleson, KD6YCB. Sag wagon #1, was Mark Lemmons, WB6BJN. With myself as net control Tony Gray, KD6YAZ. After the thing was over everyone was still willing to do another one and the lady that ran the walk-a-thon Mrs. Joan Thomas, said "Thanks you to each and everyone and to the SARA group for doing a impossible Job and without who's help would not have made it through the day for her. Thanks to a great bunch of hams 73s.. until next time.

FOR SALE:

Club Owned..... AEA pk 232 tnc unit w/ mailbox..... open for bid at the next club meeting. Bring your check book....

CERTAIN CLUB OWNED NO LONGER NEEDED ITEMS WILL BE AUCTIONED OFF AT EACH CLUB MEETING LISTEN TO THE NET ON TUESDAYS TO FIND OUT WHICH ITEMS WILL BE GOING FOR AUCTION..

SARA Membership Application

Call : _____ Date: _____

Name: _____

Address: _____

City & State: _____

Zip Code: _____ ARRL Member?: (yes) (no)

Home Phone: _____ Alt Phone: _____

Occupation: _____

Date Of Birth: _____ Clas Of Lic: _____

Year First Licensed: _____

Dues: Renewal \$23.00 per year. Out of area more than 150 miles from Modesto is \$11.00. New first time applicants dues are pro-rated from the month you join the club. Use \$1.91 times the number of months remaining in the year. I.E- You join in July = $6 \times \$1.91 = 11.46$

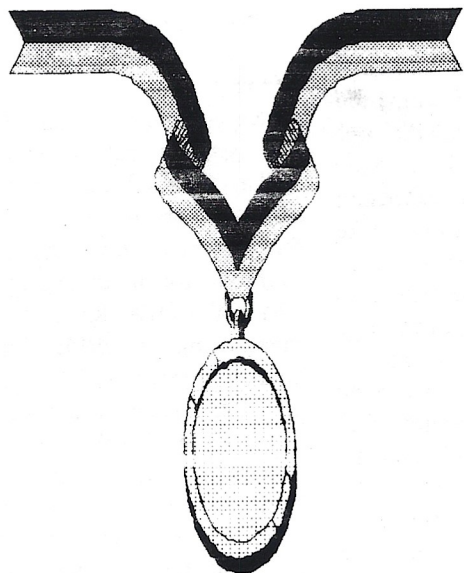
SARA, repeaters are, on MT.OSO/ 2mtr = 145.390- pl 136.5

220band= 224.14, / 440 band = 440.225- pl 136.5 / SARA
Ka-node =WD6EJF/ SARA= 144.91

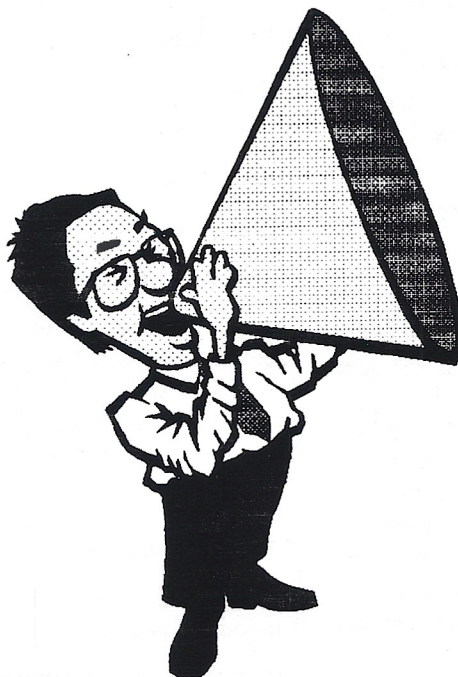
TECH REPORT by Leroy, NV6S

Hello To all, The repeaters have been operating since the last tech report without problem. I am planning some maintenance activities in the very near future which include primarily a tune up of the equipment. I also have some shrink wrap to install on some connectors on the hill top. The parts for the six meter repeater have arrived and I am in the process of getting it ready for the hill top. The transmitter and receiver have been tuned up thanks to the expertise of K6LPG. I am currently building the C.O.R. and ID board. The equipment consists of a Motorola Mitrek mobile radio being converted into a repeater. At the present time we have 60 watts out of the repeater with no measurable desense. We have two tuned cavities on the hill top and are planning to try using separate antennas for the transmitter and receiver. We are learning on this one and will have to see just what happens. Options also include building a hybrid ring circulator or using separate sites for transmit and receive and a link transmit and receiver to tie them together. I cannot let the frequency out until we are running on it. We are still looking into the possibility of a different site to get away from the interference problems on the two meter and 220 machines. Some times this takes far more time than we would like but if we are able to make it work it will be an improvement. Again I wish to thank those helping with the technical chores. Alex, K6LPG has been my right hand and the club owes him a lot. Al, KD6GIY has donated the Mitrek repeater for six meters. He also secured a donation of a set of racks from KMIX radio station that will be used at the repeater site. He is also donating the hard line and fittings for the six meter repeater. The club owes him a debt of thanks as well. Thanks to all who have helped in any way and 73 to all.....LeRoy -----

Also want to congratulate Leroy on the great work he is doing on the repeater system, long and double duty hours are spent doing this work plus planning the advances of the radio system. So as editor of this rag we give him this month the GOLDEN ACHIEVEMENT AWARD, " THE ATTA BOY " for the month of april 1996. the editor.



AWARDS FOR SERVICE ATTA BOY NOTICE



CANYON CLASSIC ... by Bob KC6TVE

ANOTHER SUCCESSFUL CANYON CLASSIC IS UNDER OUR COLLECTIVE BELTS, AND THE NORTH MODESTO AND PATTERSON ROTARY CLUBS EXTEND THEIR HEART FELT THANKS TO THE SARA GROUP FOR THEIR FINE HELP. IT WAS A GREAT IMPROVEMENT OVER LAST YEAR, THAT IS IF YOU PREFER WIND TO THE RAIN. THERE WERE SOME DIFFICULTIES WITH COMMUNICATIONS IN THE CANYON AND IN THE SAN ANTONIO VALLEY BUT WE PREVAILED. IF THERE WAS A SERIOUS EMERGENCY WE COULD HAVE GONE TO ANOTHER REPEATER FOR HELP. AS WE ALL KNOW ON THE AMATEUR FREQUENCIES ONE IS NEVER ALONE. MANY THANKS TO ALL THAT HELPED - KD6YAZ, TONY AS NET CONTROL, KD6YCB STEVE, N6UGH JIM, KC6MSQ KENT AT THE REST STOPS, AND WB6BJN MARK, KE6ULP GAIL, KE6SAB BECKY, KE6QHC KATHY, KE6ULO LEON, KF6BPA DUANE, KF6BPC JIM, KE6HVB JIM, AND KC6TVE BOB, IN THE SAG WAGONS. BECKY GOT IN ON THE MISFORTUNE OF A COUPLE OF CYCLISTS WHO CRASHED HAULING ONE TO THE HOSPITAL FOR A CHECK UP. TWO STICHES AND SOME ROAD RASH WAS ALL. THIS WAS ALL CAUSED BY A DOG, AND WHO SHOULD BE LISTENING ON THE FREQ., YOU GUESSED IT CHUCK, KC6YCH, WHO SPED TO THE SCENE ARRESTED THE DOG AND HAULED IT AWAY IN HIS PADDY WAGON. GOOD JOB CHUCK WE HAD MORE CYCLISTS TO GET BY THAT SPOT. THE VARIOUS -A-THONS WE GET INVOLVED IN GIVE US A VARIETY OF SITUATIONS TO HANDLE SHOULD AN EMERGENCY OCCUR WE MIGHT BE THE BETTER PREPARED TO HANDLE THEM.

THANKS AGAIN TO EVERYONE
BOB KC6TVE

Another attaboy goes out to those who sign up and help out.... the editor....

SPACE NEWS

SpaceNews

MONDAY APRIL 29, 1996

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for non-commercial use.

* WEBERSAT NEWS *

OSCAR-18 experienced a software crash at 05:50:11 UTC on 17-Apr-96. Initial operating software has been reloaded by groundstation controllers, and the satellite is currently transmitting telemetry, OBC status, and beacon frames on a downlink of 437.102 MHz using right-hand circular polarization. The digipeater is temporarily off the air.

Russ Tillman, KC5JVB, reported that the WEBERSAT-OSCAR-18 and LUSAT-OSCAR-19 microsatellites passed within 0.26 kilometers of one another on 23-Apr-96 at 02:03:33 UTC. The satellites are moving away from each other at a rate of 13.15 meters per second, although it will be some time before they move far enough apart so that their passes don't overlap at groundstations.

WO-18 and LO-19 were launched together with UO-14, UO-15, AO-16, and DO-17 on 22-Jan-90. As a result of this and their spring-loaded deployment method, they share similar orbits.

* STS-77 NEWS *

Ken Ernandes, N2WWD, reports that OMS-2 orbital data for US Space Shuttle mission STS-77 is available from the AMSAT-NA World Wide Web site at:

<http://www.amsat.org/amsat/sarex/orbit.html>

A full set of STS-77 nominal state vectors may be downloaded from the State Vector Tutorial page, that may be accessed by a link from the Shuttle Orbital Data page or at the following URL:

<http://www.amsat.org/amsat/sarex/vectors.html>

The following Keplerian orbital elements for STS-77 were provided by Gary Morris, KK6YB:

STS-77 1 99977U 96137.46937884
.00003995 00000-0 89987-5 0 12 2

99977 39.0081 270.8449 0008171
270.3851 295.4207 15.96521956 10

Satellite: STS-77 Catalog number: 99977
Epoch time: 96137.46937884 Element
set: 1 Inclination: 39.0081 deg RA of
node: 270.8449 deg Eccentricity:
0.0008171 Arg of perigee: 270.3851 deg
Mean anomaly: 295.4207 deg Mean
motion: 15.96521956 rev/day Decay rate:
3.99534e-05 rev/day^2 Epoch rev: 1

This data assumes a scheduled launch
time of 16-May-96 at 10:32 UTC.

* NEW FODTRACK ON KO-25 *

Manfred, XQ2FOD, has announced the release of the latest version of his FodTrack satellite tracking program. FodTrack controls the Yaesu G5400 and G5600 AZ/EL satellite antenna rotators through simple hardware interfaces. The new version also includes improved control of ICOM transceivers, speeds up control of Yaesu transceivers, adds frequency parking for ICOM and Kenwood (Yaesu doesn't need this) transceivers, and fixes a division-by-zero bug.

FodTrack was recently uploaded to the KITSAT-OSCAR-25 satellite where it is available as file number A165.

* SpaceNews AVAILABILITY *

SpaceNews is available regularly on Usenet in the rec.radio.info, rec.radio.amateur.misc, and sci.space.news newsgroups, and on packet radio BBSs worldwide as well as the AMSAT-OSCAR-16 Pacsat satellite. It may also be retrieved using the File Transfer Protocol (FTP) at pilot.njin.net (128.6.7.38) from the /pub/SpaceNews subdirectory. Internet users may also "finger magliaco@pilot.njin.net" for a copy of the latest issue, or access it via the World Wide Web at: <http://www.cs.indiana.edu/finger/pilot.njin.net/magliaco/w>.

* FEEDBACK/INPUT WELCOMED *

Comments and input for SpaceNews should be directed to the editor (John, KD2BD) via any of the paths listed below:

WWW : <http://www.njin.net/~magliac>
PACKET : KD2BD @
KS4HR.NJ.USA.NA INTERNET :

k d 2 b d @ a m s a t . o r g ,
magliaco@email.njin.net SATELLITE :
AMSAT-OSCAR-16, LUSAT-OSCAR-19

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WHAT YOU THINK?

SHOE SIZE CONTEST

This contest is sponsored by the Stanislaus Amateur Radio Association. All you need is: Call Sign- Name- Qth- Shoe Size. (i.e. AA6AA, DUDE, MODESTO, 10) BANDS to operate.: 10,6, 2, 220, 440, 1.2 TIME : for each band is TWO HOUR for each band starting at 6 PM. Ending at 11pm 10 mtrs and 6 mtrs = 6 to 8 2 mtrs = 7 to 9 220 band = 8 to 10 440 band = 9 to 11 1.2 band = 9 to 11 CONTACT points are as such : 1 pt. = FM / AM 2 pts. = SSB 3 pts. = CW BAND BONUS points are as follows for each contact : 10 mtrs= 3 bbpts / 6 mtrs = 2 bbpts / 2 mtrs = 1 bbpts/ 220 = 2 bbpts / 440 = 3 bbpts / 1.2 = 4 bbpts Each class of license has bonus points to level the playing field on each contact. CLASS OF LIC : NOVICE = 4 pts. / TECH = 3 pts. / TECH PLUS = 2 pts. / GENERAL = 2 pt. ADVANCED = 1 pt. / EXTRA = 1 pt. OUT OF STATE DX = 3 pts extra OUT OF COUNTY DX = 2pts. Keep you logs and get a copy to nokmr for conformation of points... make sure you have posted your score totals on a separate sheet. All entries must be members of the Stanislaus amateur radio association in good standings.

HEY YOU COOL IT



THE READOUT

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Contributions to the READOUT are always welcomed and may be submitted to the editor by packet, phone, modem or by disk in txt format, send packet mail too N6KMR@KD6JZZ or direct to me at N6KMR-1 on 144.910. The deadline for articles is the 15th of the preceding month of publication. Articles of religion or government politics are not accepted.

ARRL membership may be paid through SARA with the club recieving a \$2.00 commission. Please send your ARRL membership form along with your check to SARA, we will deduct the commission and place your membership with theARRL.

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Stanislaus Amateur Radio Assoc, Inc.
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~~PO BOX 4601~~
~~MODESTO, CA 95352~~

Fox hunt is May 18 at 11:00 am.

Next Meeting Is May 21, and also June 18, 1996 At 7:30 pm & You're Invited to come to the Stanislaus County Ad. Biulding downstairs in the conference room.... SEE YOU THERE.