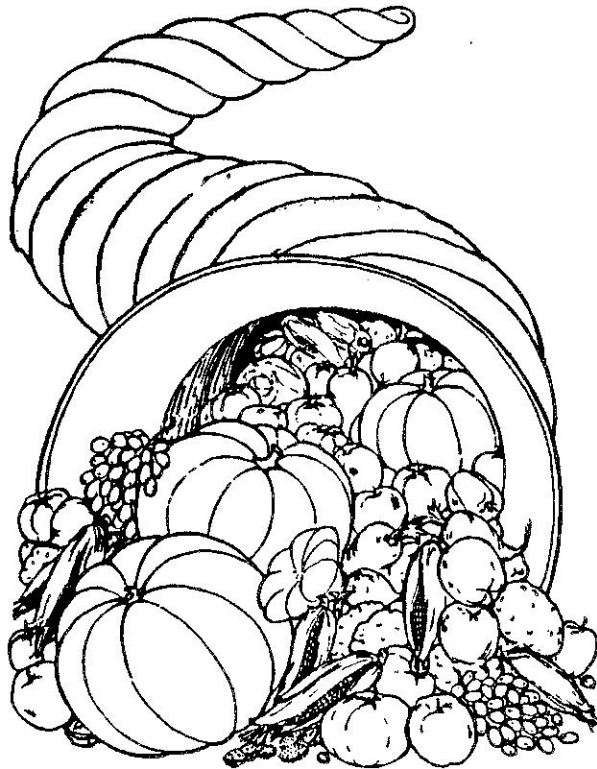


The READOUT

Year 11 Number 11 November, 1989

Happy Holidays



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

The *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. 145.38 MHz (-) located on Mt. Oso, 22 miles SW of Modesto at an elevation of 3,370 feet. Our 220 MHz repeater operates on 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, WD8EJF-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 Shaffer.....N6SAH.....537-5205

SECRETARY

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

TREASURER

Steve Farles.....N6EKV.....521-7834

NEXT SARA

MEETING

Nov. 21, 1989

730 PM

County Administration

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On Safari in Kenya, Africa

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200,000 Zebras 2 1/2 Million Wildebeests

By Ivan & Marge Lowe, W6SKH & KB6DYM

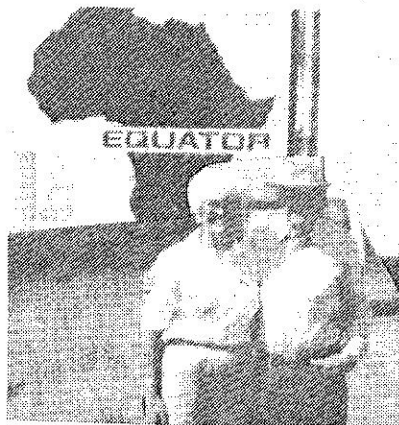
Last summer Marge, KB6DXM and I went on an exciting camera safari to Kenya, Africa. Kenya is on the East coast of Africa and is divided almost in half by the equator. The countryside is dotted with deserts, swamps, green rolling hills, volcanos and mountainous peaks including Mt. Kenya at over 17,000 feet and Mt. Killimanjaro which is the highest peak in Africa at over 19,000 feet.

In Kenya, Dr. Leaky unearthed the oldest humanoid fossil ever found which was over 400 million years old. Archeologists continue to dig today in the Great Rift Valley of Kenya. The country is populated by forty different tribes each with their own language.

Swahili is the national language with English spoken by almost all of the people, as Kenya was a colonial part of England until 25 years ago when they became an independent nation. It's form of government is similar to England's, ex-

cept the President is elected for life. It is required by law that every business display a picture of the President, even at little roadside stands.

During our stay in Nairobi, the largest city in Kenya, we were taken to the Karen Blixen home where she wrote the book, 'Out of Africa'. We also visited a giraffe reserve where we were able to feed these extraordinary creatures with the long purple tongues. Our last stop was at 'The Bomas', a cultural center, where we were treated to dances



Marge and Ivan Lowe

of the different tribes and a display of the different type of home construction.

At every stop throughout the tour, we were constantly accosted by vendors selling crafts. We could not even walk on the streets by the hotel without being approached. Our safari finally began as we loaded up in our pop-top mini

-See Safari, Page 13

Your Help is Urgently Needed! Treasury Dangerously Low

Expenses this year have put a heavy strain on our club treasury. The main expense was the cost of constructing a new building on Mt. Oso to house the SARA two meter repeater. Although all the labor and some of the materials were donated, the cost to our treasury was nearly \$1,000. We are proud of our new building which will last for many years to come. However, it, and other expenses, have reduced our bank account to a dangerously low level. In addition, some expensive pieces of equipment involved with the autopatch are failing fast and need to be replaced. The problem



was discussed at the September 19, 1989 meeting of the club. After much discussion it was decided to ask all SARA members to **VOLUNTARILY** donate \$5.00 (or more if you want) to the club treasury to help us over this crunch. Remember, this is strictly **VOLUNTARY!** Your help is urgently needed to help us over this rough spot until the dues starting coming in for 1990. Send your checks to the club's Post Office Box, 4801, Modesto, CA. 95352 as soon as you can. Make your checks payable to SARA and indicate it's a donation for the club treasury. Remember, this is **YOUR CLUB**. Help support it! Thank You!

Your Support Is Appreciated

Chief Engineer's Report

Grunge Fixed Backup Repaired

On Thursday Sept. 28, Ed, WB6V, and I went to Mt. Oso and put the back up repeater back in service. We also took care of the grunge problem on the main two-meter machine. That problem was caused by the linking transmitter getting into the uplink receiver at the 2 meter site. We also went to the 220 site and repaired.

The power supply on the 220 repeater. The problems that I found on the backup repeater while I had it down for repair were that the receiver was off frequency and the discriminator was out of adjustment. I also added a preamp to the receiver which should give it considerably better sensitivity. It will not match the Spectrum machine for several reasons. The transmitter is only a ten watt model while the Spectrum is thirty watts.

The Station Master antenna used on the Spectrum has considerably more gain than the Isopole used on the backup machine. The antenna for the backup is mounted on the back side of the tower which is necessary due to space limitations. The mounting puts some rejection to the Modesto-Ceres area. Although I haven't actually checked this out. I suspect the Sinclair Duplexers used with the Spectrum repeater are more efficient than the ones used on the backup. It all adds up to a very noticeable difference in the coverage between the two repeaters. Since the backup is only used to fill in when the Spectrum repeater is down, or for

short periods simply to exercise the unit, I don't feel the expense of upgrading performance of the backup machine would be warranted. On Friday Oct. 20 I made another trip up the hill for additional repairs. The control receivers at the two meter site had failed and simple adjustments took care of that.

During the power outage just after the earthquake, our backup repeater came on instead of the main repeater when we were on emergency power. The problem there was a wire that had been left disconnected during recent repairs. Also during the power failure the 220 repeater failed which was caused by a blown fuse.

We have also been experiencing problems with the 220 link uplink from the two meter site to the 220 site dropping out. I have discovered that if you are transmitting a PL on your rig it will cause the 220 link to drop out. I suspect the PL mixes with the PL on the link transmitter and causes the drop out. That may be very difficult to solve.

As an additional note on the trip to Mt. Oso, the battery in my 4x4 decided that the top of the mountain was the place to die. I had to use the emergency backup battery to jump start the 4x4 but then it made it down the hill in fine shape. I would like to thank those who have taken the time to accompany me on the recent trips up the mountain. 73 LeRoy.

1990 Budget Planning

Newsletter Costs - Postal Increases

By Bob, WA6ZLO

During the past several years the costs of the newsletter, (like everything else) has increased. The main reason, postage increases! Three years ago, we purchased a bulk mailing permit which has saved us money over first class rates. And now it appears that another increase in the postal rates is in the offing.

Possibly as soon as late 1990, or for sure in early 1991. The consensus at this time it will be as much as 20 % for bulk mail and (5 cents) for first class mail. Assuming that the full increase of 20% goes into affect it would tack another \$99.28 a year to the our postage costs.

Presently, it costs us around \$89.00 per month to print and mail 200 newsletters. That's \$1,074.72 per year. A slight increase can also be expected in printing costs in 1990. Both (postage\printing) increase would add up to estimated \$116 a year.

So, the question is...what do we do about it. Let's look at some facts and figures. Our present membership is 169 which is about average for us. That figure can be expected to increase about 5% next year to 177 and more in the future as the population continues to grow.

Our income from 169 members would be \$3,380 if all members paid the full \$20. But, not all do. Some are pro-rated, some are family rates, some free memberships for license class

graduates and some for associate memberships. The treasurer should be able to tell you exactly our income, but I would guess that it's around \$3,000 per year.

So, as you can see, the newsletter takes a little more than 1/3 of the budget, our single biggest expense. In addition, insurance, equipment repair and replacement and site rental charges continue to put pressure on the budget. I estimate that better than 65% of our members do not make meetings for whatever reason. Many don't even use the repeaters on a regular basis.

For many, their only connection to the club is through the newsletter. Reduce the newsletter and the chances are your membership will also reduce. The value of a well done newsletter must not be underestimated in keeping and acquiring members.

So, do we absorb the increases, or do we cut back? Do we go bi-monthly as some clubs have done? That of course would cut our costs in half. Or, do we increase the dues? An increase of \$1.00 a year would bring in enough money to cover the increase. But what about all the other expenses which we must cover?

There are several pieces of equipment that have worn out and must be replaced..and it's not cheap. Liability insurance continues to

See Budget on Page 11

Tony Nobrega, W6TLM, Silent Key

Succumbs October 8th In Oakdale

It is with regret we record the death of longtime SARA member Antone F. Nobrega (Tony), W6TLM, of Oakdale. Tony passed away October 8th in Oakdale. He was 73. Tony was a native of Madera Island, Portugal and lived in Oakdale for 16 years with his wife Eleanor.

He worked 38 years for General Motors as a line inspector. He served in the U.S. Merchant Marine during World War II. He leaves his wife, one daughter, a brother, two sisters and several grandchildren. Burial was in Oaklawn Memorial Park in Oakdale. Our condolences to his family.

SARA Silent Keys

W8YIN	Charles Barnes	November 5, 1978	
NV6Z	Henry Deeter	July 7, 1979	
K8JFS	Charlie Mendoza	November 13, 1979.....	69
WB6VUS	Richard Jensen	January 21, 1981	
W6GCL	Will McAlpine	February, 1982	73
KA6GVR	Norman Goodwin	October 2, 1982	61
W6FIQ	Bill Dalton	December 20, 1982	76
N6BGA	Quentin Goodrich	March 18, 1983.....	64
K6AYL	Leo Nepote	July 12, 1983	60
W6ERE	Cliff Price	October 2, 1983	69
W6QH	Tony White	November 28, 1983	78
KB6DVQ	Stephen Perelra	April 2, 1984	66
WB6TUV	Bill Ponkow	July 19, 1984	69
N6HFU	Edgar Martin	May 14, 1985	69
WB6LSC	Glen Andrews	May 29, 1985	43
N6DXB	Joe Parker, Sr	January 14, 1986	61
K6PDE	Chuck Strobel	May 29, 1986	65
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WA6APF	Larry Merritt	May 27, 1988	80
W6OIN	Jack Scanlon	July 19, 1988	58
WA6OQF	Ray Olive	December 20, 1988	74
W6TLM	Tony Nobrega	October 8, 1989	73

Editor's Notes

By Bob Pinheiro, WA6ZLO

Our membership continues to grow with two new members this month. Welcome to Steve Vasconcellos, KC6FGQ, of Turlock. Steve is a Technician and works for Modesto Junior College as a media operations technician. Welcome to James W. Troyer, WA6KEP, of Modesto. Jim is a General and retired.

Oliver, WA6HHO has a new call to go with his Advance class upgrade. His new call is KJ6YZ. Speaking of Advanced, our apologies to Harry, WB6LZA, of Sacramento. We inadvertently listed him as a General on the last roster. He is, and has been for a long time, an Advanced Class Amateur. Sorry, Harry! Thanks for letting me know.

Ernie, K6UVI, is home recovering from a severe attack of Pancreatitis. Ernie got sick while visiting his folks here in Modesto and spent a day in Memorial North. They wanted to take out his Pancreas, but he wanted a second opinion. He got it at his home hospital in Eugene, Oregon. The doctor there felt that the problem could be treated with medication. So far, so good! The pancreas is a gland situated in the stomach that discharges digestive fluid into the intestine. Best Wishes Ernie!

You've heard about how law enforcement is fighting drug traffickers by not only arresting them, but CONFISCATING AND KEEPING their assets under State and Federal Asset Seizure Laws. This hits the crooks where it hurts the most, in the pocket book. Now I don't expect

anyone reading this to have to worry about all this.

But, here's one that you may not have thought about and very easily could hit home with someone reading this. How about confiscating and keeping your computer, telephone and modem, printer and related equipment? That's right, it can and is being done, not only in California but in several other states. It can happen if you are foolish enough to use your computer to commit a crime.

The most common example of this is Computer Hacking where a computer is programmed to try and hack (obtain illegally) long distance access codes using a telephone modem. The long distance phone companies, i.e. Sprint, AT&T, MCI and others, aggressively go after computer hackers who cost them millions each year in illegal charges. In fact, many carriers have sophisticated software installed in their switching centers that can detect hackers in their system and alert on duty technicians. Within a matter of hours, a trap can be placed on the hacker's line and all illegal calls recorded.

It's very impressive and convincing when you show a judge a computer printout showing all the attempts made from the hacker's phone. The Search Warrant follows and then the intrusive knock on the hacker's door. In addition

See Notes Page 12

SARA October Minutes

By Linda Franklin, N6REB, Secretary

The October 17, 1989 meeting was called to order at 7:30 p.m. by President Phil, WDOFFX. Introductions were made by 16 members and guests. A motion was made to accept the minutes as printed in The READOUT, the motion was seconded and approved. Treasurer Steve, N6EKV was not present due to operating as net control in the aftermath of the earthquake that had occurred earlier in the day.

Vice President Jo, N6SAH, gave a brief report that all bills have been paid and the balance in the general fund presently stands at \$377.27. Jo also reported that 42 people went to the dinner dance and because the Oasis had raised the minimum to 50 people, the club was penalized \$75.00. Those who did not attend missed another fun evening, and the possibility of canceling the annual club dinner dance for next year was discussed if the interest and response continues to dwindle.

Another suggestion to hold a raffle or garage sale to supplement the funds for this event next year was also mentioned. There were several price increases this year concerning the dance and in spite of several cut backs to compensate, the club was \$184.60 in the hole for the dance. Thanks and appreciation is expressed to the many contributors of donations to the dinner dance raffle. There were so many donations that some were set aside to be used for the club meeting raffles. Also a special thanks to all those who worked to obtain those donations. The raffle at the dance brought in \$119.00 which helped in covering the penalty for the small attendance.

WDOFFX reported on the repeater and said the patch is up and working good, but there is still a problem with the 220 link. He said he would like to make the club aware and to be advised that the whole repeater is on the brink of anything right now. Presently we can aim at only one thing at a time and first is the 440 links. Maybe the next thing would be a tone encoder board. Also the eventual selling and replacing the secondary or backup 2 meter machine.

Looking back the total repeater expense for 1988 was \$124.40 while the repeater expenses for 1989 was \$320.11. The voluntary assessment for the repair and upgrade for the repeater and equipment, as of this meeting, totaled \$149.00 with one member contributing \$100.00 of that total. There were two means mentioned that would bring revenue in to the club with very little for the club to have to do, but this will be explained to the new officers to pursue next year.

Hart, N6TIV reported he had an appointment to meet with the Teal Middle School Oct. 19th to discuss placement of the club station there. Charlie, KJ6GE reported that the bike-athon went pretty well, but there were not enough SARA members present so people from the Turlock club showed up to help. Luckily there were no emergency situations occurred. It was mentioned that a new slate of officers will be coming up soon and everyone was asked to be giving this some thought. Phil, WDOFFX read a letter to the club officers from

See Minutes on Page 12

Amateur License Fees Proposed

\$35.00 Every 10 Years

On October 5, 1989, the House of Representatives passed a massive deficit reduction bill including the introduction of license fees for the Amateur Radio Service. The ARRL is working to exempt Amateur Radio from the fees on the basis that Amateurs do not use spectrum for commercial gain and that they provide valuable public services. They (ARRL) further argue that the fees are in excess of the actual costs incurred by the FCC in processing license applications.

It is not known at this point exactly how the FCC would conduct its fee collection program if the legislation passes. Currently, many fees are collected by the FCC and maybe a way can be found to keep the fee collection from becoming an added burden on the Volunteer Exam program.

According to Tom Cohen, Senate Communications subcommittee staff member, "We

are trying to treat everyone fairly and equally across the board who is using spectrum or using the FCC for the processing of spectrum licenses. Amateur radio fits into that category. Their fee is \$35 generally; there are other fees for modifications. Their permit comes up every ten years.

So, we figured, and in fact this has been told to me by one of the Amateurs, that \$3.50 a year is not a lot. But if we are going to exclude people from the fees based on whether they serve the public, which the amateur people are doing, I don't know of any licensee out there who doesn't serve the public and doesn't meet public interest obligations.

So, that's why they were included. Now they are trying to get themselves stripped from the bill." So, don't hold your breath on this one. It looks like another loss for the Amateur Service.

Ham Station On Queen Mary QRT

Operation of the Amateur Radio Station aboard the Queen Mary docked in Long Beach was shut down on September 5th. The Long Beach ARC has operated the station from the Wireless Room of the ship for the last 10 years with volunteer operators from clubs all over

Southern California. Various problems forced the shut down, one of which was a requirement that operators spend more time talking to tourists visiting the ship. Operation of the station was the only live exhibit in the Queen Mary-Spruce Goose complex.

Budget

(Continued from Page 6)

take a big chunk (around \$600 a year). As you can see, the only answer is MONEY.. if you don't want to do without.

The average yearly dues charged by many clubs, large and small, is \$25.00. Presently we are at \$20.00. An increase of \$1 or \$2 per year would keep us afloat and still be reasonable for the services rendered. I hope that such a modest increase would not cause a hardship on any member especially those on fixed incomes.

At the December meeting of SARA, the budget for 1990 must be adopted. How we are going to handle this situation must be decided at that meeting. So, PLEASE, make an effort to be at the meeting on December 19, 1989. If you can't, please drop a note in the mail or call one of the officers listed on page 2 of each newsletter and let them know how you feel about this situation. Your input is needed and valued.

C.W. Award Logs

According to Dave, KJ6DL, no logs were received for the Novice\Technician CW Award for the first quarter of October. With the California QSO Party just concluding, Dave is hoping that a bunch of contacts were made. Logs for the quarter of October 1 through December 30, 1988 are due by January 10, 1990. Send them to Dave, KJ6DL, at P.O. Box 691, Ripon, CA. 95366. Good Luck!

Telegraphy Obsolete?

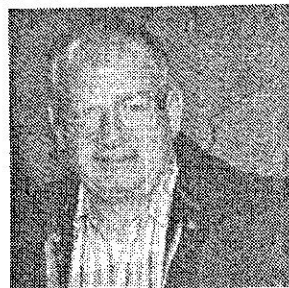
Exxon Says Yes

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Unions are objecting on safety grounds, contending every large merchant ship should have someone trained to repair radio equipment and handle communications leaving the Captain and crew to supervise other operations.

Exxon says the absence of radio officers aboard sea-going vessels is "...just a false issue raised by certain unions trying to capitalize on the unfortunate Alaskan oil spill." Exxon says it has ensured safe communications on its tankers by installing duplicate radio systems and training various crew members to operate them. -W5YI Report

Meet SARA Member



Walter Caton, KJ6IC

W6QDL

E.W. (Mac) Mackenzie

Silent Key at 77.

1979 SARA V.P.

It is with regret we record the passing of former SARA Vice President, Ernest Wayne Mackenzie, (Mac), W6QDL at age 77. He died in Paradise, CA. Sunday, Oct. 8, 1989 of complications of pneumonia. Mac was Vice President of SARA in 1979 while still living in Oakdale. He retired to Paradise in 1979.

Mac was born in Napa, CA. and grew up in Willits, CA. He served in the Navy's Sea Bees during World War II. After the war, he worked as a sales representative for Toledo Scale Co. in Santa Rosa and later went into business for himself. He designed, engineered, distributed and repaired scales.

Mac was a member of the American Radio Relay League, National Rifle Association, and Golden Empire Amateur Radio Society in Chico. Survivors include his wife, Vavian of Paradise; two sons, Scott A. of Paradise and Wayne K. of Joshua Tree, San Bernardino County; two brothers a sister and four grandchildren. His remains were cremated.

Editors Notes

(Continued from Page 8)

In addition to the hacker's body, all the computer equipment used to commit the crime is seized, kept for evidence and then forfeited as equipment used to commit a crime. In case you want to look this nifty little section up, it 502.7 PC of the California Penal Code.

Speaking of Search Warrants, three California CBers have forfeited their illegal equipment to the U.S. Government. Officials executing a search warrant, seized \$3,000 worth of high power linears and "funny frequency" CB radios from homes in Sacramento, E. Palo Alto and Oakland.

After receiving many complaints of TVI, FCC engineers from the San Francisco Office used specialized direction finding equipment to trace the violators.

All three refused to allow FCC personnel into their homes until the FCC showed up the U.S. Marshals. 73, Bob

Minutes....(From Page 12) Bob, WA6ZLO in regards to The READOUT and the increasing cost of putting it out. Bob also had a suggestion on increasing the clubs revenue. This is to be presented in The READOUT for the clubs

response. No raffle was held at this meeting due to the small attendance. The meeting was adjourned at 9:00 p.m. Respectfully submitted by Secretary N6REB. -Via Packet WB6V-BBS

Safari to Kenya.....

Continued for Page 3

vans and left Nairobi. We traveled to the Great Rift Valley, which extends across borders to the Fig Tree game reserve on the Maise Mara. Many of the Maise people live there in the same type of tribal conditions that they have lived in for centuries.

During July of each year, large animals move into the Rift Valley searching for food. We witnessed thousands of wildebeest and zebra pass through the valley. It is estimated that

Poaching is big business despite Government attempts to stop it.

200,000 zebra and 2 1/2 million wildebeest migrate to this area each year in search of food. They eat the grass down till there is no more, then leave in October looking for greener fields.

I took a hot air balloon ride over the area while Marge, who doesn't like high places, followed along with the chase crew. Roads in Kenya are very rough and sitting in the back of the van you can bet that we felt every bump.

The unemployment picture in Kenya is bleak. If there is a job available, it usually takes several men to get it done as machinery is hard to come by. For example, we saw men working with sledgehammers and taking up concrete with their bare feet. Speaking of feet, the common mode of transportation for the natives is by foot. The average wage for a man with a job is about \$800 a year.

The country offers no social welfare system and beggars are everywhere. The theft rate is very high and tourists were warned to secure their valuables. During our travels, we visited a total of five game reserves and during game runs, we were confined to our van. The drivers supplied drinks and binoculars so that we could see the animals up close.

Next we traveled to Lake Nakuru to see the flamingo. There were so many it appeared the lake itself was pink. The lake is not very deep and the flamingo eat off the bottom and from the food they eat they get their pink coloration. The reserve was entirely fenced and there were farms all around it. If a wild animal got out, the farmers would be within their rights to shoot it, even if it were a protected species.

The Rothschild giraffe is almost extinct in Africa, so the government moved several into the reserve to try to save the species. One of our vans had the view of a lifetime while there. While looking for leopards, they spotted a mother and

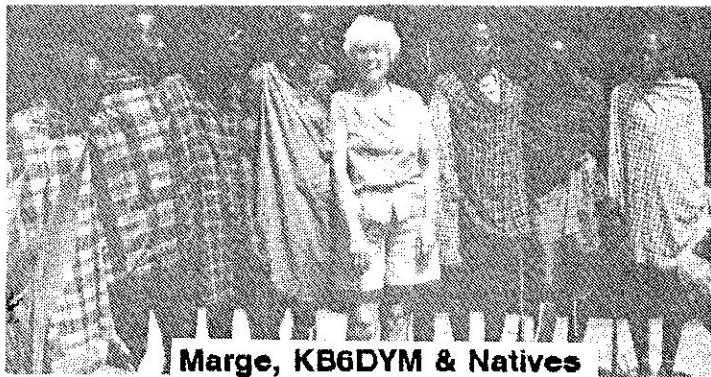
See Safari to Kenya, Page 14

Safari to Kenya.....

Continued from Page 13

her cub. While following her, they actually saw her make a kill. After she killed a female Impala, she dragged it right in front of the van. Because of poaching problems, it was required that we be back in quarters by 7 pm.

Poaching is big business in Kenya, even though the government is doing everything it can to discourage it. We observed an elephant standing off by himself all one day and night. This is very unusual as they are herd animals. Our



Marge, KB6DYM & Natives

guide told us it probably had been shot by a poisoned arrow and the poachers were probably just waiting for it to die, then they would go in and remove the feet and tusks.

The rhinoceros is also in serious jeopardy with only 400 left in the entire country. This animal is killed by poachers for its horn, which is considered an aphrodisiac in Asian countries and is valued for carving knife handles by the Arabs. The Tsavo National Park was our last reserve where we saw the rhinoceros. While in

the park we stayed at the Mt. Kilimanjaro Safari Club and managed to get a glimpse of the top of mountain through the clouds on the second day.

After 14 days, our safari came to an end with our return to Nairobi where most of our group departed for home. However, Marge and I stayed on another week and traveled the east coast of Kenya. We started this leg of our journey traveling on a narrow gauge train for an overnight trip to Mombasa, the second largest city in the country.

Mombasa is an ancient city, located on the Indian Ocean. It is inhabited by a mixture of races including Blacks, Arabs and East Indians. One of our stops was at Fort Jesus, which was

originally built in the 1400's by the Portuguese.

Woodcarvers work in this area in very crowded conditions with the simplest of hand tools turning out hand crafted animals that are sold to tourists. Marge shared a pack of gum with some of the children who were delighted to have their pictures taken which was contrary to the norm where most of the time we had to pay the natives in order to take their pictures. One of the side trips was to the ancient town of Lamu 350 miles away. We reached the town by 12

Safari to Kenya.....

Continued from Page 14

passenger aircraft which landed on a strip carved out of a Mangrove forest. After landing, we found out that there were no roads from the airstrip to the dock, so we had to walk a path about 8 feet wide down to the dock where we boarded a small boat to cross the water to Lamu. Lamu is an island town, built in the 12th and 13th century. Many of the original buildings are still standing.

There are no cars on the island as the streets are only wide enough for foot traffic and for the donkeys. One had the feeling of walking back in time. Gray water flowed down gullies in all the roads, heading to the sea. Our guide, Omar, told us there were septic tanks for human waste. Lamu is almost entirely populated by Moslems, so everything stops five times a day for prayer.

Our guide left us during lunch to go the mosque to pray. All of the shops closed during that time also.

The largest and most famous mosque in Kenya is located on the island. We were able to see the woodcarvers of Lamu who were different from those in Mombasa as they were making beautiful furniture. Much of it was sent to oil rich mid eastern countries for sale. Our visit to Lamu was an opportunity of observe a culture unlike any other in Africa.

The entire trip was an experience of a lifetime that Marge and I will cherish the rest of our lives.

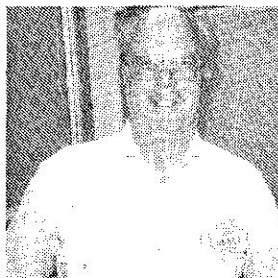
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Meet SARA Member



John Clemens, N6SZZ

CALENDAR

Nov18, 1989 VE Tests In Tuolumne City900am
Nov21,1989 SARA Monthly Meeting730pm
Dec. 7, 1989 VE Tests In Modesto.....630pm
Chrysler School
Dec. 9,1989 VE Tests In Modesto.....900am
Chrysler School
Dec19, 1989 SARA Monthly Meeting730pm
Jan.....16, 1980 SARA Monthly Meeting730pm
Feb20, 1980 SARA Monthly Meeting730pm

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

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

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