

ТНЕ СНАМР

A sense of humor Dry and wry Mischievous looks galore Tells you why El tigre always scores

God knows him well And always dwells Within this Champ Who knows Jesus Camp

Tragedy he knows And prepares his wife well Lifes ups and lows Dip into his well

Never at a loss To understand his cross Glory waits above Bringing him love IN

W60IN

Jack Scanlon

Charlean Graham

1930 - 1988

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

... THE READOUT FACTS ...

READOUT is the official publication of the Stanislaus Amateur Radio Association Inc. "SARA" P.O. Box 4601, Modesto, CA. 95352. Entered as third class mail at the U.S. Post Office Modesto, CA. 95352. Contributions to READOUT are always welcome and may be submitted to the editor, Bob Pinheiro, WH6ZLD 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 223.68 MHz (-) and is also located on Mt. Dso at an elevation of 3,500 faet. Both repeaters are equipped with an autopatch for the use of SARA members. SARA owns and operates a Packet Dipipeater, MD6EJF-1 also located on Mt. Oso at 3,500 feet. Frequency is 145.07 MHz. SARA conducts in informational net on both repeaters each Thursday evening at 800 pm with the exception SARA meets the third Tuesday of of holidays. each month at the Stanislaus County Adwinistration building at the corner of 12th and H streets in downtown Modesto. Meet inos begin at 730 pm. SARA is incorporated in the State of California, is an affiliated club of the American Radio Relay League (ARRL) and Stanislaus County RACES. Dues are \$15.00 per annum and \$7.50 for students up to sophomores Dues are pro-rated for newly in college. 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

Bud Pelletier	7
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SECRETARY	
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TREASURER	
Bob Vreugdenhil	7



JACK B. SCANLON, WEOIN, BECOMES SILENT KEY

With sincere regret we record the passing of SARA's Chief Engineer, Jack B. Scanlon, W60IN, who passed away on July 19, 1988 after a brief illness. Jack was 58 at the time of his death. Jack was born in Abilene, Texas in 1930 and later moved with his parents to Missouri. He spent 20 years in the Air Force from which he retired as a master sergeant in 1967. He loved flying and earned his pilots license in 1967 during his last tour of duty at Edwards Air Force Base near Lancaster. He was a radar and electronics technician while in the Air Force.

He settled in Modesto in 1968 and owned and operated Modesto Avionics, the first radio-electronics shop at Modesto Airport. Jack was generous with his time and talent helping many people and organizations. He was a member of the Stanislaus County Sheriff's Department Aero Squadron and a charter member of the Modesto Airport Advisory Committee where he was instrumental in helping prepare the first airport master plan. In 1976 he sold his avionics business at the airport and joined McGee Communications in Stockton as a traveling representative and service technician.

He was a member of the Turlock Amateur Radio Club and SARA for many years. He was a charter member of SARA when it formed in 1976 and was our first chief engineer. He unselfishly donated hundreds of hours maintaining our equipment and kept it in top working condition for over 10 years. Over the last several years he was painstakingly rebuilding his own small aircraft, which he had hoped to enjoy flying with his wife of 14 years, Lavonne. The poem appearing on the front page next to Jack's picture was written by Lavonne just a few days before his death. She used her pen name of Charlean Graham.

In addition to his wife, Jack is survived by his mother, Beulah I. Scanlon of Grandview, Mo. two brothers and two sisters. Memorial Services were held at Salas Brothers Chapel on July 22, 1988 with inurnment at Ceres Cemetery. The family prefers any remembrances to be sent to the Community Hospice, at 601 McHenry Ave. Suite C, Modesto, 95350 who were most comforting during their time of need.

EDITOR'S NOTES

By Bob Pinheiro, WA6ZLO

A pood time was had by all at Field Day exercise. SARA we will have the Next month with photo's story along Bud, N60CV, +++ The taken by effort to create a club sta-If you underway. tion 15 have anything you can donate effort it would be to the Cash or greatly appreciated. donations are the equipment Any equipment donated best. used for the station Can be to enhance the fund. or sold Bud. offered to NEDCV. has take any marketable donations to the Foothill College Flea sell it for the market and club. T'n sure each of us has something of value laying around that we are not using. So, why not donate it to the any of the cause. Contact officers for More informa-Their names and teletion. phone numbers appear on page 2 of each READOUT. +++ Radio Shack will soon have its second Amateur Radio selflearning manual OT sale. Gordon West's "New Technician Class" study guide takes Novices to the Technician level. page fully illust-The 112 rated book contains the 288 exact Element 3(a) questions and multiple choice answers. The price is \$3.95. +++Due

to Privacy Act limitations. Amateurs in Canada are havtake their license ina to with them when applying for vehicle call sign olates. reason being that the The government will no longer disclose Canadian ham radio licensing information to anvone. +++ The FCC in Gettysburg has started checking back with examiners listed on Novice applications to be sure that they indeed did participate in aivina the examination. Over 600 letters have been sent out already. The FCC advises that they are finding some Novapparently ices that were never tested by the examiners listed on their application. +++ The FCC newly rewritten Part 97 rules are available from the now government printing office. \$3.00 The cost is from the GPO Bookstore in Washington, D.C. The telephone number is (202) 783-3238. Order stock number 004-000-00468-0. It comes in a loose-leaf form. +++ Duracell battenies are being imported into the USA by one of their foreign sub-These batteries sidiaries. are not as good a quality as made here. Beware! 73.

WHAT TO DO IN A THUNDER AND LIGHTNING STORM

When thunder and lightning they can storms occur threaten life and property. Here are some tips on how to protect yourself. First, get inside a home or large buildor inside an all metal ing. (not convertible) vehicle. Inside a home, avoid using the telephone, except for emergencies. If outside, with no time to reach a safe building or an automobile. follow these rules: Do not stand underneath a natural lightning rod such as a tall. isolated tree in an open area. Avoid projecting above the surrounding landscape, as you would do if you were standing on a hilltop, in an open field, on the beach, or fishing from a small boat. Get out of and away from open water. Get away from tractors and other metal farm equipment. get off of and away from motorcycles, scooters, golf carts and bicycles. Put golf clubs. Stay away down wire fences, clothesfrom lines, metal pipes, rails and other metallic paths which could carry lightning to you from some distance away. .. Avoid standing in small

isolated sheds or other small structures in open areas. In a forest, seek shelter in a low area under a thick growth of small trees. In open areas, go to a low place such as a ravine or valley: Be alert for flash floods. If you're hopelessly isolated in a level field or prairie and you feel your hair stand on end indicating lightning is about to strike drop to your knees and bend forward putting your hands Do not lie on your knees. flat on the ground. Many people apparently "killed" by lightning can be revived if guick action is taken. When a group is affected, apparently dead should the be treated first; those unconscious but breathing will recover spontanprobably eously. First aid should be rendered to those not breathing within four to six minutes or less to prevent irrevocable damage to the Mouth-to-mouth rebrain. suscitation should be administered once every five seconds to adults and once every three seconds to infants and small children. If the victim is not breathing and has no pulse. CPR is necessary. Medical attention given to also should be victims who appear only temporarily stunned or

- NOAA

there may be hidden affects.

since

otherwise unhurt.

IT'S ONLY FAIR

Ron Jakubowski, K2RJ

Last month, I, along with another club member, visited the widow of a Silent Key to help her determine the worth of the remaining items in the shack. Like many of us, this ham had been a collector and prided himself on having a part for anything (built beform 1968!) The widow thought she had a veritable gold mine, unfortunately she was disappointed. The scene repeats itself year-in and year-out and lays heavily on us who are called to help liquidate estates. It seems cruel for a widow to rent a dumpster to dispose of many of her husband's treasurers. I would like to suggest that all hams, especially those over 50, take a good look at all that junk they are stor- -Cincinnati ARC, OH and ing in the basement, attic or Worldradio.

garage and get rid of anything that hasn't been used in the last five years. If you think something is too valuable to throw out, get the opinion of another, preferably younger, amateur. He may help you get a new perspective on things. This would be a good time to make a log of all your station equipment and what it's worth. I might suggest that the figures be reviewed by another ham for realism. If you don't have the time or stomach for doing the above. at least think about taking out an extra \$1,000 life insurance policy for the specific purpose of your junk. It's only fair.

WE'RE LOST!

An airliner pilot came on the intercom at 35,000 feet and announced to the passengers that he had some "bad news" and some "good news". First the bad news...."We're Lost!" Now for the good news..."We're making good time!"

SCREWDRIVER: The Jr. opp asked the OM the other day, just after the OM had received a king size shock of his rig, "How come you have so many different names for that screwdriver?"

-Nevada County ARC News & The ARCS News, Sacramento

HELP....If you are planning to move, PLEASE let us know BEFORE you do it. We use the bulk mail system to mail The READOUT each month which saves us postage costs. HOWEVER, the Post Office WILL NOT FORWARD BULK MAIL, even if you leave a forwarding address. If you notice above the mailing

label on the back the words..... requested. Return ed." That means fice will return if you have u 🗱 us your new adcharge U.M. 25 Here's the break 16.7 cents to originally by cents to get it



page you will see "Address corection postage guarantethat the Post Ofthe newsletter to moved and will give BUT. they dress. cents to do it! down on costs. mail it to you bulk mail. 25 back with your new

address and another 25 cents to mail it to your new address by first class mail. So, you see the whole thing costs us 66.7 cents everytime it happens. That gets a little expensive after awhile. So, please remember to let us know, before you move, so we can get the right address .

THE AMERICAN RADIO RELAY LEAGUE, INC.

SECTION MANAGER

SAN JOAQUIN VALLEY Charles P. McConnell W6DPD

All indications are that the second AMSAT OSCAR 13 kick motor burn proceeded exactly as planned and that the satellite has been placed in its operational orbit. The beacon frequencies are: Mode B GB 145.812 mHz EB 145.985 mHz Mode L GB 435.651 mHz EB 435.677 mHz. Use of the transponders should start in 4 to 6 weeks.

OSCAR 10 will be unavailable for use beginning August 16 due to predicted insufficient solar illumination and reduced battery charging. If FMing of signals occurs sooner than August 15, do not use the satellite.

Listen to the AMSAT Nets and/or W1AW for more information.

Senator Wilson of California has introduced Senate Concurrent Resolution 127, identical in meaning to House Concurrent Resolution 317. These resolutions express the sense of Congress that is supports Amateur Radio and Amateur Radio frequency allocations. You should contact your representative and urge his co-sponsorship of H Con Res 317. When a majority of the members of the House of Congress become co-sponsors of a concurrent resolution, it is then voted on and passed. Although these resolutions are not legally binding, they do express congressional thinking on a subject.

As of July 1, 1988, the solar flux reached 193, a record high for cycle 22, and also for the last 3 1/2 years of cycle 21. You can listen to WWV at 18 minutes after the hour for propagation information. W1AW bulletins carry a Propagation forcast bulletin that is changed every Monday.

The 1989 ARRL NET DIRECTORY registration deadline is Sept. 1, 1988. If your net was listed in the 1988 edition, it will be automatically listed in the 1989 edition. If your net was not listed or the listing needs to be updated, please send a net registration card (FSD 85) which is available from ARRL HQ. All information must be received at ARRL HQ. by Sept. 1, 1988.

(Continued on Page 11)



WHAT HAPPENED TO CHANNEL ONE

Have you ever wonder why there isn't a channel 1 on your TV set? It seems that in 1946 the TV industry decided to reserve Channel 1 for use by local community television stations with a power limit of 1 KW. In 1948, the FCC ruled that the fixed and mobile service could no longer occupy the 72 to 76 MHz band on a shared basis and they would have to move. The ARRL suggested to the FCC that they move to 54-60 MHz which 1 95 channel 2 so that the second harmonic of ten meter Amateur transmissions would not interfere with TV reception on channel 2. Faced with the pospect of losing a channel, the TV industelected to ry give up channel 1 instead since it would have the effect least on TV advertizing. Thus channel 1 (44-50 MHz) went to the fixed and mobile service and channel 2 viewers had Amateur TVI to contend with when ten meters is open.

THIS & THAT

RESPONSIBLE The said dealer to the service tech applicant... "In this position we need someone who is responsible." "I'm your man!" said the applicant. "On mv last Job everytime anything went wrong. they said I Was responsible."

DID YOU KNOW: Pias do not play in the mud because they like it. The play in the mud because they dc not have sweat glands and in the hot summer sun. playing in the mud is their only method of cooling off and reducing their body temperature.

DID YOU KNOW: Pirates use to stick pretty much to the Caribbean Sea because green sea turtles lived there. The pirates would catch and stack the 150 pound turtles like cordwood on the ship's deck. The turtles would stay alive for a long time, giving the pirates a supply of fresh meat during their forays.

"WE DON'T HAVE ONE!

In the forties, superpowered border-blaster radio stations popped up along the border in Mexico. One of the stations XED in Reynosa. Mexico, which operated with nearly a Wat quarter of a million watts. XED's signal drifted considerably and often snuggled up against WSM in Nashville, hetrodyning against WSM signal on 650 KHz and adding all manner of squeals to the Grand Old Opry. Finally, WSM's engineers are said to have called the XED requesting they check their crystal for proper operation. "It cannot be our crystal!", came the reply. "We don't have one!" After the WSM engineers recovered from the shock they offered to send them one free of charge. The offer was accepted and the crystal promptly dispatched and duly installed by XED. There was great joy in Nashville that night because the crystal was cut for a frequency far from 650 KHz and all interference was gone. Dr. John R. Brinkley and his cures for prostrate troubles, using a solution made of the glands of goats, no longer competed with Roy Acuff and Minnie Pearl.

CALIFORNIA'S NEW DRAB LICENSE PLATES

If you haven't noticed, since January of this year, the DMV been issuing vehicles has plates which are drab in comparison to it's immediate predecessor. The new lackluster plate has a white background. blue letters and numbers and the name of the state in red. What's missing is the part that really set off it's predecessor, the gold horizon and the setting sun across the top of the plate. So, why did the statechange from the classy to the mundane? Of course, its cheaper! According to the

DMV, the materials used to make the classy plates (manufactured at Folsom Prison) were purchased from the 3M Company and apparently they are the only company producing such graphics. This fact, and the additional costs for the graphics, did not set well with state officials who decided to give up the classy for the drab. The graphics would have cost the state an additional \$2.8 million over the next 5 years and officials decided it was not worth it.

AMERICAN RADIO RELAY LEAGUE (Contined from P-8)

To get a new DXCC application package (containing MCS forms 16, 164, 216, and 253) send a business size SASE with 2 units of first class postage to ARRL HQ.

If your Amateur Radio License, DO NOT ENHANCE IT. If you go over the letters of your license with a pen or pencil, it automatically voids the license. If your license arrives in an "unreadable" condition, you should request a duplicate from the FCC in Gettysburg, explaining the circumstances.

Effective September 1, 1988, the VHF-UHF Century Club (VUCC) is available for laser contacts above 300 gHz. The minimum number of grid squares to qualify is 5 squares between licensed Amateurs using coherent radiation on transmission and employing at least one stage of electronic detection on receive. Plaques are offered to the first 5 qualifiers for this award.

The Radio Amateur Callbook, Inc. reports that because

of a computer programming error in the 1988 Callbook Supplement, all Novice licensees are incorrectly listed as Advanced. This means that the supplement (V. 66 N. 2) can not be used to determine license class.

The 1989 International Callbook is supposed to list the addresses of Amateur in the USSR. It is now permissible for USSR Amateurs to be QSL'ed directly. They can send and receive QSLs directly. Please use IRCs for return postage.

ARRL membership is now at an all time high, with 1000 more members than one year ago.

The 1988 ARRL Pacific Division Convention is scheduled for October 14-16s, 1988, at the Le Baron Hotel in San Jose.

The 1988 Reno Hamfest, sponsored by the Reno Area Radio Clubs, will be Saturday August 20, 1988 at the California Building at Idlewild Park. Festivities start at 9:00 AM. Amateur Exams will be available. Contact your club or Curly, K7HRW, at home 702-972-3933 or work 702-827-8450.

JULY MINUTES- The July SARA minutes were not received from the Secretary before our press deadline. They will appear next month.

CALLBOOK ADDRESSES AVAILABLE BY PACKET

Have you ever worked a station in a state you have been really trying to get and then find out the call of the station you worked is not in your callbook? Have you ever had a QSL returned from the Post Office because the party had movæd and left no forwarding address? Is your call book more than a year old and out of date? If you answered "yes" to any of these questions and you are on Packet then read on. The WA40NG BBS system in Virginia equipped to access the is Buckmaster Publishing Co. CD-ROM Call Directory and provide addresses for U.S. Amateurs. The nice part about all this is the fact that you can access ONG through your local BBS system in your area. All you do is send a packet message to ONG in accordance with the standard format including the call of your local BBS (Bulletin Board Station) where you get your mail. Here's the procedure to follow.

1. Connect to your local BBS system that is set up for auto-forwarding. (W6FBC-2) in this area on 145.07 Mhz.)

- At the command prompt type:
- SP REQOTH @ WA4ONG. (Enter)
- 3. At the subject prompt type:

WA6ABC @ W6FGC (Enter)

The WAGABC represents the callsion of the station you want the address for. The "@" signs tells WA40NG to send the answer to you via W6FGC. Do not add the "-2" to W6FGC. It's not required! It is important to type the information sent to the BBS exactly as shown above with the spaces. Close with the usual Ctr. Z to save the message and close the file. Note, the BBS will ask you to enter the message after you type the information requested by the subject line. Disregard this and go directly to closing the file with a Ctr. Z. If you want request addresses to for more than one station at a time you separate the call signs with commas. Example-

WAGABC, WAGHAM @ WGFGC .

SIGN IN A REDUCING SALON: "What have you got to lose?"

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ADDRESSES BY PACKET

(From page 12)

There is a limit of 4 or 5 calls depending on the PBBS system being used by your home BBS. Sorry, you cannot get DX calls from this system. You will usually get your answer in 24 hour or less.

AIR MOBILE HANG GLIDER

Well that's exactly what took place recently in ZL land (New Zealand). It was Guy. ZL2BIV, who went soaring up to 6,500 feet above the South Island and made contacts through a nearby repeater and then went simplex to reach out over 100 miles. The twometre rig was a Kenwood TR 2500 hand-held taped to the control bar. All is not fun and games however, as the innovation is now spreading among other hang glider pilots who are NDT hams and they are making full use of the amateur frequencies and repeaters for air-to-air communications. These intruders are proving hard to locate as they can access repeaters at great distances.

-AXATTY Queensland, Australia via Packet radio. P.S. Meter is spelled metre down under. Ed. SARA DIGIPEATER TO .07

In Department of all and an exclusion of the contractional department of anti-entral state before and the approximation operation.

The SARA digipeater has changed frequency to 145.07 MHz. The move was made at the request of those SARA members who are active on Packet in order to facilitate easier access to the W6FGC-2 BBS at Twain Harte . At present, the digi is operating at only 10 watts of power on a 1/2 wave vertical. Plans are being formulated to increase the power and improve the antenna to give greater coverage and better service. At the July club meeting, funds were approved to purchase new coax and a battery. The search is on for a commercial grade mobile unit that will replace the Icom 230 presently in use as the digi.

SARA AUGUST PROGRAM

The devastating forest fires that hit Tuolumne County last summer will the topic of our speaker at the August 16th meeting of SARA. Ranger Allen Johnson, from the Groveland Division of Forestry office, will speak and show video tape of the fires which burned for over two weeks and consumed over 150,000 acres of forestland. Make your plans to attend.



By Tom Farr, WJ60 & Denny Dugal, WG6P

has passed and Another month not without some excellent DX happenings on the bands. Jim concluded a very suc-Smith DXpedition to Canton cessful T31JS and several 35 Island made the "sweep". local hams 10-80 phone working him OT CW. OSL to VK9NS, Jim's arid call. Another surprise home DX community mapcaught the a joint Finnish/when ping Soviet team activated what is said to be a new DXCC coun-4J1FS. Big pile ups 35 try. on this one for their limited stint. More details 100 hour one next month. The this **F**TT was_ up as TN4NW and Congo made a nice 5000 contact efeagerly anticipated fort. The Yemen operation by the Lynx DX group from Spain fizzled. and visa problems Passport eager EA plaguing the refuse to call operators who They may make it it auits. a very rare operfour vet rumors of an Still ation. Angola operation later in the year by the same burich. Solar Index num-Though the preat, the been have bers levels have also absorbance been high thus dampening some of the better openings expected by propagation watch-

WWV at 18 past the ers. hour is still a pood bet to is happening. Levsee what swing widely over can els the course of the day. Still very nice openings seen on 20 meters, both in our mornthe Far East and ings to long path to Africa. and in the evenings great European coming through from is DX with occasional 03002 on. stations from Africa boiling VK/ZL and other Oceania in. follow before most W6's go Increasing local bed. to noted in the DX interest Packet cluster operation on W6DAT, is 146.580 simplex. Redwood City. located in This network being ex-1 55 rumor has it arid panded there will be a Modesto Node be able to we will 500n 50 access current WWV information, beam headings, sunrise for DX stations and sunset QSL information. by prefix, DX station reports and other nice features to numerous to Should be a detail here. very nice addition to the a good DXer's toolbag and use of packet to boot. Stop monitor. Many stabv and tions hearing the network easily via Isopole antennas.

DX NOTES (Continued)

The generic "American Flag" stamps at 25 cents are now available at the Post Office in sheets. Two of them work well to send most out of country first class QSL mailings (envelope,QSL and S.A.S.E. with IRC's or a "green stamp"). Don't forget to check 10 meters occasionally for a surprise or two. but rely on 20 for most of your DX work. You won't be disappointed. Low power doing good job in most cases. a Good luck and please give us some feedback on this column so we at least know you are reading it HI HI. 73 and good DXing DE WJ60, Tommy, and WG6P, Denny

SARA ROSTER NEXT MONTH

The SARA club roster will be included in the September issue of The READOUT. It appears twice each year in April and September.

HOUSE WIRING CONDUIT

House wiring is becoming a popular conduit for all sorts of electrical devices. NEC is testing a system that allows data communications to be sent from computers to peripheral devices such as security devices, audio/visual systems and household appli-. ances over existing power lines.



CALENDAR III

Aug.	16,	1988SARA Monthly meeting730 pm Program: 1987 Stanislaus Forest Fires. Groveland Ranger Allen Johnson. Video and speech.
Aug.	20,	1988Sierra Hamfest in RenoAll Day
Aug.	25,	1988
Aug.	27,	1988
Sept. 9	-11,	1988ARRL National Convention
		Portland, Oregon
Sept.	20,	1988
		Program: Railroading with
		Jim Johnson.
Sept.	24,	1988VE Exams at Merced College 900 am
Det.	15,	1988Dance
		Dasis Restaurant, Modesto630 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 lowerlevel conference room starting at 730 pm. Visitors and interested parties are welcome.

ADDRESS CORRECTION REQUESTED RETURN POSTAGE GUARANTEED

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