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ALTO AMATEUR PARIO ASSISTED IN INC

MENLO PARK, CALIF 15025

CIVIL DEFENSE

RADIO CLUB



KOYQT

11973

ADMINISTRATIVE

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PAARAGRAPHS Starr

Managing Editor: Lee Zalasnik, WE6BJB Assistant Editors: Andy Koreak, VE3PZK: Gene Reynolds, K6QOM: Eric Reese, WB6KQX; Tom Ohlsson, WB6KQZ; Gene Sussli, WA6NVU (San Carlos Bugle).

PALC ALTO AMATEUR RADIO ASSOCIATION, INCORPORATED, POLICY: 1. Membership includes subscription to PAARAGRAPHS:

2. Annual dues \$4.00 per year

3. Members will be dropped upon non-payment of dues;

4. Subscription to PAARAGRAPHS \$1.00 per year; non-subscribers will be dropped from mailing list as new names are added.

APPLICATIONS FOR MEMBERSHIP Send \$4.00 dues to PAARA, P.O. Box 911, Menlo Park, Ca. 94025 For info call 854 0803

COMMING EVENTS

MEETING NOTICE

Friday January 5th TIME: 7:30 pm. NOTE CHANGE IN LOCATION FOR THIS MEETING ONLY! National Center for Far Laquake Research. 800 Menlo Av. (one block south of Santa Cruz Ave.) FROJIAM: Dr. Robt Wallace, K60L will conduct tour of these new facilities which house the data acquisition equipment used in earthquack study.

BOARD OF DIRECTORS MEETING

Wednesday, January 10th TIME: 7:30 pm PLACE: The PARA trailar at SRI in Menlo Park, Ca.

News of the member of PAARA

Eric Reese, WB6K(X, has designed and is building a daudy little tone burst" device that solves the problem of getting into the 2 meter repeater. One is a PC board about 1" X 12". Call him if you want him to build one for you # 366-9994

The Club is well represented on the winter cruise of the Swedish ship to Mexico this year. Bob Allen, W6W D and his family are aboard as well as Tom Ohlsson, WB6K, , with his family. We do hope they enjoy visiting the many ports of Mexico and Central America.

Hey all you members and Subscribers! Eric Reese, WB6KQX, is working at J&H OUTLET in San Carlos, one of our regular advertisers. Now you can get SPECIAL attention since Fric knows all the goodies in their large selection of new and surplus items. Pay him a vist.

January 1973 By Les Vickery

Regular meeting December 1, 1972

The meeting was held at the Menlo Park Recreation Center, President Fred Canham, presided. The meeting attendance was 37.

Membership applications were offered to anyone wishing to join PA/RA.

Vance Wardlow and Fred Canham spoke about preparing the 1973 meeting calender in associaton with the San Carlos club. Program chairman Andy Korsak advised that the Rec Center will not be available during the summer. Andy suggested a field trip to KGEI in Belmont, which is agreeable with William E. Haney of KGEI, who was present. Bob Wallace of the U.S. Geological Survey offered to give a talk on earthquake reasearch, and explore applications of Amateur Radio in this subject.

Jim Lomasney, WA6NIL, gave the program talk on HF backscatter propagation. The diurnal variations in the ionosphere layers was illustrated and explained the refraction of radio waves. A time-lapse film was shown of measurements over several months on 30 and 17 MHz. dramatically recording on oscilloscopes return pulses over continuous 24 hour periods. Another film clearly recorded the changes of the E and F layers of the ionosphere on a signal path between California and Hawaii over many 24 hour periods.

After a question and answer session, the meeting adjourned.

BOARD MEETING December 6, 1972

The meeting was called to order by Andy Korsak, who presided until Fred Canham arrived. Minutes of the previous meeting were read, corrected, and approved. The treasurer's report itemized income, expenses, and balances for November. (cont to Page 14)

SIMULATED PAFRGENCY TEST

SET Cr. 27 & 28 January 1973 the Simulated Emergency Test (SaT) will take place in the United States and its territories and possessions. The Menio Park Civil Defense Club (K6YQT) and the Palo Alto Amateur Radio Association (PAARA) will operate on 2 & 75 meters. We will call members to help our mobiles between the curbs and our trailer operators take occasioal work breaks.

This event will not only test and demonstrate amateur radio operator readiness but this year we hope to contact all hams (members and non members) living in the local area. So if you hear a knock on the door and see several bright eyed hams that may appear to be overage left over tricks or treaters please do not set the dog upon them or call the local gendarme. They will be SET mobilers from # the PALO ALTO AMATEUR RADIO ASSOCIATION. If feasible we would like you, send a message via your rig to the club station trailer located at Stanford Research Institute, (SRI) Menlo Park. The mobiles will have copies of standard messages so just fire up ye old bucket of bolts & read into the mike. But if your rig is buried under last years Xmas Cards, bille old playboys or just undergoing perernial modification we'll understand and will happily send your message from the mobile. Would also appreciate one of your (SL cards and a quick lock at your ham shack to see how you keep the XYL from dusting the tunning knobs. If you can get a kitchen pass (or better, bring XYL along) come down to trailer at SRI and help up drink coffee, eat donuts and swap lies. - I hear this is an old Navy saying. (Andy)
I thought you're an Air Force man, Jerry

If you have any questions concerning this fun exerise placese call Jerry Starkey WA6LIJ at telephone # 964-6584. Lee now checks in

Lee now checks in

ARPSC net

on ARPSC net

X 3952 KHZ

MAILING ADDRESS OF THE EDITOR OF PAARAGRAPHS

Send all material for putting in the PAARAGRAPHS to: Lee Zalaznik WB6BJB, 2503 Santa Rita Rd. #39, Pleasanton, Ca. 94566

CHRISTMAS PARTY

By Jerry Starkey, WA6LIJ

The 1972 Christmas party under the superb direction of Gene Sussli, WA6NVU, (and much help from Dotty his XYL) was held at Sir George's restaurant in Redwood City. Approximately one hundred people enjoyed the psychological adjustment hour, delicious dirner highlights of 1972 activities, installation of new officers, drawing of door prizes, exchange of christmas gifts, presentation of Field Day plaque, and festive spirit.

Jack Fierce, WA6CCH, daughter Katie, Jack and Peggy McEnnerney did an excellent job with the Xmas decorations. Phil Coombs, K6CEJ, gave us the stirring sounds of christmas from his tape recorder. Names tag and the three question famous person's name on the back game resulted in many hilarious comments and considerable mixing. Sincere thanks to Norm Gordon, WA6NFM and daughters Lynn and Gwen; June Allen and Marian Starkey for this mixer. Les Vickery, WEARK, materfully handled greetings at the door and later the exchange of christmas gifts. Nice job Les. Mike Bach, WB6FFC added sparkle in greeting people as they entered. He also provided a door prize of 1000 Mini QSL cards thanks Mike. Marguerite and Larry Reed, W6CTH, and Bill Burris WA6CXJ, provided the nectars of the universe in the form of liquid spirits. Favors from Bank of America Via Fred Canham and Well Fargo Bank, Home Savings and Loan, American Savings, Great Western Savings and Loan, and Eureka Federal Savings via Marguerite Reed added much to the party. Top notch speeches by Chairman and outgoing president of the San Carlos club Gene Sussli; and past and new Palo Alto president Fred Canham demonstrated why our club are so successful. Thanks for your outstanding lesdership. Bill Jackson, W60W new San Carlos president described his goals- with emphasis on again beating PAARA on Field Day 1973. Jerry Starkey, WAGLIJ, and Larry Reed, W6CTH, awarded approximately 40 door prizes. Advertisers in PAARAGRAPHS were very generous: Red Johnson donated a Weston microampere meter; U-Do electronics, Drew Langley a stereo headset; Haltek two electric shavers; Flammingo Club Las Vegas dinner show for 2; Quement Electronics a power/swr meter; Ham Radio Outlet a transistor analyser; and Bill's (uality Electronics a low pass filter. June Allen graciously typed letters to advertisers. (contPage7) (cont from Page 6)

In addition, the three clubs spent approximatley \$60.00 on gifts. Jerry Starkey with a bit of humor and considerable needling awarded the Field Day plaque to San Carlos. Third in the nation is pretty good but watch out for PAARA in 1973. Master of Ceremonies, Gene Sussli, closed the party with thanks for participation and best wishes for the comming year. Gene, your planning organisation and leadership resulted in a most enjoyable party. Many thanks.

AWARD OF FIELD DAY PLA UE

By Jerry Starkey, WA6LIJ

Good evening Ladies and Gentlemen. I would like to tell you a whale of a tale about a lost weekend we call Field Day. Each year the San Carlos, Redwood City and Palo Alto Clubs compete on Field Day to see who can pile up the most points. Each year at the Christmas party we award this plaque to the winning club. This year the San Carlos club was outstanding. They bounced the ions, kicked the electrons and racked up 1,631 contacts for 3,862 points. San Carlos was 3rd in the nation. They did it with Fouteen people. Fourteeen sharp minds, silver tongues, technical giants who were immune to poison cak. To do what San Carlos did you must train, organize be efficient and above all have a good location. Operators ears must withstand many decibles of noise, they must endure considerable pain in the posterior caused by sitting 24 hours on hard chairs. So the weekend prior to field Day Bill Jackson had a dry run. He assembled five stations you would never guess where. He set up in the middle of Freeway 101 between the north and southbound lands. You can imagine the noise that his team learned to endure. Bill also knew that the mind can absorb only what the seat can endure so to prepare for the pain in the posterior caused by hard chairs he made each operator sit on manhole covers for 24 hours. This resulted in much more powerful and penetrating signals. You may wonder Just how/? We have all heard of the horizontally polarized signal and we have all heard of verticall polarized signal but after

(cont to Page 9)



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(cont form Page 7)

sitting on those manhole covers for 24 hours the San Carlos club introduced the waffle polarized signal.

Why and how were they more efficient? While operating they had medicated throat spray addministered by foot peddle control. They has oxygen piped through microphones and they did not stop to eat. Operators were fed through needles intravenously. Another reason for high efficiency was the fact that they used their people regardless of handicap. They had one fellow who thought he was a chicken. He would call CQ Contest, C Contest (sound of chicken) CC Contest (sound of chicken) this si K6DKX (sound of chicken). Needless to say that with such a call he piled up many points. But the next day his mother took him to the doctor and explained that her son thought he wasa chicken. The doctor talked with the boy and then asked the mother, "Why didn't you tell your son that he was not a chicken?" The Mother replied, "We needed the eggs". Another item of extreme importance on Field Day is the location of the Field Day Site. The San Carlos club had an unique site. A site which provided low noise, high elevation and hence a very low angle of radiation. You may wonder where this site is located and how the San Carlos club gained possession of this prime site. I'm going to reveal their secret. You see, the San Carlos slub owns a piece of the Rock.

In conclusion, I hope the Palo Alto club can develop the go power, the tiger in the tank and the enthusion for Field Day 1973 to that was demonstrated by San Carlos in June 1973. But with your 1st in Tri-City, 1st in California and 3rd in the whole United States you have given us a great goal which will be difficult to surpass.

On behalf of the Redwood City and Palo Alto clubs it si with some envy and a great deal of pleasure that I present this plaque to the Poet laureate, the head ham, and new perless predsidnt of the San Carlos club Bill Jackson.

FOR SALE

SWAN 500 C- Needs touching up and peaking otherwise in excellent condition. With 110 volt power supply and instruction book \$350.00 or offer, Call Mike Bach WB6FFC at 591-4507.

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LATE AT NIGHT: They tell the story of the electrician who tiptoed into his house at three o'clock after a gala night with the boys. But there, alas stood the electricians indignant wife. Said she, "wire you insulate?''

Credit J E Bauer's Post

AMATEUR RADIO PUBLIC SERVICE

By Hal Moore, W6DEF

The Redwood City CD and Disaster Communication Net member helped the Penninsula Celebrations Assoication again by furnishing communication for the Annual Children's Christmas Parade. It was a prade that lasted a little over an hour and it covered less ground than the 4th of july prade does so we only needed the Base Station W6WWJ and three others. K6ANN and K6DRN operated W6WWJ at the start with stations manned by W6V/V, WB6FFC, WB6KC, WB6M S, and W6DEF. It was an excellent parade and it was fun.

Merry christmas and Happy New Year to all member from the staff of PARAGRAPHS

ARRL OFFICIAL BULLETINS

#396 Oct. 19

Attention DXers. The October, 1972, issue of CST carried aDXCC Note announcing the addition to the ARRL Countries List of Mellish Reef. Acceptance date for DXCC submissions for Mellish Reef was announced as November 1, 1972. Most unfortunately, serious questions have been raised concerning the operation that have taken place from Mellish Reef and until such time as the validity of the points in question have been ascertained, no DXCC credits for Mellish Reef have been or will be, made. Therefore, please do not submit any Mellish Reef confirmations for DXCC credits until an announcement does appear in QST. Because of the delay in granting DXCC credits for Mellish Reef, the bottom number for the December subbmissions for DXCC Honor Roll will be 311 Deleted and submissions for that total will be accepted.

#397 Oct. 26

Attention contesters. The November issuse of CST details a new contest dis qualification criteria to become effective with the November Sweepstakes. If the claimed score of a participant is reduced by 2% of more, the log may be disqualified. Disqualification carries with it prohibition form submitting an entry in the next annual running of that specific event. Calls of those disqualified will be routinely carried in CST. Duplicate contacts removed by Headquaters will incur a penaly of # additional contacts to be deleted from the score totals. Full details on page 55 of Novermber QST.

#400 November 16

The next ARRL Simulated Fmergency Test will take place Jan. 27 and 28, 1973. This serious operating exercise test emergency preparedness on a community to community basis as well as long haul traffic facilities. There is a part for every amateur in the SET. Help do your share to justify the amateur serice in trems of public interest.

******************* PAY YOUR DUES ********* VERY IMPORTANT PAY YOUR DUES

The following have beem dropped from PAARA membership roll due to Non-payment of dues;

Richard Jeffery Allen (NC) Paul R. Barry CB KCA 6650 Lucien G. Clark WA6THF Earl W. Crocker W6VYC Norman J. Gordon WA6NFM Clyde Griffin WA6CBW Tryin M. Hoff WA6FFC 'Dom' Fermin O. Lopez WB6 PX Paul Mezzappelle jr. WA6NLJ. George F. Raven K6CG Jesse G. Sadler W2U F/6 Al Stainback, WA6GVP John Troster W6ISQ

All of the above will be dropped from the mailing list of PAARAGRAPHS as of I January 1973. Membership may be reinstated by payment of dues for 1972 and 1973

All member should arrange to pay their dues on or before the date of expiration shown on the address tab on PAARAGRAPHS. All may be interested to know that for present paid-up membership is 70.

Larry Reed, W6CTH, brought his Wennebago Auto Home along- Andy Korsak, VE3F K, his dish antenna and set on the skyline to watch the 49er- Rames game on Fresno TV. Lcts of fun and no blackout the Ammbitions hams!

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CURRENT EVENTS (cont from Page 4)

CD plans were discussed in detail. Specific operational details are needed to make the general plan complete, and acceptable to the City of Menlo Park. The January Simulated Emergency Test plans were discussed in conjunction with CD. Andy Korsak, Jerry Starkey, Eric Reese, and Hal Moore were appointed to acommittee to formulate SFT plans and clear them with Bob Allem.

Jerry Starkey reported on the Christmas party plans developed with Gene Sussli. \$20.00 was authorized for purchase of door prize gifts at the party.

Andy Korsak reported the TV project is ready to go on the air. In connection with emergency communications, Andy outlined some suggestions made to him) for the future of Amateur Radio. Such possibilites include carrying Project Oscar into regular sattelite communications, and exploring new innovations for advancing the state of the art in Amateur Radio.

Motions were made and approved to: 1. Issue \$12.00 for postage to Hal Moore for letters for the upcoming SET operations in January. 2. Pay \$15.00 to the Department of Motor Vehicles for the trailer license.

It was confirmed that the telephone committee call members who were not at the last meeting, to remind them the Christmas party is at Sir George's on Saturday, Dec. 16th. Meeting adjourned 10:00pm.

New member

Ronald Chediak (NC) 47 Ringwood AVE. Atherton, Ca. 94025 322-

Fellow ham Charles Oram, W6KRS, has suffered a stroke and is incapacitated on his left side. Now in Hillhaven Recuperating Hospital in Menlo Park. Our sincere condolences.

P.15 **ECHNICAL TOPICS A 6 Meter Antenna de WN6NCK Richard Ferranti

After purchasing a neat little o meter FM transmitter receiver surplus for \$20.00, it suddenly occured to me that I didn't have a really good antenna for that band. I decided on the groundplane configuration because it's the easiest (and cheapest, of course), way to effectively radiate a vertically polarized signal.

For this project to work well, you need a solid piece of bakelite or some very strong, highly insulating base that can be drilled and tapped. Exact dimensions of the one I built are on a drawing available by writing the PAARA, P. O. Box 911 or calling me at 324-1539. This drawing was too hard to put on a stencil) The whole base with mounting can be modified to fit whatever block of plexiglass or whatever wise you had on hand.

Tubing could have been used for a radial and radiating system, but it would have involved fancy threading techniques, so solid brass rod was used. A PL-259 female connector (SO-239) was screwed by virtue of a corner hole into the bakelite base. After everything is up and set, you can smear a little silicon grease on the connector to waterproof it.

The antenna has had no wind-loading problems, even in the extreme storm conditions of a few weeks ago. As far as performance goes, my little surplus rig picks up stuff all over the band, but since my call has that ubiquitous "N" in it still, I can only guess that the SWR is low enough for good transmitter loading.

Next month, time and patience permitting, will be a companion article on the conversion of the aforementioned 6-meter tig, the RT-176/PRC-10 FM transmitter-receiver. Maybe by that time 1*11 have my advanced license and I can use the crazy thing!

Blacked-out 49-er Watching Expedition

A couple of weeks ago Monday, Larry Reed W6CTH, Jerry Starkey WA6LIJ., and a few of my relatives drove up to Skyline Hwy above Los Altos to watch the 49-ers on Channel 47 in Fresno. We were cozy as a bug in a rug in Larry's Winebago with 3KW generator for power. Outside the frost was so bad that my knuckles got numb setting up the UHF ant, and preamp I'm not even a football fan--I just organized this trip for the joy of "beating the system" as a challenge through good use of ham electronics. The Sunday before Jerry and I drove up there for a "feasibility test". It was pouring cats and dogs up there on Skyline, as usual a lot more than down here. and the wind was blowing something fierce. Both Jerry and I had numb knuckles by the time we managed to find the right ant. direction, etc. What made me feel really bad about this whole caser was that I could have watched Ch.47 in the comfort of my home, as I will now explain: I have a 7 foot UHF dish ant. with probably 10db more gain than the small ant. we took up the hill, but I only got Ch. 24 out of Fresno so far. Well, just for a lark I hooked up the preamp we used o n the hill in series with the one already on my dish, and lo and behold, what do we see! Snowy picture on Ch. 47, with a blacked out 49-er game in my living room! All I need is a bit more gain in the line to overcome the evidently poor noise figure of my TV set and the line losses, and I'll be all set. The moral of all this to you football fans out there is: it can be done, with adequate ant. gain and preamplification, probably anywhere in our region of the peninsula. (unless you're behind some hill in the direction of Fresno) 2-Meter Project

Paul ex-WN6DQU got started preparing a p.c. board master layout for the tunable FM receiver designed by John Ellison W6AOI and demonstrated at the Dec. meeting. Bob Baum W6BFH built another copy of the W6HDO transmitter designed for our project but couldn't get it to work past the 72MHz stage, so he left it with me for "debugging" in exchange for a free washing machine part out of a caniballized one like mine. Once Bob's 2-nd prototype is working pro-

perly we plan to mass produce copies of the p.c. board for club members to build one and join in on the Mon. nite net and other 2-m. activitées. This transmitter is good for both FM and AM, i.e repeaters and rag-chewing. We had a history making turnout of club members last Mon. New participators were Vance Wardlow W6FLE(congrats, Vance, you've been nagging us to participate all this time!), Jerry Starkey WA6LIJ with a 2-er recently "demothballed" and Eric Reese WB6KQX. Also on was our Pres. Fred Canham W6QWF. By the way, I forgot to credit Fred for keeping in contact with Jerry and me on 2 during our "feasibility test" up on Skyline. The only problem was it was a Sunday and Fred was evidently entertaining or something because it took a while for him to come back to the mike inbetween Martinis and he didnt quite sound right even on AM -- we only found out later why. Gee, the Xmas cheer must be starting a bit early this year. Dast Saturday I called up Ed Fairbanks W6AIN to pick up an old TV he was givin g away, and when I asked for directions he said to take Ringworm up to Bay Rd. Well, he said Ringworm instaed of Ringwood 3 times so I knew it wasnt my hearing. Well, when we got over to Ed's place he greeted us holding a wine bottle, along with another ham, W&CGN I think, so then we knew it's that time of year! That's alright. Ed. the day before I was not able to drive home after an office party, so you need have any feelings of embarrassment. ATV Project

Last Saturday a few of us determined to carry out the project came over to the W60TX trailer at SRI and remounted the 440MHz transmitting ant. into a horizontal polarization position so interested watchers could use standard UHF TV antennas. We also mounted temporarily a vertically polarized ant. to watch video transmitted in the near future by Bill Jackson W60WQ from the Bel mont hockey rink. We were supposed to "pad down" some scrapped UHF converters out of old TV sets to give to club members that want to watch W60TX/TV but didnt get around to it--maybe next weekend.

Wayne Ryder W6URH and I are still working on a color TV camera using a single vidicon and striped color filters. Just had some new better filters made--too busy lately to try them. Maybe sometime in 73 W6OTX/TV will send club news in color!

Page 18 No news from the San Parlos Bugle this month.

SET

Simulated Emergency Test Saturday & Sunday, 27+28 January.

This year we will concentrate on gelling our mobile facilities into action. It you are or Strang, W6k15, 964 6584 or Bob allen, W6WQD, 3265142 at home or 326 6200 ext 2219. This year PHARA will have control on Saturday, 27, January. Contrat day we will need all the mobiles we ear Muster, Bob allen will assign areas and tasks, Besure he has your name and eall. Let him know what times you prefer both saturday & sunday.

Join The Fun

Go Mobile Participate.

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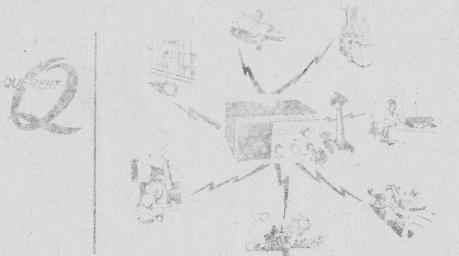
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