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AFFILIATED CLUB



AMATEUR RADIO
STATION W60TX

VOL. 20

1976

PAARA

GRAPHS

PALO ALTO AMATEUR RADIO ASSOCIATION, INC.

MENLO PARK CIVIL DEFENSE RADIO CLUB, K6YQT

Mar. 76

OUR NEXT MEETING: is at the same old Menlo Park Recreation center, near the Menlough Parque Memorial Book and Green Grass Collection (the library) and the Lovable Law-enforcers at the Police Dept. It is on Friday, March 5, 1976, and will commence at 7:30 PM pointly.

THE ZIPPY PROGRAMME: will be given by Ray Allustriati, W6JOV, and is all about high-tension power-transmission. This is from a talk Ray gave to the IEEE recently. Ray, a regular attendee and spy from the San Carlos Club, will punctuate his presentation with good-taste color slides and high-tension verbal discharges. Discussed will be these ultra-high voltage (500 kV) transmission lines, the substations, and the equipment and operating procedures. An electrifying time to be had for all (especially when we bring up the subtle overtones of S-9 powerline interference!) Come with the YL or XYL (or both) and get a charge (corona?) out of the evening.

Coffee Raffle Eyeball QSO's Tea Cookies Gonk Glop
Bring someone along and radiate ham radio!

AND YES, right you are, there's supposed to be a Board of Directors meeting notice here. Alas, Ye Not-So-Noble Editor has shoved Same down to the bottom of this page.

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SO go ahead and read this announcement on your way down: Ye Noble Editor quits, is finished, kaput, and etc. & so forth with the August Issue. This means NO MORE funny stuff unless YOU start thinking about taking the mess over yourself. It would be nice to start training some people for this wonderful task. Volunteer next meeting! Meanwhile send me articles so you can get rolling. Reason why Y.N. Ed. runs off is none of yr business except it has to do with graduate school (mainly the kind Back East, see?) Nuff said.

-----*****-----

Lest you forget (a subjunctive clause) the PAARA B. of D. meets on the usual Wednesday following the meeting, March 10, 1976, at 7:30 PM in the SRI parking lot somewhere near what is referred to as a "W6OTX Trailer".

PAARAGRAPHS IS THE OFFICIAL ORGAN OF THE PALO ALTO AMATEUR RADIO ASSN., AND THE MENLO PARK CD RADIO CLUB.

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MARCH 1976

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---YOUR CONTRIBUTIONS (ARTICLES, LETTERS, WRITTEN COMMENTS,
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1234 SANTA CRUZ AVENUE, MENLO PARK, CALIF. 94025

PHONE: (415) 324-1539 WEEKENDS

MORE STUFF TO KNOW THAT DIDN'T FIT ON PAGE 2....

HEY watch for a New Classy Cover design, which will have absolutely nothing to do with the over-used semi-nauseous Bi-centennial theme. Coming in 2 months...

POOR OLD ED, W6AIN, has been trying to get some help on the Raffle (which he runs quite well) for a long time. Could you help find prizes for this illustrious occasion? Doesn't take but a minute to help out.

PAARA also needs a club rep for the Central Cal. Radio Council (CCRC). See Fred K6YT for details.

Please inform us immediately (not sooner) of any Dumb Mistakes which we never make in address labels, calls, etc. ALSO tell us when you move, get paroled, or otherwise transport your environs elsewhere so we know where you are At. Brag a little and inform us of your callsign changes when you up/down/ or side-grade.

----***----

Entires will open on March 15, 1976 for the 29th and final Powder-Puff-Derby Air race (all women). It starts in Sakamenna and goes to Delaware, for reasons not fathomed by Y.N. Ed. However, Ham Radio is doing its bit for communications along the way. Feb. '76 issue of "Aviation News" says the thing is terminating after 29 years "due to the current economic and energy crunches." Women's libbers arise!

--passed on and made clear by Jerry WA6LIJ

Washington Birthday Greetings! George is reported to be the first ham as well as father of his country. Proof: After the cherry tree incident, Washington's father asked, "Who di dit?" George answered, "I di dit, da dah." (credit goes completely to Gerry W6NIR).

Ten-Tec's Newsletter "QTC" warns of receiver and FM xcvr failures (even car radios) when equipment is "on" and the car is being started. Voltage peaks can reach as high as 100 volts when you crank the engine and the regulator goes bananas. Turn rig on after engine starts. (FT-101B manual says the same). --W6NIR

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MORE ANNOUNCEMENTS ** PAARA PICKIN'S

AUCTIONS NEARBY

Saturday, all day from 8:00 AM onwards, at the Aeronautics Ford plant in Palo Alto. February 28, put on by the SPARKS Radio Klub. A Biggie. With Flea Market.

March 12 at 8:00 PM, the NPEC Radio group has their auction (reported last year in PAARAGRAPHS, remember?). This is at W6QIE's house, 222 Alta Vista in S. San Fran.

The Mount Diablo Club has their auction on Friday, March 19. Get on 66/06 WR6AHK repeater for more details.

The Grizzly peak club, 22/82 on WR6ABN has their auction on April 24 in Eagle's Hall, El Cerrito. Lotsa VHF gonk to mess with.

Hear of any others? Let me know. Of course, don't miss PAARA's auction, by far the best junk, in October.

What? You dint (Boston for didn't) know that we have a NET on Monday nights??? For shame and alack! TWO frequencies satisfy all: 147.45 FM for all the sane operators, and 145.24 AM for the, well...others. It starts on around 8:08 PM and ends when your finals blow up. We talk a lot and never get anywhere, but we do have fun finding where we aren't going. (OK you language analysts--cut your teeth on that!). Join us Monday.

Ah yes, there are other nets to get all hyped up about also:

W6WWJ, 7:30 PM on Mondays, RCCD Net, 145.49 MHz.

W6ASH, 7:45 PM, Mondays, the SPECS Net, at 146.0 MHz.

K6QFO net, RACES, Mondays at 8:00, 145.49 Hz and slightly earlier on 25/85, WR6AEA FM.

EMARC net, on Tuesday nights, 145.8 MHz AM and 147.45 MHz FM (like PAARA), at around 7:45 PM.

A Good Thing: Code Practice comes to two meters! WR6ADC, 147.84/24 is presenting code practice from 8 to 9:30 PM. This is a simulcast of W6QIE's excellent 80 meter (3950 kHz, which vastly improved many a ham's fist) code practice sessions. Everyday except Mondays. (TNX to the ECHO of the Amateur's Communication Soc., and the CCRC Circle.)

A REPORT OF THE 1976 S.E.T.

from Steve K6FS, E.C.

This year's SET occurred Saturday January 24 between 10 AM and 4 PM in the Menlo Park-Redwood City Area. This event's plan was to test communications in an emergency disaster relief plan developed jointly by the San Mateo Disaster Area and the Golden Gate Chapter of the Red Cross. The PAARA station, W6OTX, served as net control station with K6OTR over at the Red Cross building on Middlefield Road, as the alternate net control and administrative command post. Altogether eleven mobile teams were dispatched to sixteen sites previously set up by the Red Cross as critical to their operation, transmitting test messages back to NCS and Red Cross headquarters. During the exercise, 30 messages were handled, and signal, arrival, and assignment reports were exchanged between mobiles and NCS/ANCS.

Plans for this SET were drawn up by Steve, K6FS, ARRL/AREC emergency coordinator for Menlo Park, Redwood City, Woodside, Portola Valley areas. Pre-planning help was given by Pete Ashen, Disaster Officer, Golden Gate Chapter of the Red Cross, who gave a presentation to hams in Menlo Park January 13. In charge of operations at the PAARA trailer, W6OTX, was Fred K6YT, with assists from W6CUN and W6AIN who served as operators during the first half of the day, and by W6BFH and WA7DOX/6 during the latter part. Special help came from Jim, WB6ILZ, Fremont, in the form of a loan of a new FT-221 multi-mode 2-meter xcvr. K6OTR operations were run by Loren Chan, custodian of K6OTR, with help from Steve K6FS.

Each mobile reported by prearrangement to the Red Cross Hq on Middlefield and was given a packet of material with a map of the area to be covered, a list of sites where they would be dispatched by NCS, and test messages which they would send from each site. Both before and after the exercise the teams were briefed on the procedures. All traffic was handled on two meters, both 145.24 AM and 147.45 FM. In addition W6OTX listened on 3905 LSB for simulated earthquake advisories from Bob, K6OL, who was independently mobile in the San

Simulatingly continued next pg...

SET REPORT CONTINUED.....

Andreas Fault area, Portola Valley. (Bob is a geophysicist with the US Geological Survey, Menlo Park, Specializing in techniques of earthquake prediction.) Mobile teams operating during the SET were: WB6FFC, headed by Mike Bach, WB6JFH headed by Dave Harper, W6NIR headed by Gerry Wagstaffe, W6BFH headed by Bob Baum, WA7DOZ/6 headed by Terry Conboy, W6UOK headed by Glen Baker, WB4GIT/6 headed by Rob Shostak (also on 3995 LSB, WA6NCX headed by Rick Ferranti, W6AIN headed by Ed Fairbanks. Single-operator mobile units were Ve3FZK, Andy Korsak (also rather tenuously on 3995 LSB) and K6SEM, Bob Wheeler.

During the test period, a sample contact was made by K6OTR with K6QFO via WR6AEZ repeater on 25/85, tying Red Cross HQ with the San Mateo County Emergency Op center in Redwood City.. In addition, Dick, W6WVP in Portola Valley checked in and monitored 145.24 to serve as a mobile to base relay if needed.

There was a good meeting with Pete Ashen on Feb. 10, with the result that participants who wished to receive Red Cross I.D. cards would do so. Also, plans were drawn up for a full disaster communications plan for South San Mateo County, involving support by PAARA through a network of mobile/portable/fixed ham rigs.

PAARA thanks all who participated -- this was good fun and as you can see, had some worthwhile spinoffs.

-----***-***-----

Ye Dumb Editor wishes to apologize for forgetting to include Steve Ross, W6HKX, 320 Arlington Way, Menlo Park, 322-9859 as the gentleman who had the ad for the tower package. This is the Tri-ex MW-65, Moseley CL-33 Beam, Ham-M rotor and extras for \$600.00 as per last PAARAGRAPHS. To make matters worse, Steve paid up his dues at the same time!

By the way, advertisements in PAARAGRAPHS are absolutely free. This means NO Money, cash, bribery, usury, downpayments, commissions, extorsions on junk you try and sell. SO PLEASE drop me a line on your latest swindles and I'll include same in next issue.

(P.S. Commercial businesses Get Lost)

Gerry Wagstaffe, W6NIR, lets me in on the following:
 You got an old Handbook, prior to 1965, which you
 wanna sell? Frank Cuva Jr., 1054 Belvedere Drive,
 Deltona, Florida 32763, has an itch for these to the
 tune of \$4.00 each cash money (~~\$\$\$~~) shelled out plus
 whatever it cost you to send it to him. Nice, eh?

HERE we go again with Ye Broke Editor trying to sell his
 100% wonderful Model 19 Teletype Machine. C'mon, guys,
 how much longer do I have to advertise this thing?
 Guaranteed to make you Twitch All Over with its mech-
 anical and aesthetic delights. It punches tapes, reads
 the same in better English than most of us think,
 prints any combination of the alphabet in words, rings
 two (count 'em, 2) good-taste bells, and sends genuine
 5-level Baudot Teletype code. This is not junk. No.
 It is in flawless condition, with tons of spare paper
 and punch tape, pefect for RTTY and the newer micro-
 processors (if you build a 5 to 8 level converter--I
 will include plans for same). Come play with it and
 Be Impressed (also, be generous and buy it!) only
 \$85.00 --call Rick Ferranti, WA6NCX, 324-1539 wkends
 or 408-246-1400 rm 1001 weekday eves.

---***---

MINUTES OF THE BOARD OF DIRECTORS MEETING, 2/11/76

Called to order at 7:45 PM; present in the Club trailer
 all at once (a feat in itself) were Ed W6AIN, Gerry
 W6NIR, Paul W6QBY, Bob W6BFH, and Fred K6YT.

The treasurer informed the B of D that he would keep re-
 cords of each activity such as PAARAGRAPHS, Auction,
 FD, SET, etc as he did during 1975. Hopefully we can
 reverse our trend of spending more than we make as
 reported here last month.

Reported that those present and W6UOK, WB6GRZ, WB6JFH, and
 K6FS were accepted as volunteer Red Cross members
 and would receive volunteer ID cards shortly. This
 is a result of the SET meeting with Pete Ashen, the
 Red Cross Director on 2/10/76. (more in SET report).

The Board resolved to support the activities of the Amer-
 ican Red Cross, Golden Gate Chapter, by calling on all
 (reportedly continued on next page...)

Board meeting minutes con't..

members of the club to provide communications when and where necessary. Those interested may receive volunteer membership by giving info on address and desire to help out to ARRL EC Steve Stuntz, K6FS.

The board resolved to urge all members of PAARA and the Menlo Park CD Club to obtain FM equipment suitable for operation on 147.45 FM during the year 1976.
(At last, at last ... Y.N. Editor)

The Board resolved to study a proposal that we assist the Certified Emergency Service with their communication. Their request for on-site assistance within the team of explorer scouts posed a problem.

-----Reported by reputable Fred K6YT.

Excerpts From a Letter to PAARA from Hal, 6DEF

It may be of interest that I did something a bit out of the ordinary last week. I was asked to give a dissertation on ham radio at a class called "Workshop for the Aging". It occurs four times a week at Highlands Estates and the sponsor finds interesting things for these elderly people to do and think about.

I set up my Concraft with a portable antenna and the Hammarlund HQ-110 with a length of insulated antenna wire. I gave a little talk about the equipment and what we do as hams, including something about our jargon. I brought up the Auburn machine, NR6ADI 16/76 FM and tuned in a couple of other machines also. Then fired up the HF rig and let the folks listen to the NTS. Finally I handed out some radiogram blanks and ARL suggested texts. Oh yes -- I let them browse through the QSL cards I had collected since coming to Calif in 1947.

The lady in charge later gave me four radiograms to send. Put them out that day.

Jim K6ARR and I are interested in starting up the Sierra Foothills radio club again. We are compiling a list of hams from the Callbook and elsewhere.

Got a new 8 element KLM beam and I'll be mounting it towards the Bay Area.

Very Best Regards,
Hal Moore W6DEF

PROJECT STARQUEST de Mike Eccles G3PPE/W6

The search for intelligent life on the earth having so far produced no positive results, further attempts are to be made on the other star systems. To this end, following extraterrestrial intelligence searches such as project Ozma and Cyclops, a local group under the leadership of Nick Marshall, W6OLO, has been formed over the past few months.

The first semi-formal meeting took place at Foothill College, February 17th, at which time we discussed general hardware problems. We also had the pleasure of a talk given by Barney Oliver of Hewlett-Packard and the Project Cyclops program.

The big interest for hams is that the initial work will be devoted to optimising a receiving system (dish antenna, low noise pre-amp, and narrow-band receiver) over the frequency range 1.4 to 1.7 GHz. As these frequencies are close to 1296 MHz, some work will be done simultaneously on 23 cm. In fact, the preliminary testing might include 23 cm moonbounce.

If you are interested in this exciting new facet of radio/astronomy, come to the next meeting to be held at the Foothill College Planetarium, Los Altos, on Thursday, March 18 at 7:30 PM. We need lots of assistance in building antennas, pre-amps, etc.

For more info, contact Nick Marshall, W6OLO, or yours truly, Mike Eccles, G3PPE/W6.

It is with happiness as with watches; the less complicated, the less easily deranged.

Dutch Abolish CB Service in the Netherlands after widespread abuses convince officials that cleanup is impractical. All 27 MHz licenses have been revoked, and mobile vans have been shutting down illegal stations by searching in and confiscating equipment. It is very effective.

Legitimate business users of 27 MHz have been told to apply for business band licenses, while hobblists are offered a no-code Amateur license, giving them 6 channels in the two-meter band. The Dutch Amateurs rigorously protested CB channels on 2 mtrs, and won. (HR Report)

The following list of repeaters was ripped off from WR6ADE's newsletter, drawn up by Jerry WA6NNQ. It is the best list I've seen of the "hearable" machines in the area.

146.01-61 Soon to be built near King City
 04-64 WR6ABD San Jose, good coverage, 24 hr., quiet.
 07-67 WR6AKD Mt. St. Bruno
 10-70 WR6ACS Mt. Tamalpais. Large repeater following.
 13-73 WR6AES Tone access, near Petaluma.
 16-76 WR6ADE Mt. Chual, San Jose. Lotsa action.
 19-79 WR6ACI San Bruno, Telephone Soc. Repeater.
 22-82 WR6ABM Oakland hills. Huge following.
 25-85 WR6AEA San Mateo RACES. Gorilla machine
 28-88 WR6AFP Oakland Hills, quiet.
 31-91 No local activity (Bakersfield).
 34-94 WR6ACU Fresno, local 94 simplex activity
 37-97 WR6AEZ Monterey; WR6ABX in Lake Berryessa
 385-395 WR6AKF Berkeley, interesting split channel

147.60-00 Not used locally.
 63-03 WR6AEV WR6ADE "rejects" (???)
 66-06 WR6AHK Mt. Diablo Club, quiet.
 69-09 WR6ABY Pretty quiet
 705-105 WR6AHE San Francisco (low level)
 72-12 WR6AHP Livermore (low level)
 75-15 WR6ABH Technical, pretty quiet
 78-18 WR6AFU ? Pretty quiet.
 81-21 WR6ABF Quiet
 84-24 WR6ADC Marin county. Some activity.
 87-27 WR6AEI Mt Vaca, neat squelch tail.
 90-30 WR6AMP some activity
 93-33 WR6ACR RTTY, Mt. Tam, Filters out voice.
 96-36 WR6ACZ DX repeater group, chase D here.
 99-39 WR6ADX 2-watt repeater above Saratoga. Quiet.

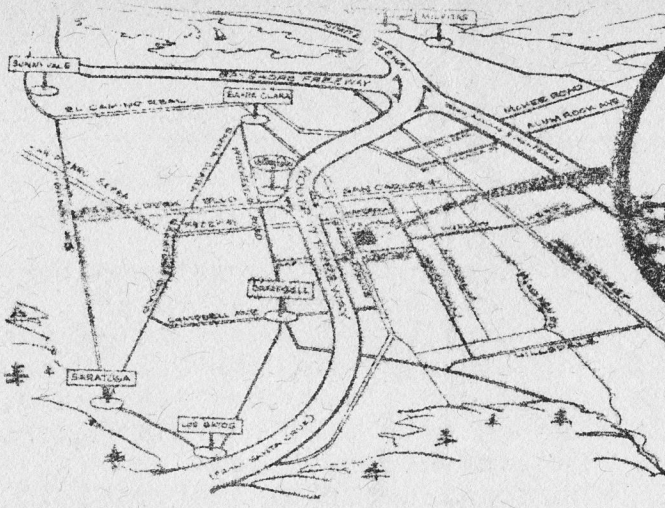
Of course, 146.52 simplex is the big simplex freq. around here, and 147.45 simplex is the PAARA/EMARC freq.

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It is only when you are pursued that you become swift...

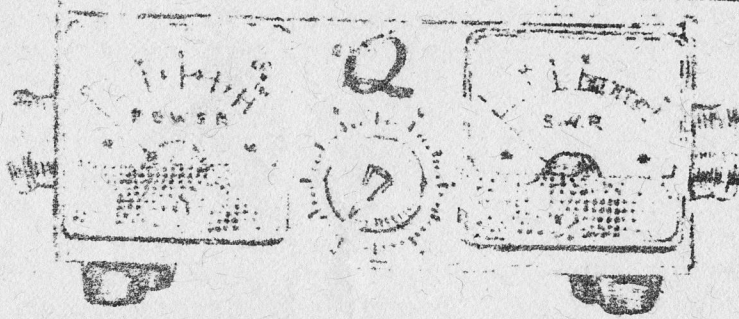
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This magnificent issue typed on Saturday, Feb. 21, whilst garnering earfuls of Chopin, Gustav Mahler, Berlioz, and Mozart, the master of them all.



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