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PAARA P.O. BOX 911  
MENLO PARK, CA. 94025

TO:

Andy Korsak VE3FZK/W6  
504 Lakemead Way  
Redwood City CA 94062



# PAARA

## GRAPHS



palo alto  
AMATEUR  
RADIO ASSN.

MENLO PARK C.D. RADIO CLUB, K6YQT

PAARAGRAPHS is the official organ of the Palo Alto Amateur Radio Assn., and the Menlo Park CD Radio Club.

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Volume 20      Number 5      May 1976 - - -

\*\*PAARA and Menlo Park CD Radio Club Officers:

President: Fred Canham K6YT 948-9238

Vice President: Andy Korsak VE3FZK/W6 366-5228

Secretary: Terry Conboy WB6GRZ

Treasurer: Paul Churchill W6QBY

Trustee of W6OTX: Fred Canham K6YT

Trustee of K6YQT and M.P. Radio Club Officer: Bob Allen W6WQD

Property Custodian: Ed Fairbanks W6AIN

\*\*\*\*\*

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Gerry Wagstaffe W6NIR

Paul Thekan WN6IJP

Terry Conboy WB6GRZ

Ed Fairbanks W6AIN

Jerry Tucker WA6LNV

John Gomperts WN6ATL

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#### OUR POLICIES, Up With Which All Should Put:

1. Membership includes PAARAGRAPHS subscription.
2. Dues are merely four (4) bucks (\$\$) per year.
3. Our wretched cheap subscriptions only \$001.00.
4. Pay up on a calendar year basis, OK?

SEND all your good negotiable Gonk (including safe deposit boxes stuffed with Cash) or other spare change TO:

PAARA      Box 911      Menlough Park      California 94025

\*\*\*\*\*

#### PAARAGRAPHS STAFF AND OTHER ASSORTED GOODS

Editor-in-Chief: Richard Ferranti WA6NCX

Cover Designerette: Sue Lindner

Labels and Mailing: Fred Canham and Ed Fairbanks, Paul T. Oldtime Radio Compatriot and Wattmeterer: Gary WB6WNI

Plus other secret and otherwise anonymous admirerers too (2) numerous to mention. SEND ARTICLES, notes, scribbles, station news, beers and chunky peanut butter to: Rick

Ferranti WA6NCX, 1234 Santa Cruz Ave. Menlo Park, ca 94025

415-324-1539 Weekends

OUR NEXT MEETING: is on Friday, April 7, 1976, in the Menlough Park Recreation Center, which is by the City Library and the Police Dept. Meeting Commences at 7:30 PM and runs till about 10:00PM local time.

The PROGRAMME: is anyone's guess since our illimitable programme man, Andy Korsak, couldn't get a person signed up in time for publication (One speaker bowed out at the last minute). BUT Do come, Andy will have something cooked up by then. Half the fun of the meeting are the eyeball QSO's, the cookies, and the business part anyway, right? Who knows, Betty Ford might come by and talk on CB!!!

Tea	Coffee	Raffle	Cookies	Eyeball QSO's	Gonk
					Introduce A Friend to Ham Radio

\*-----\*

The Board of Directors will meet on Wednesday, May 5, 1976 in the wondful, classic W6OTX Trailer, located in the SRI parking Lot, 333 Ravenswood Avenue, Menlo Park. Time is 7:30 PM and this thing usually runs until 9:30 or so, thus making it easy to catch the last half of Barretta on the toob. Come help with PAARA's moral dilemmas.

\*\*\*\*\*

HEY we got a NET every Monday night on 147.45 FM simplex and 145.24 AM all happening at the same time. More and more good folk are getting FM transceivers and really enjoying the ragchew up on .45, what with no tuning or drifting or ignition noise problems. SO buy, build, or etc. a rig and join the PAARA net, beginning every monday nite at around 8:00 PM or so.

\*\*\*\*\*

Did you notice that there's a NEW COVER on this issue of PAARAGRAPHS ??? The YL who did all the work on it (supplying Letraset lettering and ideas) has done two yearbooks at Santa Clara University, among other very graphic kinds of work on cover publications. Classy, no? (it should be--we spent over 6 hours on it!)

You might also notice the NEW Quement ad--yes, our faithful advertiser not only paid up for another year, but sent in the aforementioned advertisement to boot. This means: Get the Hint and patronize their fine store.

PAARA PICKIN'S Member News and Good Stuff  
 I read in the Palo Alto Times for Friday April 23 that  
 our own Steve Stuntz, K6FS, has got a Genuine Photo  
 Exhibit in the Palo Alto Civic Center Lobby all the  
 way up to May 21. Steve's photography is centered  
 on his interest in the relationship between the  
 subject and how it's presented. Go see it soon!

\*\*\*\*\*

**NOTE ON A NEW ARRIVAL:** Mike Eccles is now on his own.  
 Accustomed to instant pile-ups on any band when he  
 signed G3PPE (with "portable W6"sotto voce), he has  
 finally surrendered his "G" call for WA6LGJ and  
 relative anonymity. Relative, but not quite. After  
 all, Mike's only 2 letters from our own Jerry WA6LIJ  
 Starkey, either by fate or design.

This month's contest will be to name Mike's new call  
 (Phonetically, not a "handle", Betty Ford!)

"Liverpool's Giant Jolly" won't do, and we want something  
 higher than "Loves Grape Jelly" and less lofty than  
 "Lord God Jehovah."

Send your reverent or irreverent suggestions to YN Editor.

\*\*\*\*\*

Speaking of Good news, Dave WB6JFH has his HW-202 on 147.45m  
 the magic PAARA net frequency, Earl Hickman WA6LUI has  
 a Wilson WE-224, and Ed Fairbanks and Fred Canham (!)  
 both got ICOM IC-22A's, and all three are waiting for  
 crystals to arrive. Let's get more people on FM where  
 the best action and signals hang out.

\*\*\*\*\*

Conratualtions to our newest member: Lewis Throop, W6AXO,  
 103 Arbuelo Way, Los Altos, Ca. 94022. Lewis operates  
 on six and two meters, on FM and SSB. Great!

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You think ham bands are exclusively for hams? (except 160  
 with LORAN and 220 with Radar). Wrong! 80, 40, and  
 14.25-35 MHz are shared with other services. (W6AIN).

\*\*\*\*\*

Let WR6PAARA (this paper) know if you have received any  
 Bicentennial awards. SCCARA in San Jose is bice-  
 centenializing starting July 1, open to all, for the  
 San Jose 200th in 1977.

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A REPORT OF THE PAARA BOARD OF DIRECTORS MEETING  
Held in the Trailer on April 7, 1976. Members attending  
were Ed Fairbanks, Bob Baum, Jerry Tucker, and Fred  
Canham. Three guests attended: Mrs. Marling, Dan  
Marling, and Phillip. Their purpose in coming was to  
seek help in a budding radio club at Menlo Atherton  
High School, especially for the Novice License.  
The meeting was devoted to exploring ways to provide Amateur  
Radio Classes for persons desiring Novice and General  
class licenses. It was the opinion of the Board that  
more volunteers are needed before we can advertise  
and sign up students for a worthwhile class. It was  
felt that we should be able to provide instruction  
this fall after summer vacations are over. So far  
Fred Strieb W6NA, Ed Fairbanks W6AIN, Jerry Tucker  
WA6LMV, have indicated that they would be willing to  
help. Several more volunteers are needed however.

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UPCOMING THINGS TO PARTICIPATE IN AND HAVE FUN DURING:  
Plan to help with:

May 7th: PAARA/EMARC will present an amateur radio  
demonstration at Portola School, during their Bi-  
centennial celebration. The club's Swan 350 will be  
set up in the classroom and students will be able to  
talk to other amateur stations. Clarence Vendly  
W6AAE, Jim Kosky WA1UFR/6, Ed Fairbanks W6AIN have  
agreed to set up and run the show. They will be  
delighted to have additional help. If you can be  
present Friday during school hours please get in  
touch with Fred Canham (948-9238) or Ed Fairbanks  
(322-0319).

May 8: South San Mateo "March of Dimes" Walkathon. Start/  
Finish will be at the Red Morton Community Center,  
1400 Roosevelt Avenue, Redwood City. This is the one  
we should ALLL Participate in!!! There will be 5  
checkpoints, and 3 "poop-out" trucks from the national  
guard which will be manned with two meter gear. Both  
AM and FM will be available at the Checkpoint control  
station. Let's get together and really make this one  
BIG for the March of Dimes. Call Steve Stuntz, K6FS  
at 322-4952 or Fred Canham (948-9238) to help out.

MORE\_PAARA\_PICKIN'S 10-4, Good Buddy?  
 Don't forget another event, brought to the fore by Terry,  
 WB6GRZ:

May 23: Western Wheelers "Century Ride". This Menlo Park-based touring bicycle club has planned two 50 mile loops from the starting point at Gunn high School, hence the clever "century" idea. PAARA will provide communications at the rest points at Saratoga Gap and Crystal Springs Reservoir during this all-day event on Sunday May 23rd. Contact Steve Stuntz, K6FS, at 322-4952 if you can help out with this.

June 26 and 27 is FIELD DAY. Watch us clean up this year with Ye Noble Editor's FT-101B instead of the Swan on 20/80, (as long I'm not operating it!) and if Andy does more than an emergency power contact with a--err, Twoers:

\*\*\*\*\*-----\*\*\*\*\*

HEY Guys...there's a bill in the California State Legislature which would abolish front license plates and increase the fee for ham plates (and other cheaper ones) from \$3 to \$25. Holy monkee eye--that's way too high! Reason? Plates are getting too expensive. PLEASE write Ye Congressmen and/or Assemblymen asking that "ham" plates be excluded from the cost rise.

\*\*\*\*\*-----\*\*\*\*\*

From WB6GRZ/WA7DOX Terry Conboy:

A recent (March 29) conversation with the San Francisco Field Office of the FCC yielded the opinion that stations that have a secondary license (additional station) in addition to their operator's license, may use either call when operation is conducted away from either location as a portable or mobile station.

For example, my operator's license is WA7DOX and my additional station license is WB6GRZ. I can thus ID as WB6GRZ mobile 6 for reduction of confusion among those who have never worked me from my Oregon QTH.

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The Bay Area's OPEN RTTY repeater is WR6ACR in Marin County. it's on 147.93 in, 147.33 out, 2125 mark, 2295 space, with a net every Thursday at 2000 local--with swap shop, goodies. All can use it--give it a listen.

7

DUES						
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Rather than spot-light those who are delinquent as of April 5 with their dues payments (\$4.00) we are listing the calls of those members who have paid in order of their last names. IF your call ain't there, you are supposed to sell all your stock and immediately remit four dollars to PAARA Box 911 Menlo Park ca 94025.

PEOPLE WHO HAVE PAID FOR 1976 ARE : W6RVS, W6WQD, WA6NBZ, K6CPM, K6EHS, W6UOK, WA6AMC, W6BFH, Ricardo Bernasconi, W6PGQ, WN6DLH, K6YT, WN6DMK, W6QBY, WB6GRZ, W6VYC, WB6JST, G3PPE (now WA6LGJ), WA6VZZ, W6AIN, WA6NCX, W6AQL, WN6ATL, WB6JFH, Walt Harper, K6UXO, VE3FZK, WA6OPA, W6OJE, SP5-1157, K6RU, WB6CAA, ex-WN6NGY, K6AL, WB6000, W6HKX, WA6PSA, W6TFT, K6OYN, WB6LVP, WA6LIJ, WA6ROM, W6NA, K6FS, W6DVB, WN6IJP, K6GDH, W6AXO, W6GNX, W6AKR, W6NIR, K6OL, W6EM, WA6AWZ, W6CUN, K6SEM, WN6BCH, K6RB, W6WMC. (59).

R. Bernasconi and M. Majster both have novice licenses and should sent me a line telling me what they are so I can brag a little for you! --W6QBY and WA6NCX

\*\*\*\*\*

Jerry Starkey, WA6LIJ sends interesting news about two upcoming flea markets and a Dumb Poem:

Your PAARAGRAPHS a blast  
Forever and a day may it last  
While chock full of mirth  
It extols your worth  
May you, your admirers outlast,

(Holy Schomlinsk,  
this thing is  
awful, Jerry!!!!)  
Tnx for the note  
anyway!

\*\*\*\*\*

THE EMARC Flea Market is Saturday, May 22, 1976 at parking lot "T" by the museum, starting at 9:00 AM for buyers and sellers. You get 2 parking stalls for \$3.50, first-come first-serve basis. Food available.

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SCCARA has their flea market on Sunday June 13, 1976, at the famous Quement Parking Lot, 10:00 AM to 3:00 PM, 1000 S. Bascom Avenue, San Jose. Sellers space is \$3, or two for \$5. Trade, carp and bicker about the junk you bring. Ham-related gear please.

\*\*\*\*\*

Anybody on 6 meter AM? YN Ed. has a Utica 650--sked anyone?

PAARA ADS      GOOD STUFF TO BUY AND SELL - LOOKIE  
 First thing you'll notice is that after all these months  
 YN Ed. finally SOLD his Teletype!! The nice man who  
 bought it isn't a ham but wants to use it with a com-  
 puter. He also plays the Harpsichord, which gives him  
 Redeeming Social Value. Do you have the same?

\*\*\*\*\*

HOWEVER I still gots some first-class GOODIES to peddle:  
 FOR SALE: Heathkit Twoer, two meter AM transceiver.

Supergen receiver is super "hot", transmitter puts  
 out 3/4 watt. Works great except xmtr is busted due  
 to a bad tube (6BA8). NO Mods except for front-mount  
 crystal socket and +250 V power jack at rear. WITH  
 manual, microphone, ac cord, 12 v DC power supply,  
 in mint condition plus all these crystals (almost worth  
 the price alone): 144.45, 145.24 (PAARA net), 145.35,  
 145.49 (RCCD), 145.65, 145.80, and 146.00 (SPECS).

Whole schmeer goes to first buyer for \$15.00 complete.

FOR SALE: National NC-183 Receiver. General coverage, .55  
 to 30 MHz plus 49-55 MHz. Calibrated bandspread for  
 all ham bands, 5-step crystal filter, adjustable noise  
 limiter, TWO RF stages, 8 watts hi-fi audio output.  
 With manual, in near-new condition, working perfectly  
 with excellent sensitivity, stability, and selectivity.  
 A fine shortwave/ham/standby/novice receiver..\$75.00.

\*\*\*\*\*

For the above call Rick Ferranti WA6NCX at 408-246-1400 rm  
 1001 weekdays/nites or 415-324-1539 weekends.

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FOR SALE: Tennelec MS-1 16 channell memory scanner, VHF-lo/  
 VHF-hi/UHF, programmable synthesized monitor receiver.  
 Needs no crystals, covers 30-50, 150-170, and 450-470  
 MHz in 5 kHz steps. Change freqs anytime, nothing ex-  
 ternal to buy. With complete manual, mint, in original  
 box, one year old. ....\$150.00

Contact Gary Giampaoli, WB6WNI at 1294 Hanchette Ave, San  
 Jose 95126 or call 408-297-3576 after 7:00PM eves.

\*\*\*\*\*

FOR SALE: TCK-7 Xmtr, in rack, with R-390 VFO dial, 500 w  
 AM/CW, \$100.00. SB-303 Rcvr, \$225.00 Call 399-9672 eves.  
 Dave Harper WB6JFH

MORE\_PAARA\_ADS\_AND\_OTHER\_GOOD\_STUFF

FOR SALE: Help me move to VE-7 Land.

1. Heathkit Oscilloscope, model OS-102, single channel, 15 MHz bandwidth ..... \$50.00
2. Knight 2mtr AM transmitter/receiver, model TR-108, Complete with PAARA xtal (145.24) ..... \$60.00
3. 3-element full-sized 20 meter beam. Made by Gotham, never used, never even unpacked! \$25.00
4. Model SLR-F Receiver, 1.9-20 MHz. Good working order, but big clunky cluge. Stable. \$5.00

On any of this stuff call Mike Eccles, WA6LGJ, days at 408-738-2661 or nites at 415-494-3267.

\*\*\*\*\*

FOR SALE: Poly-comm-2 17 watt AM two meter transceiver with built in xmt and rcv VFO's and dual 117/12 volt power supplies. \$100.00 (Andy VE3FZK/W6 is currently demonstrating this on the PAARA net)

Steel Tower 50ft Guyed or 40 feet self-supported with previous owners engineering drawings, computations and Palo Alto building permit. \$125.00

Contact: Jerry Lucha W6OJE at 3749 Ross Road, Palo Alto 94303, 326-6200 ext 4434 or 494-1178.

\*\*\*\*\*

FOR SALE: Gonset Communicator II, 2 mtr AM transceiver with squelch, whip antenna, handful of crystals, and manual. Works fine, \$45.00 plus shipping. John Fogg, K6AO, Box 131, Pine Grove, Ca. 95665. 209-296-7417.

\*\*\*\*\*

January 1976 of Worldradio News and other sources tell you what the WWV forecasts mean at 14 minutes after the hour, for the next six hours. Current conditions are N (normal or quiet), U (unsettled), and W (disturbed). The forecast is given by a number, 1 thru 9, and 1 is useless while 9 is excellent. The K-index is a measure of the earth's magnetic field (1-10 scale) and solar flux is the measure of solar noise at 2800 MHz for the previous day. See also Sept. '74 CQ, too.

\*\*--\*\*

1st ham: "I understand you have an "X" license." 2d Ham: "Yeah." 1st ditto: "How'd you wangle it?" 2d ditto, "Easy. out of band 3 times, 3 pink slips, one EX call." -Oct '77 QST.

Did you know that Ham Radio is enjoying a boom second only to that of CB? Clubs sponsoring training classes report enrollment up 50-500 percent over a year ago, and the increasing number of colleges and high schools offering a night school course leading to an Amateur Radio license find it's among the first to get filled up. Instructors report about half their students are present or former CB'ers, and many individual Amateurs are being approached by CB'ers who've spotted call letter plates or antennas and want assistance in becoming amateurs.

(HR Report Mar)

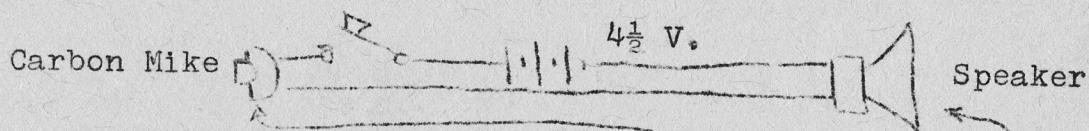
\*\*\*--\*\*\*

LAST issue's report about the ham station at the U. of Missouri got the call screwed up. It's WØZLN, and has some nice Drake equipment plus a TA-33 up about 50 ft. Everybody over there is a CW nut, but after asking which end of the key I'm supposed to talk into they handed me a microphone and I was happy. Good bunch of operators over there in "mid-America".

\*\*--\*\*

KINKY HINTS DEPT. From an Unknown Sender  
IF you worry about exposed coax braid on your antennas (for instance, on homebrew dipoles and baluns for beams) just pour some Elmers Contact cement around the braid where it comes out of the outside jacket. Seals it up fine. YN Ed. refers to aforementioned sticky stuff as "Elmo's Goo-all".

Here's an inexpensive code practice oscillator:



Vary tone and volume by moving this close to this.

The local hardware store can provide cheap feet for your equipment: bumpers for toilet seat lids.

If you write your log in pencil or ballpoint, spray each finished sheet with clear lacquer to prevent smears.

Hinted over to the next page.....

## STILL MORE WEIRD (KINKY?) HINTS ....

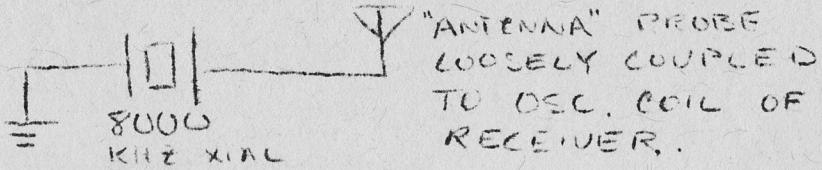
To perforate a window for a feed-through insulator, put a small ball-bearing in a drinking straw and blast forth with your strongest "hernia testing" cough, with the straw one inch from the window glass.

PG&E's suggestion to reduce ambient noise level: install a 30 to 50 mF capacitor across your receiver's voice coil. (This is cheaper for the power company than washing insulators and cleaning up corrosion on their local 60 KV line.)

Need a new meter glass? Cut it from an old window pane with tinsnips. Secret: Do it all under water (July 1961 QST--not the April issue.)

Here's a startling tip to add oil to a sealed bearing on a noisy clock or muffin fan. Heat the unit moderately in a not-to-hot oven, and while it is cooling add the oil around the output shaft or gear. Contracting air around the inside of the seal sucks in the oil. From QST Aug. 1961.

But we like this circuit from a 1949 QST for simplicity and economy. It's a band-edge calibrator for a two-er (VE3FZK and WA6ROM note carefully).



When the twoer stops super-regenerating and the hiss goes silent, lo, you are at the lower edge of the 2 meter band!

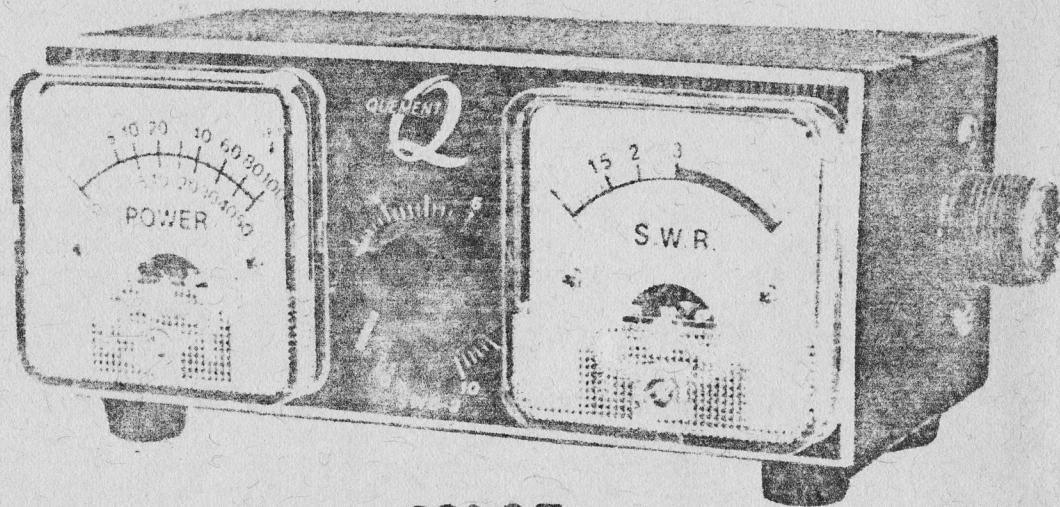
Brighten up your home-brew aluminum boxes by grinding rosettes in rows, using a drill press with short pencils, inserted in the chuck. Oh, yes, Prendergast, grind with the eraser end! (Feb '73, QST).

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Many thanks to all who contributed to this issue--it's quite nice to have a lot of club news to report and club-type activities and contributions to print up!

This issue typed on Sunday, April 25, whilst enjoying Vaughan Williams, Igor Stravinsky, and Corelli. Wow!

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