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TO:

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Redwood City CA 94062

RETURN REQUESTED:  
PAARA P.O. BOX 911  
MENLO PARK, CA. 94025

# PAARA

## GRAPHS

vol. 21  
1977



palo alto  
AMATEUR  
RADIO ASSN.

MENLO PARK C.D. RADIO CLUB, K6YQT

OCTOBER 1977

VOLUME 21 NUMBER 10

PAARAGraphs is the official organ of the PALO ALTO AMATEUR RADIO  
ASSOCIATION AND THE MENLO PARK CIVIL DEFENSE RADIO CLUB

## 1977 CLUB OFFICERS

PRESIDENT	K6FS	Steve Stuntz	322-4952
VICE-PRESIDENT	VE3FZK	Andy Korsak	366-5228
SECRETARY	WA6LNV	Gerry Tucker	326-4908
TREASURER	W6BFH	Bob Baum	325-0497
TRUSTEE OF W6OTX	K6YT	Fred Canham	948-0238
TRUSTEE OF K6YQT	W6WQD	Bob Allen	
PROPERTY CUSTODIAN	W6AIN	Ed Fairbanks	322-0319

## 1977 BOARD OF DIRECTORS

CHAIRMAN	K6FS	Steve Stuntz
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## PAARA POLICIES

Membership in PAARA is a mere \$4 per calendar year, which includes a subscription to this fine periodical. PAARAGraphs alone may be had for a trifling \$1. Send cash, check, or money order to:

PAARA P. O. Box 911 Menlo Park, California 94025

## PAARAGraphs STAFFE

EXECUTIVE EDITOR	N6RY	Terry Conboy	592-8750
PRODUCTION	K6YT	Fred Canham	
MAILING	W6AIN	Ed Fairbanks	
EAST COAST EDITOR	WA6NCX	Rick Ferranti	
COVER ARTIST	LØVELY	Sue Lindner	

Contributions to N6RY 1231 Crestview Drive San Carlos, CA 94070

THE OCTOBER MEETING OF PAARA WILL BE ON FRIDAY, THE 7th at the Menlo Recreation Center near Alma and Ravenswood. Meeting time is 7:30 PM. Featured at this meeting will be another VE3FZK "secret speaker", who is sure to be entertaining. Be there and find what Andy actually comes up with. You might be pleasantly surprised. Of course there will be an enjoyable array of congenial OM's and the epicurean junk food morsels and even the infamous PAARA raffle.

† †

**THE ANNUAL PAARA FLEA MARKET AND AUCTION** will follow on Saturday October 8th, starting at 10 AM and continuing until 3:30 PM. Note that the time given on the flyer enclosed in this issue of PAARAGraphs has the closing time incorrect. Don't come at 5 PM and expect things to be in full swing!

If you want to volunteer your services or to donate equipment for the club to sell for its own profit, talk to K6YT or W6AIN respectively. Offers of either or both are truly welcome!

The BORED of Directors meeting will be at the usual time (7:30 PM) at the usual place (W6OTX Miracle Trailer) on the usual day (Wednesday, October 12th.) Auction wrap-up and XMAS party plans are among the fascinating topics certain to be discussed.

PAARA NETS ARE IN FULL SWING. AM Net at 8:15 PM Mondays, 145.24 MHz; FM Net at 8:30 PM Mondays, 147.45 MHz; and the PICS net on alternate Saturdays at 9 AM on 21.393 or 14.245 MHz. (Check with W6NIR for day.) Peruse page 6 of this issue for some news on the FM Net. . . . .

A NOMINATING COMMITTEE IS AT LARGE, composed of WA6OPA, W6DU, and WB6JFH. If you feel the urge to serve as an officer, they'll surely be quite happy to hear about it. Attain fame, satisfaction, and envy!!!!!!

## NOTES AND NEWS

-- WA6SOI would like to find an FT-32 to purchase. Leads? 493-2355.

-- Shaver Radio is due to move to Santa Clara, near the corner of Lawrence Expwy and Homestead Rd. He is interested in part time help....

1977

PALO ALTO AMATEUR RADIO ASSN  
ANNUAL AUCTION

AND



SATURDAY OCTOBER 8TH  
10:00 AM TO 8:30 PM

AMPEX CAFETERIA, NEXT TO BLDG. NO. 1 BAY ROAD, REDWOOD CITY, CA.

RAFFLE PRIZES

HAM RADIO GEAR

ELECTRONIC PARTS

TEST EQUIPMENT

HERE ARE THE RULES

1. Doors open at 9:00 AM. AUCTION AND FLEA MARKET start at 10:00 AM.
2. Register at desk, obtain your AUCTION LOT NUMBERS or FLEA MARKET TABLE Then bring your gear into the auction room

monitors and hand trucks to help move your equipment into place.

PLEASE STAY OFF THE GRASS

3. Buyers must register for bidding during AUCTION.
4. AUCTION lot numbers will be issued in sequence of registration, and auctioned in that order.
5. CHARGES: 10% of sale price of auctioned items will be retained by PAARA. If you buy back your own equipment, this fee also applies. Flea Market tables are \$3.50 each.
6. LIMITS: Auction material will be limited to 5 lots per person the first time around. If time permits, additional material may be put up for auction.
7. IDENTIFICATION: In addition to his lot number, owner should attach information on material to be sold, such as:
  - a. Description of item, frequency range, power required, etc.
  - b. Condition of item: operating, needs repair, not known.
  - c. Name and Call: Can be helpful.
8. DONATIONS: Donated equipment will be welcomed by PAARA. Such material will be sold to help defray club expenses. ALL SUCH EQUIPMENT IS GREATLY APPRECIATED.
9. DURING THE AUCTION: Buyers must show their registration number to record their purchase.
10. PAYING AND RECEIVING: Buyers and sellers will make their payment and collect money due at the TREASURER'S DESK. Buyers are urged to settle promptly after each purchase.

To reach AMPEX from BAYSHORE or EL CAMINL: Take WOODSIDE RD. to BAY RD. (located two blocks west of BAYSHORE), turn south four blocks to AMPEX parking lot. Cafeteria is just south of Bldg. No. 1.

ANNOUNCING A FANTASTIC CONTEST... to celebrate the receipt of his new call sign, your executing editor is running a contest to see who can think of the best phonetics for his call. First prize (donated, of course, by ARRL) will be a copy of the book, Learning to Work with Integrated Circuits. Second prize will be a genuine AMSAT/ARRL "OSCARlocator". Decisions on winner will be made by N6RY and will be final (unless you think it's worth bribery). Please submit your entry in writing or other record copy (ARRL radiogram OK) to the address at the bottom of page 2 or in person to N6RY. You will be judged on the basis of originality, class, charm, grace, and the whim of your executing editor. Entries may be accompanied by legal tender (or a reasonable facsimile, thereof) for special consideration. Deadline for entry is October 17, 1977. Members of the executing editor's immediate family are not eligible. Offer void where prohibited by law.

1. At 8:30 PM, NCS calls up stations by alphabetical groups. (A-E, F-J, K-O, P-T, and S-Z)
  2. QST's and club announcements. Brief reports from officers.
  3. Call all stations that have checked-in (alphabetically or by order of check in) individually for a transmission -- swap-shop, technical assistance requests, comments, news, whatever. **ONE TRANSMISSION PER STATION!**
  4. Handle traffic between stations initiated by step 3.
  5. Open net to general ragchew.
  6. Net control position to be rotated every 90 days!

The purpose of the above procedure is to get more people to come out from under the covers. Everyone makes at least 2 transmissions. At the same time, the structured part of the net is not long enough to frustrate the liberal mic-button pushers in the crowd. Let's all give this a go!

Gerry has kept track of 17 net sessions in the past months, and things have been slowly going down hill. Average check-ins has been 10.2, with a maximum of 16 (back in March) and a minimum of 5 (in September). PARTICIPATE

ONE THE ILLUSTRIOUS MEMBERS OF THE PAABA BOARD OF DIRECTORS

WA6OFN, shares your editor's fascination for things numerical. At a recent meeting, Bill began to ponder the standard words set up to gauge the speed of Morse code. From the encyclopedia, he discovered the frequency of letters out of 1000: E-130, T-92, N-79, R-76, O-75, A-74, I-74, S-61, D-42, L-36, H-34, C-31, F-28, P-27, U-26, M-25, Y-19, G-16, W-16, V-15, B-10, X-5, Q-3, K-3, J-2, and Z-1. He then multiplied these frequencies by the number of bits per letter. For instance, E is 1, T is 3, and Q is 13. Adding all of these products together, he got a total of 6076. By dividing by the number of letters from which the frequency sample was taken, he got that the average letter has 6.076 bits.

Compare this to the FCC standard "word", PARIS. This is composed of 31 bits, not counting the spaces between letters, which is the same for all words. PARIS has  $31/5$  or 6.2 bits per letter. Bill further went on to make a guestimate of the frequency of numerals (2%) and added this into the pot to give a revised figure of 6.234 bits per letter. This is quite close to the speed standard, so perhaps someone know what they were doing when it was chosen.

## CLICKS AND CHIRPS FROM RANDOM KEY DEPRESSIONS

--W6QBY is mostly moved into his new QTH in Ventura, and is on 75 with his 40 m. vertical with fair results. Hope he can make FD with us next yr.

--Swede Swenson has a 17' travel trailer to sell. He'll consider ham gear in partial payment. It's worth about \$1700. Phone at 368-1903.

--NEW MEMBERS OF PAARA include Bruce Krawetz, WB6SRC; Ken Bowen, WB6RRP; George Callander, WA6SZX; Richard Simpson, WA6ITH.

--Be thinking about the annual CHRISTMAS PARTY so we can confirm.

ing about the annual CHRISTMAS PARTY so we can confirm a place for the event. Did you like the breakfast last year, or is the dinner meeting better???????????

--Don't forget that the meetings will be on the SECOND FRIDAY OF THE MONTH starting with the December meeting (if not replaced by the XMAS party.)

--NOALOX joint compound (for aluminum antennas) is available from Redwood City Electric. Costs about \$2 for an 8 ounce tube (lifetime supply!)

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