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# PAARA

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## GRAPHS



palo alto  
AMATEUR  
RADIO ASSN.

MENLO PARK C.D. RADIO CLUB, K6YQT

NOVEMBER 1978

VOLUME 22 NUMBER 11

PAARAgraphs is the official organ of the PALO ALTO AMATEUR RADIO ASSOCIAN and the MENLO PARK CIVIL DEFENSE RADIO CLUB.

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PAST CORNER: Those who missed "Will of the Gods" will have to watch other Club's programs to see and hear what Paul Such presented to 41 members and guests at the October meeting. It was one of the best of a continuing series of interesting and informative programs.

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NEAR CORNER:

R E G U L A R M E E T I N G

Friday

November 3, 1978

7:30 p.m.

Dr. Michael H. Hecker

SRI International Speech Scientist

Speech Intelligibility and its Measurements

Dr. Hecker was rescheduled from the September meeting because he was called out of town. Some of the questions that arose during the NBVM program will be answered.

Coffee, Cookies, raffle, eyeball QSO's and the Auction/Flea Market results.

Menlo Park Recreation Center, Civic Center, Menlo Park, Nov. 3, 7:30pm

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BOARD CORNER:

The Board of Directors met Oct. 11, discussed the Good News and the Bad News from the Auction and Flea Market. Made a record of the pluses to be held over next year and of the minusses to be deleted next year. Interspersed with other Club business, Swede, KA6BEU, kept plugging away at the ARRL 20-meter receiver-transmitter combination, what kind of equipment was what, and suffering all sorts of frustration trying to get a straight answer from Gerry, W6NIR, Ed, W6AIN and Erv, W6YPM, none of whom are exactly novices. Steve, K6FS, proposed the Club donate one unit to whomever it goes via ARRL Headquarters. The Board agreed. Gerry, WA6LNV, gave a report on the Christmas Dinner developments. Bob, W6BFH, had more than a little trouble keeping order—all of which added to the fun. The next Board meeting, Nov. 8, would be a good chance for the nominators to see what they have been missing for

PARTY CORNER:

Gerry, WA6INV, has made tentative arrangements with Rick's Challet for a Christmas party, Monday, December 18—a good time to invest the new officers and far enough away from Christmas to catch those who will be away over the holidays.

A menu similar to that of last year was chosen by the Board of Directors, including:

- |                                   |         |
|-----------------------------------|---------|
| 1. Broiled New York Steak, 10 oz. | \$ 9.00 |
| 2. Chicken Cordon Bleu            | 6.50    |
| 3. Deep Fried Eastern Scallops    | 6.50    |

Dinners include a tossed salad or soup, vegetables, french rolls and ice cream. Tax and tip is included.

There will be a gift exchange, each one brings what he or she would like to receive. Gifts get tossed into a bag and Santa distributes them. Maximum cost of the gifts should be held to \$2.00 so start looking now. Raffle prizes will be included. If the new president winds up with the first prize again we'll all know it's fixed.

Keep the date open: Monday, December 18, no host cocktails a 6  
Dinner at 7.

• • •

AUCTION/FLEA MARKET CORNER: The auction/flea market was a great success. There were workers around so that no one worked to the point of exhaustion though some were pretty weary by 3:30 p.m.

Club members began arriving about 7:30 only to find the cafeteria locked up for the weekend. A search found a security guard who got on his walkie talkie and got permission to open up. Tables and stuff were set up by about 9 and people began to arrive.

Paul, WA6IJP, Doug, WA6DMK, Shannon, K6TNY and Ken, WB6RRP, were the prime movers but others helped when they could find a hand truck, coaster wagon or wheel barrow to haul stuff. Some came in hand carried—but it came in by the truck load.

The PAARA flea market table filled as fast as 22 other tables and by shortly after 9 the haggeling began. The moving crew took over the responsibility of the table and were aided by Swede, KA6BEU, Erv, W6YPM, Dusty, K6MPN and Gerry, W6NIR. Batteries all over the place,

but a lot of other good buys too, netting \$273.28 and leaving the cup-board bare by the end of the day. Under the table were left three boxes of batteries.

The Auction went so fast the recorder couldn't keep up with the sales but did manage to get most everyone paid, and did manage to collect from most who bought. Total auction sales amounted to \$2446.00 from 245 buyers for 31 sellers. There were 118 items auctioned not counting the PAARA items that brought nothing but managed to get out the door. The costs proved that there was something for everyone: 75 items went for \$10 or less, 13 for \$10 to \$20, 9 each \$20-\$30 and \$30-\$40, 4 for \$50-\$60, 4 for \$70-\$80 and 4 more ranging upward to \$200. Sixty items went for \$5.00 or less! Bob, K6SHM, Ken, WA6NYB, and Eric, W6DU did an excellent job, both for the sellers and the buyers.

The doughnuts gave out about noon, but the coffee lingered through the program, dispensed by Walt, Dave, WB6JFH, and Irene, WB6RAF. That crew made a penny a piece on the doughnuts and maybe something on the coffee—accounting is a little difficult because Ed. W6AIN keeps the pantry full and Dave dug into the supply.

Raffle tickets and registration was nicely done by Bill, WB6IML and Gerry, WA6INV.

Bob, W6BFH, was busy keeping the buyers and sellers happy. At one time he called "Four Dollars" to a question from Bill, across the hall and nearly bought an oscilloscope. After the doughnuts gave out Irene helped with the tangle of paper work.

Gerry, WA6INV, managed some realllynice raffle prizes from Zacks, Heathkit, U-Do Electronics and Quements. Our thanks to them for helping make this annual affair a great social (and financial) success.

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PUBLIC RELATIONS CORNER—NEW MEMBERS:

Adrianus (AJ) Schrauwen, KA6ATG  
3155 Stockton Pl.  
Palo Alto, CA 94303  
494 6256

AJ received his license last February and has had a little trouble getting on the air. Equipment problems have been solved with the

acquisition of a Kenwood 820S. He now works 75 meters and had planned to go to the City October 18 to advance at least one step up the ladder. AJ arrived from Holland in 1960 with a latent interest in amateur radio. One of his workmates at Ackerman Engineering encouraged him to get on with it. And he did. He was introduced to the club by Steve, K6FS and Swede, KA6BEU, who, particularly, will follow his progress. We'll get a report on his exam at the meeting, and welcome to the club, AJ.

John Buonocore, KA6CUG  
112 Oakwood Dr.  
Redwood City, CA 94061  
366 1658

John got interested in radio in the 8th grade and started learning the code. He studied theory last school year and got his license in August. He hasn't had much time to get active, but uses a HW 16 on 40 meters with pretty good success. He has a Knight T-150, picked up at the PAARA auction, for which he needs a manual or at least a schematic, and a DX 160 to set up to get on higher power. John is a sophomore at Woodside High School and commutes to Sequoia High School for the Lenkert Labs Electronic Course. Welcome aboard, John.

Fr. Thomas Tennissen, KH6DZB  
23000 Cristo Rey Dr.  
Los Altos, CA 94022  
967 3822

Tom moved to California recently from Hilo and Honolulu where he has spent the last 20 years in the Church. Prior to that he was W3RDX in Scranton where he taught and as W2TEI in Ossining where he went to school. He's been licensed for 31 years and is currently active on 20, 15 and 10 meters due to antenna limitations, and on 2-meters. Not yet crystallized for 147.45MHz, he plans on a Memorizer to do away with all this mainland nonsense. We're glad you found us, Tom.

Edward T. Hausafus, WA6FSQ  
467 Encina Av.  
Atherton, CA 94025  
366 5640

Ed has been licensed only about 3 years. He has a nice completed

80 through 10 meter station but has been too busy to use it much. He had a commercial license while he piloted for Pan Am, retired 13 years ago and has been trying to find time to get on the air since. His trailer club meetings conflict with our club meetings but he plans to split his activities and join us occasionally. He is looking toward a Heath-Kit 2-meter rig to use in his camper and trailer while on trips and as a base station when home. We'll look for you at the meeting, Ed.

Preston E. Hotz, K6WD  
209 Blackburn Av.  
Menlo Park, CA 94025  
325 8700

Pres has been a ham since 1930 but let his license lapse after The War and didn't become active again until he settled down and his family grew up. His New Jersey call was W2TIV, one of the many stopping points around the country. Currently active on 10, 15 and 20-meters HF, he also checks in regularly on the Club Net, Mondays at 2030 local time on 147.45 mHz. We enjoy your company, Pres.

CHANGE OF ADDRESS:

Robert J. Allen, W6VOD  
205 Tabb Av.  
Tabb, VA 23062  
805 595 2798

Bob moved to Virginia last year and it now looks as if he has settled down. No news from him except a change of address card which indicates he wants to continue receiving PAARGraphs. Drop us a note, Bob; give us some details and maybe we'll rejuvenate the HF Net on 20, 15 or 10-meters.

E. Finley Carter, K6GT  
501 Portola Rd.  
Portola Valley, CA 94025  
851 0852

Finley has been a member of the club since 1969 but had been a ham since 1920. He continues active despite a brain tumor found last spring, although it slowed him down a bit. His move made possible

a 12' x 14' ham shack that is just now getting set up. HF activity includes weekly phone contacts to New Jersey on 15-meters at 10 a.m. Saturdays after using local phone-patches during the critical time of his tumor. He recently acquired a 2-meter rig and is trying to straighten out input and output frequencies. When you hear K6GT on the air, give him a shout.

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#### BUILDERS CORNER:

Don, W6CFZ, put together ARRL's 20-meter receiver intended for Third World use, and it is hot as a pistol. An added RF stage helped but apparently was no problem. The kit people in Colorado indicate it would be no trouble converting it to 40-meters for Novice or General use. Swede, KA6BEU, is so impressed he'd like to fine eight or ten (preferably 10) who might be interested so he could wrangle a little discount on the going price. See him for details.

The companion transmitter will be shown in near-future QST articles and will also be available from Colorado in kit form. Swede enquired about a transciever with break-in capability and it was indicated a year or so away. Get your two kits (receiver and transmitter) going, hooked up as a transciever, and talk away to 7X's, 5A's, SH3's ZS's UA's, G's and other backward countries.

Congratulations to Don. Perhaps we could encourage him to bring the rig to a meeting for display during the coffee break.

Bob, W6BFH, put the FET Dipper together, see October, 1978 issue, and likes it enough to bring it to the November meeting—for Novice examination only. He thinks someone should now design a DC amplifier to increase the kick of the dip.

\* \* \*

ARRL CORNER: New members, or members whose subscriptions to QST are about to expire should renew through the club. If you do, the Club picks up \$1.50 per transaction—not much, but postage, anyway—and you are assured of membership continuity. Subscription rates 1 through 5 years: \$12, \$23, \$33, 43, and \$53.00. See Bill, WB6LML, our Treasurer for details.

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PHILOSIFORS CORNER: The inwardly comfortable person will create fulfillment even in somewhat strained circumstances. Gradually that person will shape circumstances in a more fulfilling direction.

NOMINATIONS CORNER: The Nominating Committee, Eric, W6LU, Fred, K6YT, and Gerry, WA6OPA, has a new President in mind for us but other officers remain about the same. Their success in getting candidates should not be considered final. Other nominations from the meeting November 3,

President	:	Bob Wheeler, K6SEM	Board Nominees:
Vice President	:	Andy Korsak, VE3FZK	Dusty Doster, K6MPN
Secretary	:	Gerry Tucker, WA6LNV	Swede Swenson, KA6BEU
Treasurer	:	Bill Jenkins, WB6LML	Erv Rasmussen, W6YPM

Steve, K6FS, has accepted an appointment to represent the Club at the CCRC meetings and will sponsor a monthly PAARAGraph article on CCRC.

ROSTER CORNER: Apologies to all who find errors in the Roster. Wrinkled stencils did little to enhance its beauty. Corrections will be noted in PAARAGraphs until the next issue is prepared in May, 1979.

\* \* \*

EQUIPMENT CORNER: Bob Thompson, K6SSJ, recently prepared a analysis of four highly successful commercial transcievers, the Drake TR-7/DR-7, ICOM IC-701, YAESU FT 901M and the Kenwood TS-820S. His analysis is that of a ham and reads nicely. With his permission they will be included in the next issues of PAARAGraphs for your analysis:

KENWOOD TS 820S:- What can one say about the TS 820 that has not already been said. It is a super rig. It's possibly the most popular rig in use on the amateur bands today. If you aren't familiar with it those advertising guys are going to be very upset with you. This rig is as popular on the ham bands as VW Bugs and Rabbits (don't forget Honda too) on the Freeways. It's great on CW and equally good on Phone. IF shift helps to eliminate loads of QRM on either SSB or CW. The built in features are most helpful. The Speech Compressor gives it a good bit of punch on Phone and helps in the pileups for the elusive ones.

The SM-220 Station Monitor looks like a super desirable accessory for use with this rig. A scope monitor and panadapter built into one unit. The R-820 also appears to be a super receiver and it can be used as an external VFO for this popular rig. I haven't had the opportunity to check out their SP-820 speaker with built in Audio

Filters but reports are that it works very satisfactorily.

The rig itself is one of the least expensive of the late transcievers available today. It's loaded with nice features, it's in wide use in the U. S. and elsewhere. A DC to DC converter option is available so as to make it convenient to work from a car battery but this feature is not included as a built in. For the most part this may be one reason for the very competitive pricing of this unit.

The disadvantage of the TS-820 is probably the low output on 10 and sometimes 15 meters. The output on 10 meters is disappointing at about 70 watts, which is not sufficient to drive a linear using a pair of 3-500Z's. And speaking of Linears, Kenwood does have out a matching Linear, the Model TL-922A, which has a pair of 3-500Z's and is matched to the styling and appearance of the rest of the line. The driv power for their linear is 80 watts nominal and 120 watts peak, which is about what the TS-820 puts out over the 1.8 to 28.5MHz bands. Mods (american generated) are being talked up to raise the screen voltage on the 6146's to overcome shortcomings of low output and several others have surfaced, such as the Magicom RF Clipper which is said to be better for DX pileups than the built in RF Compression. Raising the screen voltage could tax the built in power supply (eventually resulting in a burned out plate transformer) and shortening the life of the 6146's. The duty cycle on SSB and CW is rather short except during tuneup (which has been known to be hard on 6146's) and so the above modifications might work perfectly well if one took it easy on the tuneups and was careful not to overwork the rig. An IF shift mod is also out, which is said to sharpen it up a little. A southern California ham also has out a front end mod said to help the front end overload or cross modulation problems too. It is not bad to begin with but the latter mod is supposed to make an improvement.

To sum it all up, one would have to say that the TS-820S is a workhorse and that the pricing is right. There have been few complaints and not much talk of returns to the factory Service Office, all of which speaks well for this little rig.

With everything included for split operation (external VFO) the price is just over the \$1000.00 mark and that's about as good as you can get these days.

FLEA MARKET CORNER:

Gerry, W6NIR, cleaned out under the cellar stairs and found the following that should make some Novices happy:

1	Mint Halicrafters S-38D	\$ 18.50
1	SX2&A, all tubes and functions working	37.50
1	HQ11OC (C means it has a clock)	45.00
1	DX 100	35.00
1	Heathkit VF-1	10.00
1	AMECO 621	22.50
1	RME 4350	40.00
1	LM14FM with power supply and book	10.00

See what you don't need when you get an Atlas? For a glowing account of the quality of the above gear see Gerry at the meeting, talk with him on the air, or call 325 4670.

Jim, K7UDG, has some surplus gear:

1	YAESU 227R with sub-audiable tone board	275.00
1	TR7400A " " " "	310.00

Jim is new to the area, has no phone yet, but he will be at the November meeting or can be reached at 1777 Woodland Av. Apt. 38, Palo Alto, CA 94303. If you wish to upgrade 2 meter equipment he'll be on the PAARA Net regularly. Jim Hartwell.

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