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MENLO PARK, CA. 94025

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

vol. 23  
1979

# PAARA

## GRAPHS



palo alto  
AMATEUR  
RADIO ASSN.

MENLO PARK C.D. RADIO CLUB, K6YQT

VOLUME 23 NUMBER 3

MARCH 1979

PAARAGraphs is the official organ of  
The Palo Alto Amateur Radio Association and the Menlo Park Civil Defense Radio Club

1979 CLUB OFFICERS

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	Shannon Lile	K6TNY

PAARA POLICIES

Membership in PAARA is \$4.00 per calander year (payable in January) which membership includes a subscription to PAARAGraphs. Interested others may subscribe to PAARAGraphs for \$1.00. Make payment to:

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

Contributions to the P.O. Box above or, 1043 Del Norte Av., Menlo Park, CA 94025

PAARAGraphs STAFF

Editor	:	Bob Baum	W6BFH
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Advertising	:	Swede Swenson	KA6BEU
Printing	:		
Mailing	:	Ed Fairbanks	W6AIN
Cover	:	Sue Lindner	L6VLY

REGULAR MEETING CORNER:

A MODERN DEVELOPMENT IN CRYSTAL RECEIVERS

by

Jim McNutt, WA6OTP

Jim will discuss some techniques of crystal receiver design and fill the room with music from one of his projects. A build-it program you won't believe!

Eyeball QSO's

Refreshments

The start of a Glorious Raffle Program

Friday, March 2, 1979

Menlo Park Recreation Center

Rooms 15 - 17

Menlo Park 7:30 p.m.

PAST CORNER: Terry, N6RY, tested various kinds of 2-meter gear with frequency counters and a spectrum analyzer and performed or suggested changes in tuning equipment while Robert, WA6MSA, demonstrated a Heathkit Model H8—Keyboard sending of c.w. and video display for receiving. A dream machine with many other faces.

There was enough for all to see but some complaints about sore ribs were heard from those who wanted a closer look. The chin sessions that took place after each had an eye-full of equipment took up some slack time. Jim, K7UDG, indicated he had a Novice class going but it was now too far advanced for beginners.

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BOARD CORNER: The PAARA Board of Directors met in the neither hot nor cold Mobile Home Campsite February 7, from 7:30 to shortly after 9:00 p.m. and during that period decided:

1. To give Ed, W6AIN, free reign to spend more on raffle prizes. (Let's see—an 820S? System One antenna? ooh boy, let's dream)
2. To survey the trailer (above it was a Mobile Home) to see what it would take to make it mobile.
3. To sponsor an Explorer Group of Scouting, U. S. A. —see Explorer's Corner.
4. To accept Bob's report on the Menlo Park Civil Emergency exercise of February 6.

5. To give Bob permission to reduce the size of type in PAARAGraphs gradually to a point where only the young can read it. It was suggested that when PAARAGraphs got down to 3 1/2 by 5 1/2 inches a Fresnel lense should be included.

And what else? The meeting was attended by all Board Members plus Fred, K6YT, Jim, K7UDG and Liza, WA7WXA, showing that those in the club that have a cause can be heard.

Your editor left before an argument ensued regarding the ownership of a flashlight—no one wanted it.

PUBLIC RELATIONS CORNER: 54 attended the February meeting. Among them were guests:

Carl Nicholson, Jr., KA6EKG, San Carlos.  
Jim O'Neil, Redwood City  
Bob Gallagher, Los Altos  
John Vercelli, Mountain View  
Max Roland, Menlo Park  
John Fraher, Los Altos  
Gerard Schoen, Palo Alto,  
a nice group, and a pretty good percentage of those attending.

Relatively new members that have not been reported in PAARAGraphs include:

Walter A. Read, W6ASH  
10371 Berkshire Dr.,  
Los Altos, CA 94022  
415 948 6753

Liza Aguilar, WA7WXA  
P.O. Box 7410  
Stanford, CA 94305

Don Johnson  
809 Capay St.,  
Espero, CA

James W. Hartwell, K7UDG  
1777 Woodland Ave., #58  
Palo Alto, CA 94303  
325 8309

David McGuire, W6JHU  
5943 Tompkins Dr.,  
San Jose, CA 95129

F. Willard Griffith  
156 Burns Av.,  
Atherton, CA  
322 4551

Leonard J. Schumacher, WA6HLE  
902 Avon  
Belmont, CA 94002  
591 4385

Douglas A. Baum, KA5DQR  
P. O. Box 993  
Galveston, TX 77553  
713 737 3064

Peter D. Hinton, WD6CVF  
33 Maple Ave.  
Atherton, CA 94025  
325 1244

Larry Vosper, KA6DZM  
P.O. Box 8398, S. F. Int'l Airport  
San Francisco, CA 94128

Welcome to the group. Some of you will have to make yourselves known for a few meetings but after that there'll be no limit to your activity or friendships.

We have lost track of Rachael Trout, WA6EQA. If anyone knows her address, different than the Good Sam Club in Calabasas, give it to Ed. We don't want her to think we've forgotten about her.

\* \* \*

EXPLORER'S CORNER: A monthly column in PAARAGraphs will be contributed by the new, and as yet unnamed, Explorer's Post of Scouting, U. S. A., sponsored by PAARA.

The present six members of the Post are expected to swell to about thirty as exposure continues. The group now includes John Buonocore, KA6CUG, a PAARA member, Bob Gallagher, Karl Jogie, Sandy Large, Jim O'Neil, and Andy Valencia, WB6RRU.

Sandy has been selected by her peers to handle liaison between the Explorers and PAARA.

Instigators of the group's founding were Jim, K7UDG and Liza, WA7WXA. The Committee of PAARA working with the youngsters, or young adults, depending on the reader's age, consists of Ken, WA6NYB, Don, W6CFZ, Fred, K6YT, Al, AG6D and John, WA6YSY. Ken, WA6NYB, has been selected by the PAARA Board of Directors to be Chairman of the Committee.

\* \* \*

PAID UP CORNER: At the expense of being redundant, records show that the following members have paid their dues. For that, hopefully, they will be included in the Roster in the April issue of PAARAGraphs. Those not included in the list should get in touch with someone by the close of the March meeting. The Roster is no little chore and not to be left until the last minute.

AG6D K5OSQ KA5DQR K6's AL CTT EHS  
FS MPN OL OYN RU SEM TNY YT  
K7UDG KA6's ATG BEU CUG DZM KH6DZB  
N6's HM IQ RY YV VE3FZK W6SH W6's

AIN AQL ARA ASH BFH CFZ CUN DU  
DVB DEF EM FILE GNX JHU KJI LII  
NA NIR QXP RVS TFT UCE WD YPM  
WA6's AMC BCH BQY ENC FSQ EQA GVP  
HLE IJP KJJ LIJ INV MIV NCX NYB  
OFN ROM SOI SZX YSY WXA WB6's  
JFH IML LVP NNL OOO QPV RAF RNO  
STW WD6's AAS BGV CVP WA7WXA  
Earl Crocker, F. Willard Griffith,  
Walt Harper, Don Johnson, W. B. McEl-  
hinney.  
K7UBG will have to defer his listing to  
K7UDG. Such are the horrors to be  
found in March.

" "

NOVICE CORNER: Swede, KA6BEU, was active during the Novice Roundup. He sandwiched in a number of JA's while working 38 states. He was plagued with equipment problems part of the time and is sorry he didn't get the 50 States.

Doug, KA5DQR, got into the Rag Chewers Club two days after he got his license. After an initial attempt to make west coast contact on 40, he switched to 15 the next morning and since has had almost daily contact with his OM, Bob, W6BFH. The longest QSO so far lasted an hour and ten minutes including two QSYs due to QRM. He will be Maritime Mobile one of these days with QSL cards courtesy of Courtesy Press, Menlo Park.

GENERAL CORNER: Rather quiet now but activity is expected from a couple of the current Novices.

ADVANCED CORNER: Seems to be quite a bit of a hurdle. C'mon you Generals. Many more get here and I'll have to begin working on the

EXTRA CORNER: to do what I've been exhorting everyone else to do...UPGRADE.

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CLASS CORNER: Three of our visitors got together at the February meeting to set up a class, tentatively for Thursday, the 8th. It fell through. The details of why are not now important, but it is obvious that a class is not a sure road to a license.

CALL SIGN CORNER: A look at our Roster and a listen on the air shows the changes that have taken place in call-sign assignments since last April.

Table 1 in the January, 1979 QST describes the new allocations well. A few have requested information about the confusion so here follows excerpts from the QST article:

Group A Call Signs (Extra Class)

Block No.	Contiguous USA
4 - 13	AA//c - AK//c
14 - 36	KA//c - KZ//c
37 - 59	NA//c - NZ//c
60 - 82	WA//c - WZ//c
83 - 92	AA//cc-AK//cc
93	Group B

The following prefixes will not be assigned to stations in the contiguous 48 states. AH KH NH NL NP WH WL WP. Pacific-area stations will be assigned AH//c KH//c NH//c WH//c, then group B. Atlantic-area stations will be assigned KP//c NP//c WP//c then group B.

Group B Call Signs (Advanced Class)

Block No.	Contiguous USA
1	KA1cc
22 - 23	KB//cc - KZ//cc
24 - 46	NA//cc - NZ//cc
47 - 69	WA//cc - WZ//cc
70	Group C

KA1 prefixes will be assigned only to persons living in the first call district. Other KAs are assigned to U. S. personnel living in Japan.

The following prefixes will not be assigned to stations in the contiguous 48 states: KH KL KP NH NL NP WH WL WP. Pacific-area stations will be assigned calls in the format AH//cc; Alaska-area stations, AL7//cc; and Atlantic-area stations, KP//cc. Once these blocks are used up, assignments will be made from Group C call signs.

Group C Call Signs (General and Tech.)

Block No.	Contiguous USA
1*	K//ccc
2	N//ccc
3*	W//ccc
4	Group D

\*these are not being currently assigned

Pacific-area stations will be assigned KH//cc NH//cc WH//cc, in that order. Alaska-area stations KL7//cc NL7//cc WL7//cc; Atlantic-area stations NP//cc WP//cc.

After these are depleted, Group D will be used.

Group D Call Signs (Novice Class)

Block No.	Contiguous USA
1 - 23*	KA//ccc-KZ//ccc
24 - 41	WA//ccc-WZ//ccc

\*except KC4AAA-AAF and KC4USA-USZ.

The following call-sign formats will not be assigned to stations in the contiguous 48 states: KH//ccc KL//ccc WP//ccc WR//ccc WT//ccc. Pacific-area stations will be assigned KH//ccc WH//ccc; Alaska-area stations KL7//ccc WL7//ccc; Atlantic-area stations KP//ccc WP//ccc.

After reading it once and typing it three times, it should be clear to me.

+ + +

QST, ARRL CORNER: Recent word goes that QST subscriptions will increase to \$16 in April. Those who wish to extend their subscriptions at the old rate can do so by subscribing through PAARA. (that isn't, naturally, the only way, but, read on) The Club gets \$1.50 of the subscription fee if presented through Irene, WB6RAF. One refund per order, so if you renew for 5 years it's still the same buck and a half. But better than nothing. See Irene at the next meeting with your check made out to PAARA. She'll order them all at the same time. Subscribe to QST. Then you won't have to wonder what was left out in the articles that are pirated by PAARAGraphs.

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PREPARINESS CORNER: The City of Menlo Park held a simulated emergency drill in the City Hall, Wednesday, February 7. Included were representatives and workers from all City Departments, the Red Cross, the County Office of Emergency Services and PAARA. The drill was based on severe flooding caused by protracted heavy rains.

Amateur representation was by Bob, W6BFH who was guided by the results of the January SET. One service that was found desirable was a link between the

command post and the outside world—beyond 2-meter range. It will probably be desirable to have HF gear at the Command Post as well as 2-meter equipment.

The City is installing a coax run to the outside of the building and will install a base socket for a supplied 20ft mast for 2-meters. Not high but probably adequate for our use, and can be extended if necessary. It is considered that a 75 or 40 meter dipole could be strung from the mast for HF contact with RACES nets. Hopefully the whole thing will gel before we need it.

+++

PAARA NET CORNER: While the usual number of check-ins to the PAARA 2-meter net on 147.45 mHZ Monday evenings at 8:30 runs twenty or so, January 30 had 30 check-ins.

In light of the need for a HF Net for a tie-in with the outside world in case of an emergency, could PAARA develop interest in a HF Net? Some comment at the Command Center indicated it would be helpful if there could be neighborhood communication centers with amateurs passing local conditions to the Command Post. It is worth thinking about and would give those without 2-meter capability a chance to enter into the emergency preparedness program. Who knows? It might be as crazy a net as we fell into on two.

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NEWSLETTER CORNER: Some may notice a difference in the Newsletter format this month. Wishing to save the nation's forests, it was determined that the printer could reduce the size of the page and still get a legible copy—for those with 20-15 vision. So this page will have as much on it as an 8 1/2" x 11" sheet. It figures out that instead of 430 square inches of printed matter on 10 pages, this size allows 456 square inches on six pages. So, puccawalla, you have more to wade through for less. If you can bear with it, it will cut production costs by 1/3, which is still more than the traffic will bare. Hopefully, one day, we can get back to the ol' standby, Mimeograph.

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ONE LINE FILLER CORNER: This is it.

SILENT KEY: L. N. Van Eaton

"Van", W6LCN

One of the founders of PAARA, passed away early in December. He had lived in Georgetown, CA for the past ten years...

\* \* \*

THE INTERNATIONAL ASSOCIATION OF AIRLINE HAMS CORNER: Their newsletter indicates lots of activity for airline employees, present or at one time. See Ed, W6AIN, who qualifies, as do many others, about this active association. Nets, conventions, and, if enough local members, social functions too. Doesn't sound like a fly-by-night organization. Their net meets "Mornings at 1700Z on 14.280; afternoons on 7.275 or 21.375 at 1800Z" Afternoons? You can tell where their newsletters are printed. Sundays only from the looks of things.

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QUESTIONS ANSWERED CORNER: Word comes that RN6 is the regular night-time net; DRN6 is the dat-time net of the Northern California Traffic Net. That little gem came from Ed, W6AIN. He suggests those wishing more information look to page 8 of the February PAARAGraphs.

• • •

ADVERTISER'S CORNER: The fact that C. Com of Seattle has discontinued their advertising in PAARAGraphs does not reduce our appreciation for their support during the past year. They are a little removed from the Bay Area but their service is excellent. Continue shopping around. If they have what you want for what you want to give, let them know you are a member of PAARA.

Swede, KA6BEU, became our unofficial Advertising Executive by beating the bushes for prospective advertisers.

For those who wish to enjoin battle, rates are:

Full page	\$13.00/month
1/2 page	6.50 "
1/3 page	5.00 "
1/4 page	3.75 "

An advertiser supplied flyer will be inserted in PAARAGraphs for \$5.00 per month. (See pg. 7)

FLEA MARKET CORNER: SPARKS has settled on March 10 for their next flea market. It will be held at the usual place, the parking lot of Ford Aeronutronics Center, somewhat north of San Antonio Rd. and west of Bayshore. Bargains galore are promised—and not too early to shop around for goodies you may want to make someone happy with in October. No word yet from SPARKS, but undoubtedly something will come from SPARKS by the March 2 meeting of PAARA. The time? 9:00 a.m. until everyone is sold out.

WR6AFM is having a Club drawing as a fund raising campaign. Tickets \$10.00 for 11. Nice prizes. Not sure whether anyone can get into the act—ticket printing has been limited—but it's certain you won't be blasted off the repeater for asking. Drawing date was announced in the November Repeater, no longer available, and the most recent issue failed to include it. Last year it was in April...Check to see.

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UNCLASSIFIED CORNER: PAARAGraphs allows space for ads by members, and by others as space permits, to help distribute equipment to those who might need it.

WANTED: Articles for one of the outstanding Club periodicals. Humor? technical? Educational?? Nonsense? presented as a public service with no copyrite restrictions. Send contributions to PAARA, PO Box 911, Menlo Park, CA 94025 by mail, carrier pigeon, radio or phone 325 0497. 456 square inches is a lot of writing—PAARAGraphs may be reduced to the back of the cover! And then more.

WANTED: For some reason the announcement that PAARAGraphs needed an advertising executive brought no applicants last month. Swede, KA6BEU, won by default by asking a few prospective advertisers. It turns out that a rag with lots of advertising has no trouble. Let's keep PAARAGraphs out of trouble. We have the readers, the distribution and can make a little space.

WANTED: Items advertised in the Unclassified corner. Anyone with a good sized 15 meter beam in the garage? Call Bob, W6BFH. And it's miserable

when the only WANT AD is placed by the editor. 325 0497

BUILDER'S CORNER: Gerry, W6NIR responded to the plea for crystal frequencies for various kinds of 2-meter gear. He sent a table good for 73 years of PAARAGraphs. One thing at a time. If you are wondering what crystal frequency you need for 147.45, hyar 'tis:

6 MHz Tx: 6.14375; 8 MHz Tx: 8.191666MHz  
12 MHz Tx: 12.2875 Mhz; 18.43125 MHz;  
45 MHz Rx: 45.583333MHz; Standard Rx:  
15.083333 MHz; Unique Rx: 15.194444 MHz.

Now that you have the important one, others can be obtained Monday evening on the PAARA net, just for the asking.

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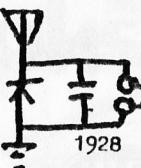
CCRC CIRCLE CORNER: No news and no one home. The last mail has come and it's not there. A report from Steve, K6FS, in April...the next CCRC meeting is after the PAARA meeting.

\* \* \*

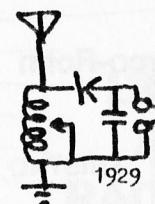
EDITOR'S CORNER: Typed whilst listening to the cultural wasteland pull itself up by the boot-strap, George Cleve and group outdoing anyone with Traviata.

\* \* \*

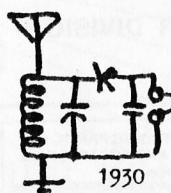
#### Crystal Sets I Have Known:



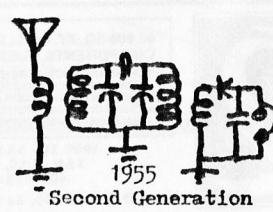
1928



1929



1930



1955  
Second Generation



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