



U.S. POSTAGE PAID
PERMIT no. 320
MENLO PARK, CA. 94025

TO:

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

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

PAARA

vol. 25
AUGUST, 1982.

GRAPHS



**PALO ALTO
AMATEUR
RADIO ASSN.**

MENLO PARK C.D. RADIO CLUB, K6YQT

SHAVER RADIO, INC.

(408) 998-1103

1378 S. BASCOM AVE. SAN JOSE, CALIF.

CELEBRATES ANOTHER

FIRST!

DRAKE
SWAN
COLLINS

YAESU
KENWOOD
TEN-TEC

HF TRANSCEIVERS AT DEALER COST!

WITH ANY PURCHASE OF \$100 MIN.

NEW, SEALED, FULL WARRANTY



Friday, August 6, 1982

7:30pm

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

AIRCRAFT COMMUNICATIONS

by

David Thomas

David, who works for A.R. Inc., is an expert on radio communication for aircraft and airlines. If you have wondered what the airlines did after they sold their ART 13's and BC 348's, come to the meeting!

Meeting to be held at the Menlo Park Recreation Centre, Alma at Mielke, Menlo Park. Future meetings: September 3, 1982; October 1, 1982.

Circle the Date

August 6, 1982

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

1982 Club Officers:

President	:	Gerry Tucker	WA6LNV	326-4908
Vice-President	:	Kevin Lapp	WA6FAC	364-2654
Secretary	:	Gerry Wagstaffe	W6MIR	325-4670
Treasurer	:	George Nixon	GI3OEM	854-6445
Trustee, K6OTX	:	Fred Canham	K6YT	948-9238
Property	:	Ed Fairbanks	W6AIN	322-0319
Co-Property	:	Fred Canham	K6YT	948-9238
ARES Officer	:	Steve Stuntz	K6FS	322-4952

Club Historian : Jerry Zobel W6ARA 322-0063

Club nets : 147.45 MHZ, Monday, 8:30 L.T.
14.287 MHZ, Monday, 9:00 L.T.

Board of Directors:

Chairman	:	Gerry Tucker	WA6LNV
Members	:	John Buonocore	KD6ZL
	:	Wally Porter	K6URO
	:	vacant	
	:	Ed Fairbanks	W6AIN
	:	Bill McElhinney	KA6LZI
	:	Bob Wheeler	K6SEM

PAARAGraphs Staff:

Editor	:	George Nixon	GI30EN
Advertising	:	Swede Swenson	N6CHL
Mailing	:	Bill McElhinney	KA6LZI
Cover	:	Sue Lindner	LØVLY

PAARA Policies:

Membership in PAARA is \$6.00 per calendar year (payable in January), which membership includes a subscription to PAARAGraphs. Freebee distribution to those who indicate an interest in the Club, and as an inducement to their becoming members, and is subject to change with changing interests in the Club. Make payment to: PAARA, P.O. Box 911, Menlo Park, CA 94025.

Written contributions to the P.O. Box above, or to the Editor, 1140 Sherman Avenue, Menlo Park, CA 94025. Deadline is two or three days after the Board of Director's meeting.

Stop Press:

PAARA VICTORS AGAIN!

NOT JUST A HAT-TRICK BUT FOUR TIMES IN A ROW!

PAARA FIGHTS OFF STRONG CHALLENGE FROM FARS!

Report: All was tense at the Village Host on Wednesday, the 14th of July, Bastille Day, at 9:30 pm. Was PAARA to fall in the C.C.R.C. Field Day Plaque Contest as the Bastille had fallen almost two hundred years ago? We knew our score and it was slightly down from that of last year; it was not reassuring as we knew that FARS, the Foothill Amateur Radio Society, had mounted a tremendous effort this year. Fred Canham, K6YT, the overall organizer and General Factotum of our Field Day effort, was on the telephone to FARS as the rest of us drank our beer with trepidation in our hearts!

One look at Fred as he returned from the telephone told us all; we had won again. Fred said that he did not even need to be told that we had won; the deadly silence from the other end of the telephone circuit showed that 13, 784 had been the coup de grace!

The scores were:

	PAARA 1981		PAARA 1982		FARS 1982	
	CW	SSB	CW	SSB	CW	SSB
80/75	38	120	117	193	94	188
40	313	274	305	1075	453	395
20	953	1305	621	1502	715	1339
15	542	1192	406	591	358	717
10	2	25	-	43	-	15
2	-	-	-	-	-	43

	PAARA 1981		PAARA 1982		FARS 1982	
	CW	SSB	CW	SSB	CW	SSB
Novice	109	-	40	-	130	-
Oscar	2	14	1	3	1	3
Score before bonus	13696		12774		12404	
Bonus	-		1010		1010	
Total	-		13784		13414	

FIELD DAY 1982 by Fred Canham, K6YT:

PAARA's phone contacts up; CW contacts down! The shifting band conditions certainly played a big part in this year's scores. There were 799 more Q's on 40 metre phone this year over last year. Twenty metres provided 197 more phone contacts this year over last.

On the CW side, results were very puzzling. Twenty and fifteen just did not produce as in prior years. Top performance by all operators was monitored by CW captain Cam Pierce, K6RU, and phone captain Bob Wheeler, K6SEM. The effort of all our operators is much appreciated.

Field Day planning recognized that the lower frequency bands were becoming more important and a KLM 3 element beam for 40 metre phone (provided by the CW captain) and 80 metre phased verticals were part of the plan.

How did PAARA make out overall? Other scores are not in yet and we will have the local K6YA/K6YT results about the 14th of July (after this writing).

After three years running as the front runner in the 4A class, a look over our shoulder for that dark horse is in order; at the time I write this, it is still a race.

We are very much indebted to Carl and Shirley Schoof for the use of their excellent Bay front site for Field Day. They have assured us that we are welcome back next year.

Excellent publicity was obtained in several local papers. Jerry Zobel, W6ARA, and his XYL, Louise, polished up our news release and it really paid off. There were four columns in the Peninsula Times Tribune of June 24, and pieces in three or more other local papers.

The operators for phone were: Rich Smith, K6KT; Gary Caldwell, WA6VEF; George Varvitsiotis, WB6DSV; Mori Young, KN6M and Team Captain, Bob Wheeler, K6SEM.

The operators for CW were: Allan Brubaker, K6XO; Bob Wilson, N6TV; Gary Caldwell, WA6VEF, and team captain Cam Pierce, K6RU.

The Novice station was provided by Paul Thekan, N6FEG, and operated by Jim Seidman, KA6RNY, and Rob Taylor, K6NAN. Explorer Post 599 did not participate.

The Satellite station overcame antenna problems and came thru with Oscar 8, Russian RS6 and RS7 contacts. The team consisted of Captain Ed Johnson, WB6CFW; Clif Keily, KA6JWA; Kevin Lapp, WA6FHC; Joe Lutz, WB6EAS; and Alan Lapp, WA6FNG, jr. op. Congratulations Gang!

Saturday night dinner of chicken stew was prepared and served by Kathy Canham. Lynne Canham prepared the salad. Dessert was prepared by Lois Swenson. Bright and early Sunday morning, Dave Daniel and his daughter Sharon served pancakes to the hungry crew; Man, were they good! Andy Anderson, K6EHS, brought the beer and

soda pop, very welcome with the warm weather.

Murphy was there also. During the night, the main generator stopped three times. It was only after the sun came up Sunday morning that the trouble was found. The heat riser valve was stuck and the XXXXXX carburetor was freezing up. The spare generator was put in service; however, the CW gang had lost some time in having to reprogramme their automatic keyers each time that the power had been interrupted.

Many stars did not operate at all during the contest. The members who helped erect the antennas and set up the stations, and then pack up after the contest, are to be thanked as well for their hard work and dedication. Those that come to mind are:

Shannon Lile, K6TNY
Ken Dwight, WA6NYB
Bill McElhinney, KA6LZI
Paul Thekan, N6FEG
Wally Porter, K6URO
Gerry Wagstaffe, W6NIR
Andy Anderson, K6EHS
Perry Yelton, KD6ID
Allan Brubaker, K6XO
Cam Pierce, K6RU
Bob Wheeler, K6SEM
Swede Swenson, N6CHL
Gerry Tucker, WA6LNV
Ed Fairbanks, W6AIN
Dave Daniel, KB6WF

For those of you who took pictures, I have to have them for mailing to QST before the July 26th deadline.

Fred, K6YT.

FIELD DAY 1982 by Paul Thekan, N6FEG;

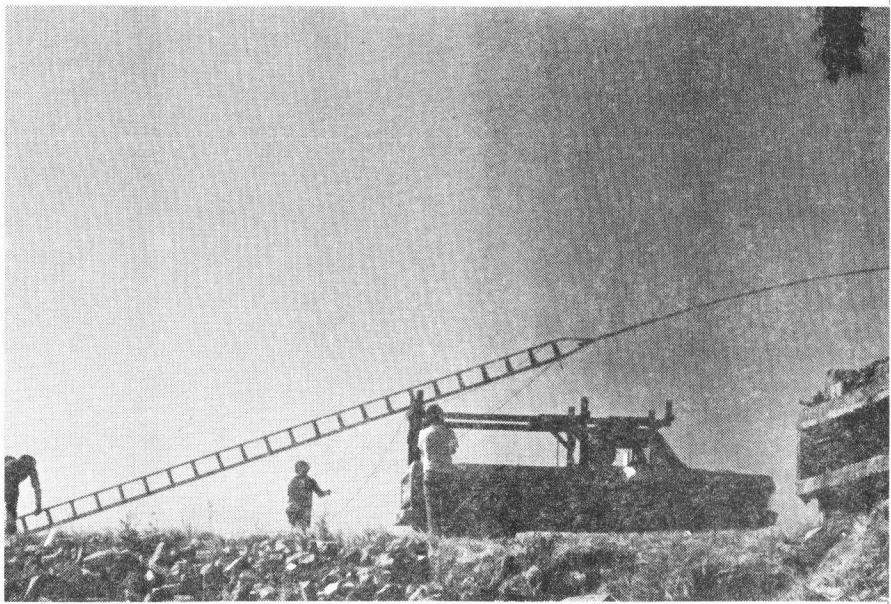
1



2



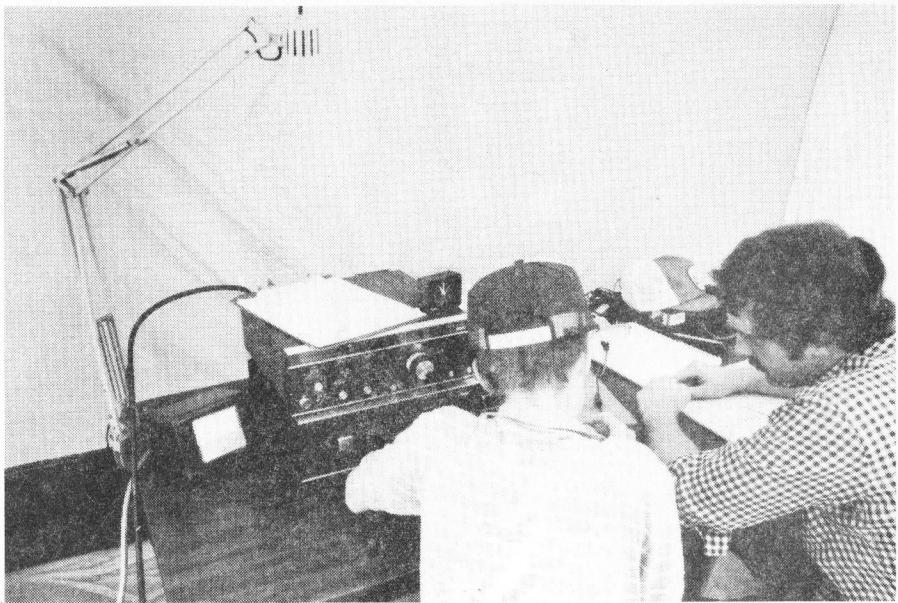
3



4



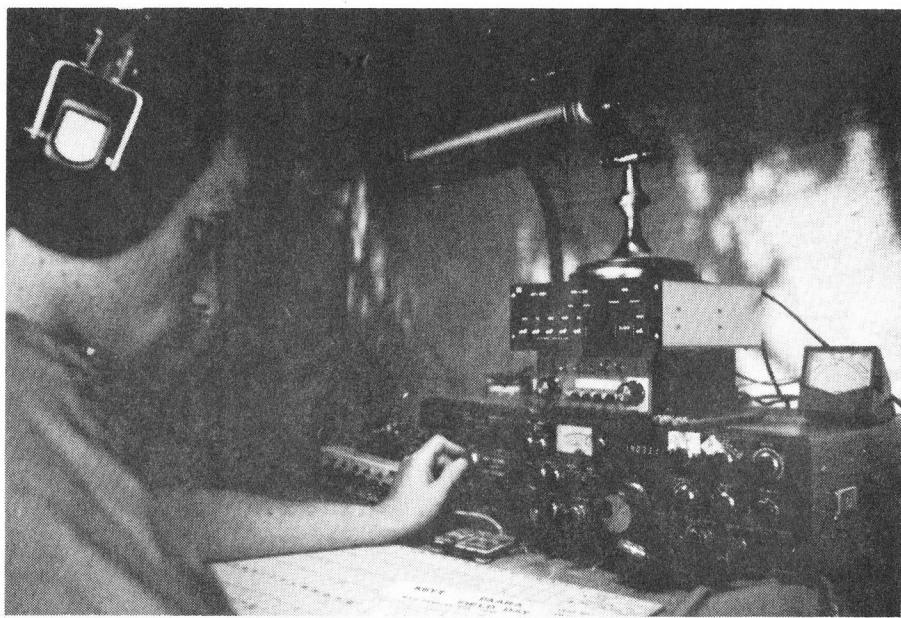
5



6



7



8



The Novice tent for this year was ably operated by James Seidman, KA6RNY, who single-handedly made 99% of the contacts. The other 1% was made by Rob Taylor, KA6NAN, who, after a long absence from the key, made a comeback with one contact, well, they all add up!

Rob and Paul Thekan, N6FEG, helped with the logging and logistics of the Novice operation. All in all, it wasn't a bad showing, considering that there was only one active operator and the station was not manned at night. Had there been a couple more operators, I am sure the score would have been much greater. The five Natural Power contacts were made at the Novice station with Ken's, WA6NYB, Kenwood 130. Special thanks to Dave, KD6WP; Allen, WA6AZP; and Swede, N6CHL, for their help in putting up and taking down the Novice station. Very special thanks to Rob, KA6NAN who helped me keep my sanity.

Tnx & 73,
Paul, N6FEG.

MEETING REPORTS: There is no President's Corner this month as our President is travelling, in Chicago, so rumour has it. Likewise, there is no Club Meeting report as your Editor was celebrating his tenth wedding anniversary in Carmel at the time of the meeting.

The Board meeting of July 14, 1982 was held at the Club trailer, and present were: Fred Canham, K6YT; Wally Porter, K6URÖ; Ed Fairbanks, W6AIN; John Buonocore, KD6ZL; a member of the Field Day satellite team whose name I forgot to get, to my shame; Kevin Lapp, WA6FAC; and your Editor, George Nixon, GI3OEN. Kevin Lapp chaired the meeting.

The first item for discussion was about who should sell the raffle tickets. Fred Canham suggested that we should give the Scouts a break. Kevin Lapp sugg-

ested that the President or Vice-President select a person, before the meeting, to sell the tickets. This policy would have two effects: (1) tickets would be sold before the meeting as well as during the coffee break, and (2) Gerry Tucker, our President, would have to come to the meeting on time, instead of rush-in late, as he usually does! See what happens when you are not at the meeting to defend yourself, Gerry!

The PAARA Club Auction will be held on the 16th of October this year to avoid a conflict with the Western Division Conference, which is being held in Santa Cruz on the 9th of October. This year, tables at the Auction will cost \$5.00.

The Directors then discussed the obtaining of prizes for the raffles, and it was decided that items bought at Flea Markets would be used to supplement the new items for use as prizes. The Directors came to this decision after several Directors spoke of fantastic bargains that they had seen with their own eyes at Flea Markets; bargains such as long lengths of high-grade coax for pennies. No junk, of course, will be the watchword!

In your Editor's garden, mint grows in profusion, almost, in fact, as wildly as the plants in a science fiction film. Your Editor has been keeping it under control until now by drinking mint juleps at judicious intervals, but the situation has now got out of control by this method, so your Editor harvested a large crop of mint and brought it to the meeting for the others. Some directors, it turned out, have the same problem in their own gardens, and the last thing they needed was more mint; other directors accepted gratefully; but John Buonocore, KD6ZL, our Explorer Scout, was suspicious. Was it an addictive weed, he asked; would he be arrested by the police if it was found in his possession? Your Directors assured John

that mint was legal and harmless, and that it could be served in fruit salads or with the Sunday roast lamb. Thus reassured, John accepted some mint to be handed over to his mother!

The Field Day score was, of course, the main thing that was on your Directors' minds, and your Directors were waiting until FARS had their Field Day scores ready for publication, at 9:30pm, so your Directors spent the rest of the time, up to 9:15, in gossipping and then went over to the Village Host to phone FARS.

The result you already know. The CCRC Field Day Plaque is ours for the fourth year in a row. Your Directors were delirious with joy, and Fred Canham could not have been more happy than if he had won the Irish Sweepstakes.

FOR SALE;

14 volt - 4 amp power supply - unused - Solitron SPS-4. Ed Fairbanks, W6AIN, 322-0319.

Letters:

(Reg Cherrill, W3HQO/G3XNV, is the Secretary/Treasurer of the Ex-G Radio Radio Club, and Editor of their Bulletin. Reg was also the founder of the club. Full membership is open to radio amateurs who were born in the United Kingdom and live outside it; Associate membership is open to radio amateurs who have a spouse or parent born in the United Kingdom. Reg's address is: 101 Lockhart Plaza, apt. A; Philadelphia, PA 19116.)

Dear George;

Thank you for another very nice copy of PAARA, now you know what I've been through this past 24 years

hi. Just a short one to make sure that you are aware there will be no no. 2 Bulletin; instead you will be receiving the new 'long awaited EX-G Call Book (hope you like it and it is up to date and worth waiting for). How about mentioning in your PAARAGraphs that we would welcome any "Exiles" out your way! Almost worked a GI3 on RTTY yesterday, band opened for a short time to UK, otherwise condx pretty rotten here and to be expected at this time anyway. Keep well. Working on no. 3 Bulletin right now, must run. Cheers & keep up the good work.

Vy 73, Reg.

(Ed.: Note Reg's 24 years as Editor. That's quite an achievement.)

Letters:

From Paul Thekan, N6FEG.

Dear George,

Enclosed you'll find a short article on how the Novices did at Field Day, as you requested. I hope it will do. Please continue your GREAT work on the paper. I'm sure it's a thankless job, so here's my thank you for what it's worth. (Ed.: actually, it is a very pleasant job; it needs to be done, and all it requires is a little determination each month.) I look forward to each month's issue, so as to keep up with the goings-on in the Club and Hamdom in general.

Agn tnx & 73, Paul.

(Photographs printed courtesy of Barry Florin, Beagle Graphics, 320 Davis Street, San Leandro, CA 94577. Photographs taken by Wally Porter, K6URØ, and George Nixon, GI3OEN.)

no. 1. Carl and Shirley Schoof, our hosts, the owners of the Boat Yard where Field Day was held.

no. 2. Fred Canham, K6YT, General Factotum of Field Day arriving at 8:30am Friday morning.

no. 3 & no. 4. Setting up the towers and antennas.

no. 5. The Novice station and the Natural Power station.

no. 6. The Phone station, what else!

no. 7. The CW station.

no. 8. Bob Wheeler, K6SEM, examines the innards of the generator which gave us the trouble during the night.

Letter from Bob Arcularis, WA6ION: Just before PAARA-graphs was printed, a letter from Bob was received which must be summarized and squeezed into the remaining space.

"Cable Television Interference. The City of Palo Alto is presently considering whether or not to have CATV within the City, and, if so, the manner in which it should be provided. It is my understanding that the City of Menlo Park is interested in Palo Alto's decision, in the event that it should prove practicable to connect into that city's system." Bob Arcularius suggested that the local Ham Radio Clubs offer to serve as advisors to the city committees concerning CATV specifications.

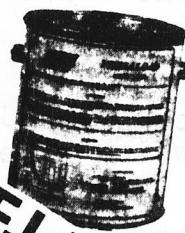
SPRING CLEARANCE



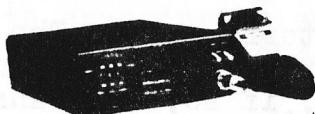
MP2
WATTMETER



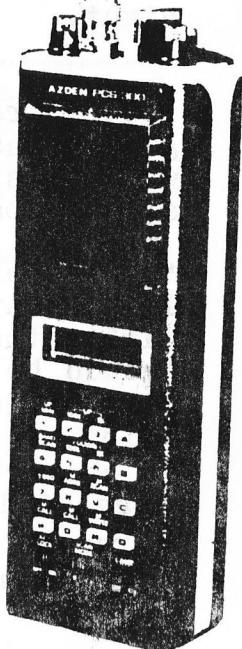
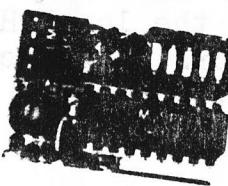
IC-551D



MFJ KW
DUMMY LOAD



IC-22U 800 channel synthesized successor to the IC-22S. Same case & styling but frequency selection by a pushbutton & thumbwheels. Output 10 or 1W HM-7 microphone w/clip, mobile mount, DC cord & plugs. 2 $\frac{1}{4}$ " w x 4" h x 8 $\frac{1}{4}$ " d, 4 $\frac{1}{2}$ lbs. Regular \$329.00



USED EQUIPMENT LIST

EBC144JR	Heath	Hallicrafters SX101A
ICOM 202	MFJ LSP520BX	Heath HW-16
Drake TR33C	Bearcat II	Swan 260
Alda 103	Heath Cantenna	Home Brew SSTV System
Ken TR7600	Heath HW-8	Yaesu FT-7
Heath SB630	Heath DX35	Heath TX1
Heath SB110A	Ameco TX62	Heath 260
Collins R390	Heath DX60	Dentron Clipperton "L"
Hammarlund HO-180	Hammarlund	Tempo 52
Collins R388	National NC183	Eico 753

AEA PRODUCTS

MK1	MBA-RO
CK1	Morsematic
MT1	Isopoles

MFJ GOODIES IN STOCK

484 Memory Keyer	16010 Random Wire Tuner	200 Dummyload
820 Watt Meter	525 RF Speech Processor	984 3 KW Tuner
202 Noise Bridge	400 Series Econo Keyer	961 1.5 KW Tuner
260 Dry Dummyload	262 Dry Dummyload	980 3 KW Tuner
311 VHF Converter	751 SSB/CW Deluxe Filter	

* LOTS MORE *

NEW PRODUCTS IN STOCK

QUAD SPIDERS REYCO TRAPS

SPECIAL CASH PRICES

Bearcat 100	\$299.00	KDK 2025	\$290.00
ICOM ML1	69.00	ICOM 22U	276.00
ICOM 551D	545.00	ICOM 2AT	239.00
Finco A10-4	39.00	ICOM 2A	209.00
Azden PCS300	299.00	Alliance HD73	99.00



RADIO
•AMATEUR
•MARINE
•INDUSTRIAL
•EQUIPMENT

TELE-COM** ELECTRONICS**

15460 UNION AVE. SAN JOSE, CA 95124 (408) 377-4479



Quement Communications Department

Complete communications service
under one roof.

Amateur, CB, commercial, installation
and repair all in one department.

Bring all your communications needs
to us. We will be pleased to assist you!



QUEMENT
ELECTRONICS

1000 SO. BASCOM AVE.
SAN JOSE, PHONE 998-5900
Open Mon.-Sat. 9-6