

# PAARA GRAPHS



AUGUST 1988

# PAARA FIELD DAY 1988 A REVIEW

THE OFFICIAL NEWSLETTER  
OF THE PALO ALTO AMATEUR  
RADIO ASSOCIATION  
AND

THE MENLO PARK C.D. AMATEUR RADIO CLUB

# PAARA



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Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAGraphs. Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026

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VOL. 31 AUG. '88

## FROM THE EDITOR'S DESK

THIS ISSUE SALUTES OUR PAARA FIELD DAY TROOPS AND THEIR 1988 HEROICS BY THE BAY. IT WAS A HOT BATTLE, AND THOSE WHO SERVED THE CLUB DID A FINE JOB. '89 PROMISES TO BE EVEN BETTER! DON'T FORGET THE EVENTS THAT ARE AHEAD: PAARA AUCTION AT AMPLEX ON OCTOBER FIRST; ARRL PACIFICON '88 ON OCT. 14-15-16. TNX TO THOSE WHO PROVIDED ITEMS FOR THIS EDITION. HAVE A GOOD AUGUST & SEE YOU NEXT MONTH.

-73 DE YOUR EDITOR.

## SPEAKER OF THE MONTH JAMES N. LORING KA6VVE

MICROWAVE PROFESSIONAL

WILL GIVE HIS PRESENTATION ENTITLED:  
"A SURVEY OF MICROWAVE TECHNOLOGY"  
WHAT A MICROWAVE DEVICE LOOKS LIKE,  
WHAT IT DOES, & HOW IT DOES IT, WITH  
A VIEW TO AMATEUR APPLICATIONS.  
JIM WILL BRING AN ASSORTMENT OF  
UNIQUE MICROWAVE COMPONENTS  
FOR THE CLUB TO EXAMINE & PLAY  
WITH... FROM THE MOST BASIC TO  
THE MOST "HIGH-TECH" TYPES. DO  
NOT MISS THIS SPECIAL ON AUGUST 5TH!

DINNER WITH SPEAKER: SU HONGS , ON  
EL CAMINO, OFF RAVENSWOOD, MENLO  
PARK. 5:45 PM MEETING FRIDAY AUG. 5!

# \* \* \* \* \* PRESIDENT'S CORNER \*

AS USUAL, ONCE THE FRANTIC PHASE WAS OVER WITH, FIELD DAY WAS LOTS OF FUN. MEMORIES HAVE ALREADY TURNED PLEASANT, AND THOSE OF YOU WHO DIDN'T MAKE IT MISSED A GOOD TIME. WE SPLIT INTO 2 GROUPS FOR MUCH OF THE ANTENNA WORK, WITH THE EXCEPTION OF THE BIG TOWER. THIS WORKED QUITE WELL, WITH THE CW TEAM CONCENTRATING ON THEIR STUFF, AND LIKEWISE FOR THE PHONE GUYS. WE COULD HAVE HAD A FEW MORE OPERATORS SHARE THE DUTIES, AS THERE WERE FEW BLANK PERIODS FOR BREAKS. THE RESULTS WERE ABOUT THE SAME AS LAST YEAR FOR QSOs, BUT WE DIDN'T LET AS MANY BONUS POINTS SLIP THROUGH THE CRACKS. UNFORTUNATELY, THE NOVICE STATION DIDN'T MATERIALIZE, AND WE WEREN'T SUFFICIENTLY PREPARED FOR SATELLITE CONTACT. NEVERTHELESS, WE GOT 3,494 QSO POINTS AND A TOTAL OF 4,514 OVERALL. FINAL RESULTS HAVE BEEN MAILED TO ARRL. LOOK FOR W6OTX IN THE NOVEMBER 3A LISTING. A LIST OF PARTICIPANTS MAY APPEAR ELSEWHERE IN PARAGRAPHS, BUT A FEW PEOPLE DESERVE SPECIAL THANKS. JOHN WB7TEM HONCHOED THE OTHER PHONE STATION, WHILE BILL WB6IYS DID A GREAT JOB ROUNDING UP CW OPERATORS AND KEEPING THEM BUSY. FRED K6YT AS ALWAYS WAS RIGHT IN

(MORE ON FACING PAGE)

# PRESIDENT'S CORNER

(CONTINUED FROM FACING PAGE)

THE THICK OF THINGS, DELIVERING TRAILERS, GENERATORS; PUTTING UP THE CW ANTENNA, AND ESSENTIALLY CO-OPERATING THE CW STATION MUCH OF THE TIME. HOPEFULLY, THE PHONE TEAM TOOK A LITTLE LOAD OFF HIS SHOULDERS AS FAR AS ANTENNAS ARE CONCERNED. ROB KA6JLT SINGLE-HANDEDLY TOOK CARE OF THE PACKET AND MESSAGE BONUS POINTS OPERATIONS. WE PUT A TOTAL OF 3 TOWERS UP, WITH 15 - METER PHONE LOCATED AWAY FROM THE OTHERS, WHICH HELPED THE RECEIVER DESENSING EXPERIENCED LAST YEAR. LAST BUT NOT LEAST, THANKS TO MY XYL JACKIE, WHO PUT TOGETHER THE RAW MATERIALS FOR A PANCAKE & EGG BREAKFAST.

OUR AMPEX AUCTION WILL BE 1 OCTOBER THIS YEAR, DUE TO A SCHEDULING CONFLICT... SO KEEP IT OPEN. LAST WEEK, K6FS, W6NIR, K6YT AND MYSELF WENT OVER TO ED W6AIN's QTH AND PRESENTED HIM WITH A FRAMED PAARA LIFE MEMBERSHIP AWARD IN APPRECIATION FOR ALL THE YEARS OF GENEROUS SUPPORT OF PAARA. HIS WIFE, VIRGINIA, SERVED US CAKE AND TEA, WHILE WE SPUN YARNS ABOUT THE OLD DAYS.

de WA6LNV

# PAARA BRIEFS

TED N6IIU ATV DEAL STILL ON (\$73 FOR RCVR UNITS). CONTACT TED ON 145.27 (MINUS) IF INTERESTED. ANDY VE3FZK HAS OLD TUBES & OTHER STUFF AVAILABLE FOR INTERESTED PAARA FOLKS. SEE HIM FOR INFO. -de VE3FZK

PAARA 1988 AMPLEX AUCTION & FLEA MARKET!!! SATURDAY OCTOBER 1. AMPLEX CAFETERIA, REDWOOD CITY. SAVE THE DAY FOR THIS IMPORTANT ANNUAL EVENT. MORE INFO NEXT MONTH.

PACIFICON '88 / ARRL PACIFIC DIVISION CONVENTION... OCTOBER 14-15-16... LE BARON HOTEL, SAN JOSE! CALL: (408) 243-8349 FOR INFO... REGISTRATION SHEETS AVAILABLE AT QUEMENT, 1000 S. BASCOM, SAN JOSE; & AT HRO LOCATIONS!

SPECIAL 73'S TO THE RECENTLY RELOCATED CRAIG SMITH N6ITW... WHOSE ALREADY CROWDED ITINERARY WAS AND HAS BEEN FURTHER CROWDED BY THE MYRIAD DETAILS OF SETTING UP A NEW HOME (AND SHACK) IN HIS NEW QTH. THOSE WHO DEVISE A SIMILAR REGIME ARE CHALLENGED TO KEEP AS EVEN A KEEL AS CRAIG & HIS XYL OVER THE LAST SEVERAL MONTHS! HOPE TO SEE YOU SOON. -ED.

KEN KB6BPM WAS GUEST AT JULY's PAARA MEETING, UP FROM SO. CAL. THANKS FOR CHECKING IN, KEN! -ED

# PAARA/VA BLIND CENTER UPDATE

WESTERN BLIND REHAB CENTER VISITS  
PAARA FIELD DAY:

SUNDAY MORNING, JUNE 26, AS  
FIELD DAY WAS STARTING TO WIND  
DOWN, THE PAARA FIELD DAY SITE  
WAS VISITED BY RECREATIONAL  
THERAPIST KAY KNOTT OF THE PALO  
ALTO VETERANS ADMINISTRATION  
WESTERN BLIND REHABILITATION  
CENTER AND ONE OF HER RESIDENT  
STUDENTS, HERB LAWSON, RECENTLY  
ARRIVED FROM A SMALL TOWN NEAR  
LUBBOCK, TEXAS. THEY WERE INTRO-  
DUCED TO THE CONTESTING ASPECT  
OF AMATEUR RADIO AS THEY TOURED  
THE 20- AND 15- METER SSB STATIONS  
IN THE TRAILER, AND THE CW STATION  
IN THE TENT. FOR MS. KNOTT IT WAS  
THE FIRST EXPOSURE TO HAM RADIO AT  
WORK; FOR HERB, AN OLD TIME CB-ER,  
IT RECONFIRMED HIS ENTHUSIASM FOR  
RADIO COMMUNICATION AND WHETTED  
HIS INTEREST IN GETTING LICENSED  
AND ON THE AIR WHEN HE GETS BACK  
HOME, IN A COUPLE OF MONTHS.  
INCIDENTALLY, PAARA WILL BE GIVING  
TALKS AND DEMONSTRATIONS OF  
VARIOUS MODES OF AMATEUR RADIO  
COMMUNICATION AT THE BLIND CENTER  
ON THE SECOND AND FOURTH WEDNES-  
DAY NIGHTS OF EACH MONTH, AT 7:30  
PM. THUS FAR, WALLY PORTER K6URO,  
JERRY STARKEY WA6LIJ, AND STEVE  
STUNTZ K6FS HAVE CARRIED THE BURDEN  
OF THIS COMMITMENT. ADDITIONAL  
VOLUNTEERS WILL BE WELCOME. IF  
INTERESTED, CONTACT ANY OF THE  
THREE GUYS NAMED ABOVE. -de K6FS

# FIELD DAY QST DE JOHN WB7TEM

FIELD DAY 1988 - 15 METER PHONE DAY WAS COOKING! . . . 40 WAS DISAPPOINTING.

THANKS TO A GENEROUS HELPING OF MUSCLE, INGENUITY, AND MATERIALS, THE 10, 15, AND 20 METER PHONE BEAMS WENT UP FRIDAY WITH NARY A WHIMPER, THANKS TO GERRY, WAGLNV, AND HIS HOMEBREW, TRUCK-MOUNTED TOWER RAISING RIG. GETTING ON 40 METER PHONE WAS ANOTHER STORY. NO ANTENNA! HOWEVER, GERRY HAD THE FORESIGHT TO BRING PLENTY OF COPPER WOUND AND A FIST FULL OF 4:1 BALUNS.

NOW, EVERY NOVICE'S "FIRST" ANTENNA IS A HOMEBREW DIPOLE (AT LEAST MINE WAS). AND WITH A FEW BASIC TOOLS, A POCKET CALCULATOR, THE CORRECT FORMULA FOR A HALF-WAVE DIPOLE IN FREE SPACE, AND A HALF HOUR OR SO OF FREE TIME, A SUITABLE FIELD DAY ANTENNA CAN BE CONSTRUCTED. NO PROBLEM. THE SITE WAS SET UP BY THREE THAT AFTERNOON AND I SHOULD HAVE PLENTY OF TIME TO WHIP OUT ONE 40 METER DIPOLE IN THE COMFORT OF MY HOME. GUESS AGAIN, MURPHY.

TO MAKE A LONG, DULL STORY SHORT, MY HOME WAS BEING LISTED FOR SALE THE FOLLOWING TUESDAY, LEAVING PLENTY OF TIME FOR FINAL MINOR ADJUSTMENTS BEFORE THE LOOKY-LOOS CAME TRAMPING ACROSS THE FRESHLY CLEANED CARFETS. AS I WALKED IN THE DOOR, MY PANICKED WIFE INFORMED ME THAT PROSPECTIVE BUYERS WOULD BE ESCORTED IN THE FOLLOWING MORNING AND THERE WAS SOOOO MUCH TO BE DONE BEFORE THEN! THE DIPOLE HAD TO WAIT UNTIL ELEVEN THAT EVENING. AND SO IT WENT (SIGH).

THE NEXT MORNING JOHN, K6JJU, AND I HOISTED THE RADIATOR UP JUST BELOW THE 20 METER BEAM SO THAT IT WOULD RADIATE EAST-WEST. WITH THE KENWOOD TS-430 INSTALLED AND READY TO GO, A FINAL SWR CHECK WAS MADE. GERRY SOUNDED THE STARTING BELL AT 11:45 AM AND THE RACE WAS ON.

15 PHONE HELD UP WELL THE WHOLE DAY. JOHN AND I MUST HAVE COVERED ALMOST ALL STATES AND MOST OF CANADA (INCLUDING VE1QST FOR A 100-POINT BONUS!) DURING THE ENSUING 24 HOURS. THANKS ALSO TO MIKE BACH, WB6FFC, WHO SPELLED US FOR A PERIOD AND RACKED UP SOME HEALTHY CONTACTS. THE BAND NETTED US ROUGHLY 350 CONTACTS. FOR ALL THE EFFORT OF GETTING ON 40 METERS WE WERE ABLE TO NET ONLY ABOUT 80 CONTACTS, MOST OF WHICH WERE SNAGGED IN THE LATE AFTERNOON AND AFTER THE ANTENNA WAS "ROTATED" FORTY-FIVE DEGREES TO PICK UP THE PACIFIC NORTHWEST. THE SOUTHWEST BOOMED IN ALL DAY (ONE ARIZONA STATION LOGGED US SIX TIMES!). TO ADD INSULT TO INJURY, THE BALUN SELF-DESTRUCTED. THE INTERNAL HARDWARE CAME APART RESULTING IN POOR RECEPTION AND A 3:1+ SWR. ONE OF GERRY'S SPARES PUT US BACK UP IN ABOUT HALF AN HOUR.

SNACKS, SODAS, BEER, AND KFC BY THE BUCKET KEPT US FUELED. A HEARTY THANKS TO THOSE WHO PROVIDED.

AS ALWAYS, FIELD DAY WAS TIRING AND A GOOD TIME. THE TEARDOWN TOOK EVERY LAST BIT OF THIS AUTHOR'S ENERGY. HALLELUAH, FIELD DAY COMES BUT ONCE A YEAR!! BUT I WOULDN'T MISS IT.

ONE FINAL COMMENT. IF FIELD DAY IS SO MUCH FUN, WHERE ARE ALL THE CONTESTERS?

JOHN GOMPERTS, WB7TEM

# FIELD DAY QST

DE BILL WB6IYS

THE CW SECTION OF FIELD DAY BEGAN AND ENDED THE SAME WAY-- WITH FRED CANHAM K6YT AT THE TOP OF THE TOWER.

IN BETWEEN THOSE TWO EVENTS THE CW CREW MANAGED TO RACK UP OVER 400 QSO'S ON 40, 20, AND 15 METERS. ANTENNAS WERE A TRIBANDER ON TOP OF THE AFOREMENTIONED TOWER, AND AN INVERTED VEE.

FRED AND BILL ZANER WB6IYS ALTERNATED OPERATING THROUGH MOST OF THE CONTEST, WITH JOHN BUONACORE KD6ZL HELPING OUT IN THE HOME STRETCH.

MANY THANKS TO THE "GROUND CREW" WHO SHOWED UP TO ASSIST IN RAISING AND LOWERING ALL THE HARDWARE. MORE OPERATORS ARE NEEDED TO MAKE THIS A REALLY SUCCESSFUL CLUB EVENT, SO GET YOUR FIST IN SHAPE FOR NEXT YEAR.

de WB6IYS

RTTY SERIES RESUMES SUBSEQUENTLY. -ED

# "THE HONOR ROLL"

## PAARA FIELD DAY WRAP-UP



K6MPN DUSTY; K6YT FRED; WB6IYS BILL;  
K6URO WALLY; K6JBR TOM; WB7TEM JOHN;  
K6JJU JOHN; WA6LNV GERRY; N6FEG PAUL;  
K6MTZ GEORGE; W6AQL DICK; KA6JLT ROB;  
KB6OWG JOE; W6ARA JERRY; WB6FFC MIKE;  
WA3TLS LARRY; KB6PWM MARK; N6CHI BILL;  
KD6ZL JOHN; ES YOUR EDITOR.---

# QST DE STEVE K6FS

FOLLOWING IS THE TOPICAL OUTLINE OF THE PROPOSED REWRITE OF FCC R&R PART 97; NOTE THAT THE CLOSING DATE FOR COMMENTS IS 31 AUGUST 1988; REPLY COMMENTS CLOSE 31 OCTOBER 1988. THIS PROPOSED REWRITE OF PART 97 IS IDENTIFIED AS NOTICE OF PROPOSED RULE MAKING (NPRM) 88-121. FOLLOWING ARE EXCERPTS & DIRECT QUOTES THEREFROM.

=DEFINITION OF AMATEUR SERVICE=: A RADIOPHONIC COMMUNICATION SERVICE FOR THE PURPOSE OF SELF-TRAINING, INTERCOMMUNICATION AND TECHNICAL INVESTIGATIONS CARRIED OUT BY AMATEURS, THAT IS, BY DULY AUTHORIZED PERSONS INTERESTED IN RADIOPHONIC TECHNIQUE SOLELY WITH A PERSONAL AIM AND WITHOUT PECUNIARY INTEREST.

PART 97 WILL CONSIST OF 6 SUBPARTS AND 4 APPENDICES, AS FOLLOWS:  
SUBPART A - GENERAL PROVISIONS  
SUBPART B - FUNDAMENTAL PURPOSES OF THE AMATEUR SERVICE  
SUBPART C - STATION OPERATION STANDARDS  
SUBPART D - SPECIAL OPERATIONS  
SUBPART E - TECHNICAL STANDARDS  
SUBPART F - QUALIFYING EXAMINATION SYSTEMS  
APPENDIX 1 - GEOGRAPHIC AREAS WHERE THE AMATEUR SERVICE IS REGULATED BY FCC  
APPENDIX 2 - THE VEC REGIONS

(MORE)

# QST DE STEVE K6FS

(CONTINUED FROM PRECEEDING PAGE)

APPENDIX 3 - GLOSSARY INDEX, LISTING THE LOCATIONS THROUGHOUT THE (NEW) RULES WHERE TERMS ARE DEFINED

APPENDIX 4 - SUMMARY OF THE /FREQUENCY/ SHARING REQUIREMENTS CURRENTLY LISTED IN /PRESENT/ SECTION 97.7 (g)

PROPOSED SUBPART B, BY THE WAY, WILL LIST THE TYPES OF EMISSION AUTHORIZED TO THE AMATEUR SERVICE, USING PLAIN-LANGUAGE ABBREVIATIONS OR DESCRIPTORS IN PLACE OF THE WARC-1979-GENERATED DESIGNATORS, VIZ: CW, MCW, PHONE, IMAGE, RTTY, DATA, SS (SPREAD SPECTRUM), PULSE, AND TEST. COPIES OF THE ENTIRE TEXT OF NPRM 88-121 MAY BE OBTAINED FROM ARRL HQ BY SENDING A REQUEST WITH 9" X 12" SAE + 85¢ POSTAGE. NOTE DAVE SUMNER'S EDITORIAL IN JULY =QST= ("IT SEEMS TO US....", PAGE 9), ESPECIALLY COMMENTS REGARDING PROPOSED REMOVAL OF SECTIONS 97.131(a), 97.133, AND 97.135 PERTAINING TO IMPOSITION OF SPECIFIC QUIET HOURS, AND IMPOSITION OF NEW SECTION 97.221 RESTRICTED OPERATION, WHICH STATES IN ITS ENTIRETY, "THE FCC MAY RESTRICT OPERATION AS NECESSARY TO PREVENT HARMFUL INTERFERENCE."

THIS ISSUE WILL RECEIVE HIGH ARRL BOARD PRIORITY AT ITS NEXT MEETING AS WELL.

de K6FS

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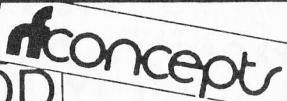
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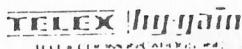
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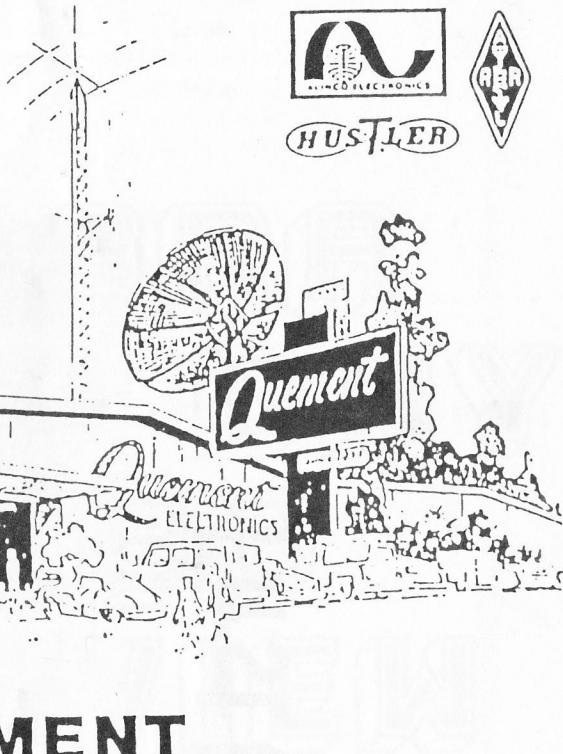


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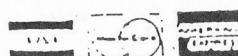
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