

# PAARA GRAPHS

APRIL 1991



**IMPORTANT!**  
**QST QST QST**  
ELECTRONICS MUSEUM  
INFORMATIONAL GUEST  
SPEAKER  
**DON KOIJANE**  
AT THE APRIL 5TH  
MEETING!  
DON'T MISS IT !

THE OFFICIAL NEWSLETTER  
OF THE PALO ALTO AMATEUR  
RADIO ASSOCIATION  
AND  
THE MENLO PARK C.D. AMATEUR RADIO CLUB

# PAARA



## BOARD OF CLUB OFFICERS

President	Gerald Tucker	WA6LNV	415-326-4908
Vice-President	Andy Korsak	VE3FZK	415-366-5228
Secretary	John Gomperts	WB7TEM	408-879-0541
Treasurer	Lily Anne Hillis	N6PGM	415-325-5484
Trustee, W6OTX	Fred Canham	K6YT	415-948-9238
Property/Badges	Fred Canham	K6YT	415-948-9238
Refresh/Co-Prop	John Buonocore	KD6ZL	415-366-1658
ARES Officer	Lily Anne Hillis	N6PGM	415-325-5484
Club Historian	.....	.....	.....

## BOARD OF DIRECTORS

Ken Manders	NB6CNI	1991-92	415-366-7814
Gerry Wagstaffe	W6NIR	1991-92	415-325-4670
Bill McElhinney	KA6LZI	1991-92	415-325-9808
John Buonocore	KD6ZL	1991-92	415-366-1658
Dusty Doster	K6MPN	1990-91	415-368-8156
Gill Lane	KJ6TF	1990-91	415-856-0154
Chuck Johnson	N6VFH	1990-91	408-251-8536

## PAARAGraphs Staff

Editor	Chuck Johnson	N6VFH	408-251-8536
Mailing	Bill McElhinney	KA6LZI	415-325-9808

## PAARA POLICIES

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

Club Net 147.45 MHz Mondays 8:30 PM

Meet at 7:30 PM on the first Friday of each month at the Menlo Park Recreation Center.

Send PAARAGraphs correspondence to:

Chuck Johnson N6VFH, EDITOR  
3309 Mt. Logan Drive  
San Jose, CA 95127

VOLUME 34

APRIL 1991

## FROM THE EDITOR'S DESK

THE COVER INDICATES THE FOCUS THAT PART OF OUR APRIL MEETING WILL HAVE ON THE ELECTRONICS MUSEUM SITUATION. THIS IS ONE OF MANY THINGS TO THINK ABOUT NOW ! IN ADDITION, WE HAVE THE W6VG PICNIC ON MAY 18, THE PAARA/FOOTHILL FLEA MARKET ON JUNE 8, AND OF COURSE FIELD DAY ON 22-23 JUNE. PLAN TO DO YOUR PART TO ATTEND AND HELP WITH THE CLUB ACTIVITIES, AND YOU WILL MAKE THEM BETTER WITH YOUR PARTICIPATION. TIL NEXT MONTH, 73 DE YOUR EDITOR.

## SPEAKER OF THE MONTH

### BILL AA6PA

OUR VHF DX HUNTING HILL-CLIMBING AA6PA, BILL RAUSCH, BACK DOWN OFF THE HILLS, HAS BEEN GOOFING AROUND WITH A WEFAX (WEATHER SATELLITE) HARDWARE/SOFTWARE PACKAGE AND HE'LL BE GIVING US A BIG "SHOW-AND-TELL".....

DINNER WITH SPEAKER, SU HONG'S, EL CAMINO OFF RAVENSWOOD MENLO PARK, AT 5:45PM ON MEETING FRIDAY APRIL 5 .

\*\*\*\*DE ANDY VE3FZK, PAARA PROGRAM CHAIRMAN.

"GET WELL ROSA"  
73 DE PAARA !

# PRESIDENT'S CORNER DE GERRY WA6LNU



(Stop the Presses - DATELINE AMERICA 3-30-91)

MIRACLE OF MIRACLES! THE EDITOR IS AS FAR BEHIND THE POWER CURVE AS YOURS TRULY. I GOT BACK FROM A WEEK IN SCOTT! AND LAST NIGHT AND NOW DISCOVER I STILL HAVE TIME TO SQUEEZE IN MY MISSIVE. 10 DAYS BEFORE I HAD RETURNED FROM TOKYO WITH MY NEW ARAKI YA-23L 2 METER COLLAPSIBLE YAGI IN MY LUGGAGE. I HAD BEEN INSPIRED TO LOOK FOR ONE BY AA6PA'S MOUNTAINTOP EXPEDITION TALK A COUPLE OF MONTHS AGO. IT'S A VERY CLEVER LITTLE UNIT AND NICELY MADE. IT ADVERTISES A GAIN OF 6 DBI AND IN TESTS WITH ANDY VE3FZK AND GILL KJ6TF AGAINST MY RUBBER DUCK IT SEEMS TO BE WORTH ABOUT 3 S-UNITS. TOKYO YIELDED ANOTHER LITTLE TOY, A COMET SWR/POWER METER FOR 144 AND 440 MHZ. THIS IS A LITTLE HOLD-IN-YOUR-HAND GADGET THAT GAVE ME A PERFECT MATCH INTO A 50 OHM LOAD AND AN ADJUSTED VSWR OF ABOUT 1.3 ON MY NEW ANTENNA. IT HAS A CORRECTION FACTOR PLOT ON THE BACK, WHICH PROVIDES A READING ADJUSTMENT DEPENDING ON THE 50 OR 500 WATT SCALE USED. UNFORTUNATELY MY 1 WATT HANDHELD DIDN'T QUITE MAKE IT TO THE STARTING POINT ON THE SCALE AT 5 WATTS. I'M ANXIOUS TO COMPARE A 440 MHZ APPLICATION AGAINST A PRICEY BIRD, BUT WITH MY 4AT I GAVE A PERFECT MATCH INTO A DUMMY LOAD AND .9 WATTS OUTPUT. INCIDENTALLY, SINCE WE ARE LEAPING INTO APRIL, THE MAY PICNIC AT W6VG'S QTH CAN'T BE FAR AHEAD. ONE PURPOSE OF THIS GET TOGETHER IS TO SHOW OFF OUR NEW RADIO TOYS SO KEEP THIS IN MIND. PERHAM FOUNDATION'S DON KOIJANE WILL MAKE AN IMPASSIONED PLEA AT THE FRIDAY MEETING FOR ARTIFACT PACKERS AND CATALOGERS. ANYONE WANTING TO ASSIST IN THE MUSEUM'S NEW ERA POST FOOTHILL CAN GET IN TOUCH WITH DON AT THE MUSEUM AT (415) 949-7383.

-DE WA6LNU-

# **WELCOME NEW MEMBERS!**



**WELCOME NEW MEMBERS  
QST DE PAARA VIA N6PGM**

On behalf of the entire club  
I'd like to welcome the following  
New Members. -De Billy N6PGM

**BILL GRINGAS KB6YHL**

**STEVE WOOD K16TZ**

**FELIX GONTE N6POH**

# **WELCOME NEW MEMBERS!**

# UK - US BUZZWORD LIST DE GERRY WA6LNV

The lists are given below as an aid to the American reader of the Amateur Radio Circuits Book. (UK usage on the left, US on the right.) Both the semiconductors and the vacuum tubes are plug-in equivalents.

## VACUUM TUBES

- EB 91 = 6AL5  
ECC81 = 12AT7  
ECC82 = 12AU7  
ECC83 = 12AX7  
ECC85 = 6AQ8  
ECC88 = 6DJ8  
ECH81 = 6AJ8  
ECLR2 = 6BM8  
EF80 = 6BX6  
EF85 = 6BY7  
EF86 = 6267  
EF89 = 6DA6  
EF91 = 6AM6  
EF94 = 6AU6  
EF183 = 6EH7

## VOCABULARY

- Break = Trap  
Concentric trimmer = Piston capacitor  
Durofix = Q-dope  
Dust core = Ferrite core or tuning slug  
Earth = Ground  
Fault finding = Trouble shooting  
Former = Coil form  
Frequency changer = Mixer  
FSD = Full-scale deflection  
High-slope = Remote-cut-off  
HT = High tension or B+  
LT = Low tension or filament  
Perspex = Similar to Plexiglass  
Rail = Line (e.g., HV rail = HV line)  
Screen = Shield

## SEMICONDUCTORS

- AF139 = HEP3, TR-18  
OC28 = 2N1666, HEP230  
OC35 = 2N1668, HEP230  
OC42 = HEP3  
OC44 = HEP254, SK3005, TR-Q6  
OC45 = HEP254, SK3005, TR-Q6  
OC70 = HEP3, SK3003, TR-Q5  
OC71 = HEP3, SK3004, TR-Q5  
OC72 = HEP254, SK3003, TR-105  
OC76 = 2N2706, HEP254  
OC81 = HEP254  
OC84 = HEP3  
OC170 = 2N3783, 2N3784, HEP3  
OC171 = HEP3, SK3006

EL84 = 6B6  
EL91 = 6AM5  
EM81 = 6DA5  
EV81 = 6R3  
EZ70 = 6X4  
KT-66 = 6L6GC  
KT-88 = 655Q  
R12 = 6X2  
Z77 = 5AM5

LUDIA FORMS:

COMMUNICATIONS TECHNOLOGY, INC.  
GREENVILLE, N.H. 03048.]

Stabilised = Regulated  
Valve = Vacuum tube  
VC = Variable capacitor  
VR = Variable resistor or potentiometer  
Wafer switch = Rotary switch



## PAARA VE TEAM QST DE JT WA6BXT

The PAARA sponsored VE (volunteer examiner) team administered 61 elements novice through extra, to 33 people at the March session.

The PAARA members who participated on the March team were Dudley, WB6WAU (team leader); Gil, KJ6"!F; Joe, KB6OWG; Ron, W6VG; Joan, WA6BXT; Bill, WB6UVQ; and Mike, AA6NH.

If you have an advanced or extra class license and would like to join the team, you would be most welcome. This is an enjoyable way to give something back to the hobby. To become a part of the team simply contact Dudley at (408) 245-4801, or leave him a message on packet @ KA6JLT BBS.

Our next VE session will be on Sat., April 20, at the Ampex cafeteria in Redwood City. Testing begins at 11 am.

# RADIOS THAT GLOW-IN-THE-DARK TNX ES 73 TO BARD KD6QZ !

One of our members,  
Bard Battelle KD6QZ,  
donated a Heath HW101  
power supply and microphone  
together with some old WWII  
radio gear. These treasures  
were taken to the March Flea  
Market and the Heath gear  
was sold for \$100.00 and the  
rest was given away. We need  
more such examples as Bard,  
and if you have something  
you would like to donate, pse  
contact Gerry WA6LNV to  
arrange things. 73 de PAARA

## ROSTER APPEARING IN NEXT MONTH'S ISSUE MEMBERS ONLY

# READING LIST DE N6VFH

## In the chips---

There is often a need for a ready reference to determine the type of IC that is needed for a given application. Those who are applications oriented/tinkerers often need a source of data on a given device. The road is often blocked when the appropriate "specs" aren't available. This problem has been remedied in a great way by the INTERNATIONAL ENCYCLOPEDIA OF INTEGRATED CIRCUITS by Stan Gibilisco (TAB #3100). This mammoth tome is a great boon to anyone desiring a ready reference to the wide world of chips. This volume is an excellent compilation of the kind of data that is so necessary but oftentimes elusive.

## GUARANTEED DOS---

An excellent and truly helpful introduction to DOS is available in LEARN DOS - GUARANTEED ! by Richard P. Cadway (TAB #3331). This is the one that comes with a "money back guarantee" and your editor was unable to collect as indeed we did learn some DOS.

## COMPUTER TECHNOLOGY IN DEPTH---

THE COMPUTER TECHNICIAN'S HANDBOOK by Art Margolis (TAB #3279) affords an inside look into the latest generation computers, providing the serious technical person with ample data on the fascinating new technology of computers.

## ILLUSTRATED COMPUTER DICTIONARY---

THE ILLUSTRATED DICTIONARY OF MICROCOMPUTERS by Michael F. Hordeski (TAB #3368), affords word and picture information on the latest generation of PC terminology for ready reference, and is a welcome addition to the literature of computers which has a tendency to go stale in a flash.

XXXThese titles are available through your local computer-electronics bookseller or direct from TAB Books Inc., Blue Ridge Summit, PA 17294-0850. XXX -ED.

WORLDWIDE DISTRIBUTION

# HAM RADIO OUTLET

LARGEST HAM OUTLET IN THE WORLD

NOW

For a HRO 72 Page  
Communication Equipment Catalog  
Send \$1.00 to any HRO Store

## 9 STORE BUYING POWER



KENWOOD

concept

ICOM

GEOCHRON  
GLOBAL  
TIME  
INDICATOR

BULLETIN  
ege has  
joined the  
HAM RADIO OUTLET  
NATIONWIDE TEAM



THIS GIVES YOU EVEN  
BETTER RESPONSE WITH  
LOW-LOW OUTLET PRICES  
& RAPID DELIVERIES  
COAST TO COAST.

YAESU

ALL MAJOR BRAND  
ACCESSORIES

...America's Best!  
TEN-TEC

CUSHCRAFT  
CORPORATION

Advanced  
Electronic  
Applications



All Major Brands in Stock Now!

Bob Ferraro W6RJ  
President/Owner  
Jim Hallerty N8HJ  
VP National  
Sales Manager

BURLINGAME, CA 94010  
999 Lincoln Ave. (415) 342-5757

George Muir W6RJW

5 miles south on 101 from SFO

OAKLAND, CA 94606  
2210 Livingston St. (415) 534-5757

Bob Muir WA7ZB

1/2 mile off I-80 East

ANAHEIM, CA

(714) 761-3033 (213) 860-2040

ATLANTA, GA

(404) 261-0000

PHOENIX, AZ

(602) 242-3515

SALEM, NH

(603) 444-0047

SAN DIEGO, CA

(619) 561-4900

WOODBRIDGE, VA

(703) 441-1291

VAN NUYS, CA

(818) 988-2217

STORE HOURS 10 AM - 5 PM  
CLOSED SUNDAYS

TRUE  
MATERIAL  
More items over \$100  
UPS Service

CALL TOLL FREE

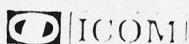
IN CALIFORNIA CALL STORE NEAREST YOU

1-800-854-6046 1-800-444-7927 1-800-444-4799 1-800-444-0047



Toll free including Hawaii. Phone hrs 7:00 am to 6:30 pm Pacific Time. California, Arizona and Georgia customers call or visit nearest store. California, Arizona, Georgia and Virginia residents please add sales tax. Prices, specifications, descriptions subject to change without notice.

ELECTRONICS FOR HOME OR WORK . . .  
YOU NAME IT . . . WE'VE GOT IT!  
**QUEMENT IS THE PLACE!**



Larsen Antennas  
The Radio Antenna Company

**TELEX** *hi gain*  
TELEVISION & RADIO

*TELECO*  
*The radio.*



**HUSTLER**



**QUEMENT**  
**ELECTRONICS**



1000 SO. BASCOM, SAN JOSE

998-5900 • Open Mon.-Sat. 9-6



• ANTENNAS • HAM GEAR • CITIZEN'S BAND • COMMERCIAL AND INDUSTRIAL  
PARTS SUPPLY • SERVICE DEPARTMENT • COMPUTERS AND SOFTWARE  
• COMPLETE STEREO HI-FI DEPARTMENT

PAARA  
P.O. BOX 911  
MENLO PARK  
CA 94026

## MUSEUM-GRAHAM

### ELECTRONICS MUSEUM

WANTS YOU !

VOLUNTEERS WILL BE NEEDED TO ASSIST  
IN THE NEW ERA OF THE ELECTRONICS MUSEUM.

DON KOLANE

OF THE PERHAM FOUNDATION WILL BE AT  
THE APRIL 5TH MEETING  
TO GIVE THE LATEST NEWS AND PLANS  
FOR THE FUTURE.

AGAIN THURS.

FRIDAY APRIL 5TH !

BE THERE !

-VIA WAEI NV-

First Glass Mail

VE3FZK 91

Andy Korsak  
504 Lakemead Way  
Redwood City CA 94062

