

U.S. POSTAGE PAID
PERMIT #320
MENLO PARK, CA. 94025

To:

Andy Korsak VE3FZK/W6
504 Lakemead Way
Redwood City Ca. 94062

RETURN REQUESTED:
PARA P.O. BOX 911
MENLO PARK, CAL.
94025



AFFILIATED CLUB

Handwritten signature
PALO ALTO
ARRC

AMATEUR RADIO
STATION W60TX

VOL. XVIII

1974

PAARA GRAPHS

PALO ALTO AMATEUR RADIO ASSOCIATION, INC.

MENLO PARK CIVIL DEFENSE RADIO CLUB, K6YQT

June 74

PAARAGRAPHS--the official organ of the Palo Alto Amateur
Radio Assoc., and the Menlo Park CD Radio Club.

Volume 18 ----- No. 6 ----- June 1974 -----

PAARA OFFICERS

Pres. Fred Canham K6YT
V.Pres. Mike Eccles G3PPE/W6
Sect'y Hal Moore W6DEF
Treas. Paul Churchill W6QBY
Trustee W6CTX Vance Wardlow
W6FLE

Board Of Directors

Chairman Fred Canham K6YT
Sect'y Hal Moore W6DEF
Members: Paul Thekan (NC)
Andy Korsak VE3FZK/W6
Terry Conboy WB6GRZ
Ed Fairbanks W6AIN
Tom Ohlsson WB6KQZ

MENLO PARK CLUB CD OFFICERS

Pres. Fred Canham K6YT
V.Pres. Bob Baum W6LFH
Sect'y/Treas. Hal Moore W6DEF

Property Custodian: Ed Fairbanks W6AIN

Assistant: Steve Montoya WN6DQU

Trustee K6YQT and Menlo Park Radio Officers: Bob Allen W6WQD

*****-----*****-----*****-----*****

FOREGIES: Membership includes subscription to PAARAGRAPHS
Annual dues are a mere \$4.00
Subscription to PAARAGRAPHS is a very reasonable
one buck per annum.

You don't send us the loot, we don't send you
our illustrious paper!

Attempt to make your dues on a calendar year
basis, though we take money ANYTIME!

SEND all negotiables to PAARA, Box 911, Menlo Park, Ca.

94025

*****-----*****-----*****-----*****

PAARAGRAPHS STAFF

Editor-in-Chief: Richard Ferranti WA6NCX

Cover Design: B. Rapp

Mailing and label-making: Ed Fairbanks and his hard workers
Chief printing engineer and fixit man: Guido J. Ferranti
Main Mobileer and time waster: Dave Waters

(A genuine 100% certified Motley Crew!!)

*****-----*****-----*****-----*****

MAKE IT in the Bigtime! Send your editor something and
save him from the perils of Boredom! :Rick Ferranti WA6NCX
1234 Santa Cruz Ave. Menlo Park, Ca 94025. 415-324-1539

PAARA PICKIN'S ** ANNOUNCEMENTS, NEWS, GENUINE GONK ***

OUR NEXT MEETING is on Friday, June 7, 1974. It will commence at 7:30PM sharp, give or take a few minutes. Place: The Menlo Park Recreation Center, near the M.P. library and the Police station. PROGRAM: ED HILTON, W6VKP, of Hewlett Packard, will speak on Integrated Circuits and how they are made. This is about integrated circuit fabrication in general, with some notes on ham-type IC's and lotsa interesting information. He spoke recently at the San Mateo Club and was very well received. Should be a goodie ** Be there!

Coffee -- donuts -- cookies -- eyeball QSO's -- rafffle

THE Infamous BOARD OF DIRECTORS will meet on Wednesday, June 12, 1974, in the romanesque trailer located in more or less one place on the parking lot of SRI, 333 Ravenswood drive in Menlo Park. Time: 7:30 PM. All members invited to come and give their say about pertinent matters discussed. Since School will be out by then, the Editor might even be there! (wow)

-----*****-----

TIRED in the evening after a rough Monday at work? Want to relieve tensions, restore serenity to the household, and even cure insomnia?? Then turn on the old clunker 2-meter AM rig, tune up on 145.24 MHz, and get ready for the PAARA net at 8:15PM!!! Many have reported miraculous cures since discovering our net -- DON'T MISS OUT on a great way to avoid costly medical expenses -- join the PAARA net and see how life will change for you!

-----**-----

HEY YOUSE GUYS --- WE HAVE A GREAT FIELD DAY PLANNED!!!!
Field Day is on June 22-23 and we have the same site we had last year -- the Hill behind Valpariso Drive off La Loma Drive in Menlo Park. Come out and operate, log, observe, put up antennas, bring food, take pictures, make encouraging remarks, sabatouge other clubs rigs, etc.

MORE PAARA PICKIN'S ** ANNOUNCEMENTS, ADS, OTHER GOOD STUFF

GOT SOME junque to sell, swap, trade -- or do you need a piece of equipment for some unknown reason?? Then, if you have sent us enough loot (i.e.--are you a paid-up member or subscriber??), you can send me an ad for whatever you want (must be something to do with this crazy hobby of ours) and I'll print it in the earliest possible issue....by the way, while you're at it, include a note about your latest projects or some comments on ham radio in general and I might even print that too.

*****-----*****

WANTED: Plate Transformer 110 and 220 volt primary. Secondary to obtain 3000 to 3500 volts DC, either for bridge or full-wave rectification, at one-half to one ampere. Call or write Irv Wolfe, W6HHN, 3467 Rambow Drive, Palo Alto, Ca. 494-1719

WANTED: Rohn No. 25 tower sections, need at least two. Also need Rohn Accessories, torque bar, guying brackets, wire, clips, insulators, etc. K6AO John Fogg, P.O. Box 131, Pine Grove, California 95665. (209) 296-7417

-----*****-----

HAVE YOU changed your license? Like novice up to general or advanced? Or even decided to pull a fast one and get a fancy two-letter call? Please let ye editor know (address on pg.2) so he can boast about it and prove that determination, grit, and code speed still prevail in this land of ours.

Hal W6DEF is out of the hospital and on his fast final mending process (he hopes). He's well on his way to enjoy his retirement, which started on May 1st. Vance W6FLE is slow in recovering -- but doing fine with care from the doc and the XYL (mostly the latter!). Finally, Good ol' Fred K6EER got chewed by a mean old dog but is healing fine (we mean Fred!!!).

REMEMBER THIS: Our July meeting will be Friday the 12th and not the regular first Friday of the month which would have been the 5th and is too darn close to the fourth of July, which, while being a genuine day of the year, is also a great holiday. What was that you said about run-on sentences???

-----SOME MEMBER NEWS-----

Good old Hal W6DEF got himself a new SB-102 SSB xcvr and is putting it together for a trip to Grass Valley this summer. Nice and light compared to his Hallicrafter gear. (ht-32 and SX-101A)!

Speaking of new gear, ye editor is now at least up to 1964 instead of 1949, cuz he got himself a Poly-Comm 2, a two-meter rig, and got rid of the venerable old Communicator II. Nice piece of gear, that rig-- does anyone out there have a manual for it?????

We have some new members too, who are:

Jerry Wagstaffe, W6NIR (an old friend of ye editor's) Lee and Joyce Smith, an OM-XYL team, Lee's call being WB6LYD and Joyce's is WB6NAT. Redwood city. W.D. Tiffany (Tiff), of Menlo Park, whose call is W6GNX. Tiff sent me a great letter, some of which is reproduced below:

"I was first licensed as W6GNX on 2 June 1932. Two months later I was given W6IDG (portable), but that routine was later discontinued. Since that time, I was J3GNX in Japan from August 1946 thru February 1949 (last 2 months as JA3AA), then, in Korea from 1961-62 as HL1KT (on 20m in both cases).

Now, after holding out for a long time, I'm on 7mHz with SSB and a KW and really enjoying it."

Great to have you in the club, Tiff -- and the same goes for Jerry, Lee and Joyce!

-----*****-----

At our May meeting Milt, W6MFN and Jerry, W6NIR, got to blabbing and discovered they were in the same class at the University of Santa Clara 36 years ago!

Also, ye editor was misinformed about the spaeker at that meeting so we had a fine program anyway. I Can't err!

REPORT OF THE BOARD OF DIRECTORS MEETING AT THE W6OTX
 TRAILER ON MAY 15, 1974.

Present were Fred Canham K6YT, Ed Fairbanks W6AIN, Mike Eccles, G3PPE/W6, Bob Baum, W6BFH, Andy Korsak, VE3FZK/W6, and Hal Moore W6DEF.

Meeting called to order at 1945 local time. Report by the secretary on correspondence -- a letter and form was received from the Menlo Park Recreation Center to be filled out by us. This is with respect to the facility application for the Summer Quarter. The president of the board decided that the July meeting was to be held on Friday July 12 rather than July 5th because of the July 4th weekend and holiday. A letter to the Recreation department will be written.

We received a telephone call from the L.B. Nelson company regarding our letters requesting the use of the Hill-top site off of La Loma Drive for our Field Day operations. They wish to cooperate with us but requested as to our insurance coverage during that time in case of an accident. The matter will be taken care of and a telephone call will be made requesting a letter be sent giving us permission to use the site.

Report made by Mike Eccles of his two-meter converter which works fine (hear that Andy??). Fred reported that he obtained the Onan 5KW water cooled power generator for the club. Works fine but needs overhauling. Fred is accomplishing that task and says it will be ready by Field Day. We need a two-wheeled trailer to lug the monster around in.

The Board decided that we will use two SSB stations on FD, one to be used on 20 and 80 meters and the other on 15 and 40 meters. Also, we will have one CW station where it is best suited and our illimitable novice station. Thence ensued much discussion of various and assundry rules (ARRL, FCC, and CCRC). We need operators and loggers. An attempt will be made to start promptly at 10:00 AM (1700 Z) and to work all four station 24 hours straight.

REPORT OF THE BOARD OF DIRECTORS CONTINUED

It was suggested by Ed Fairbanks that a letter of thanks be written to the SRI people for the use of the space in their parking lot so we can park our trailer there. Also, they let us (even Andy) put our antennas all over the roof and trees. This letter will also include a list of activities we have participated in. A copy will go to Mr. Brad Kerwin of the Menlo Park Civic Center. He is the assistant City Manager.

Meeting closed at 2145 PEST. (Pacific Energy Saving Time!).

-----***-----

The annual Fourth of July parade will occur in Redwood City and we need 2-meter operators to aid and abet the Redwood City Disaster Communications Service. Dick Collins is the Trustee for W6WWJ and the Radio Officer for the City of Redwood City. His net meets at 7:30 PM local time on Monday nites on 145.49 MHz and he welcomes visitors, especially those who want to participate in the parade fun.

*****_*****_*****

At the cerebral Palsey Walkathon May 4th PAARA had 6 stations out of the 11 that took part. We had G3PPE/W6, WA6LIJ, K6YT, W6AIN, and WB6BJB. It was an interesting experience. Walt Read W6ASH was in charge and on the Specs net he thanked all of them for their help. Below is his communication to me:

THE 20th YEAR FOR SPECS ** 7:45 Monday nites local 146.000MHz
On Saturday, May 4, 1974, the SPECS net (Southern Peninsula Emergency Communications System) Provided outsidng communication for a fund-raising walk-a-thon sponsored by the Palo Alto Branch of the U.P.C. Foundation.

Operation Commenced at 7 A.M. and ended at 5PM. Amateur Radio units were stationed at five checkpoints along the 20 mile route as well as in the "pooput" truck and the "rover" which carried U.C.P. executives from point to point.

Eleven Amateurs, seven of them long-time members of the SPECS
con't next page --

WALKATHON REPORT CON'T....

Manned the units. The operation can be classed as a tri-club effort with participation by FARS, EMARC, and PAARA clubs being about the same.

Ann Weaver, the U.C.P. Coordinator, was very complimentary about the operation.

Everything went according to plan with no problem from Murphy. It was a worthwhile test of our Civil Defense rigs and Personnel. It is from these exercises that your E.C. learns whom he can depend on when the real thing comes along. It is hoped that future walks will be shorter so that an entire Saturday is not shot. Many thanks for a job well done. 73,

Walt Read W6ASH

Participants	ARRL Emergency coordinator (E.C.)
Freq.=146,000Hz	Palo Alto, Mt. View, Los Altos
Checkpoint 5	NCS WB6QCI -- Al
1	WA6MLY - Dix, WA6LIJ - Jerry
2	K6YT - Fred, W6AIN - Ed
3	K6JIN - Jim, G3PPE/W6 - Mike
4	WB6EJB - Lee

"Poopout truck" -- W6PEQ Tom , Rover -- W6ASH, Walt

*****-----*****

This great story (a true one) was in the MDARC Carrier, a very fine paper, in April 1974.

Submitted by Art Mayoff, VE2AQV/W6

FCC CLOSES DOWN AN UNLICENSED STATION WITH THE HELP OF SOME MOUNT DIABLO AMATEUR RADIO CLUB MEMBERS *****

The following is true. It is not something that happened a while ago. It happened just last month. Referred to as "Operation Poppa" ("p"for pirate) and elite group of radio club members were able to track down a pirate radio station. The FCC completed the job by shutting it down. The sequence of events is as follows:
In late February, Jim Shaw WA6PXU informed me that his new R-4C receiver was picking up a station on 3690 kHz, playing music. I verified this by also hearing it. The signal was about 6 to 10 kHz wide, pinning the

FCC shutdown con't

meter in Concord, coming in 30 dB over S9 in Pleasant Hill, S5 in Walnut Creek, and S2 in Danville. By the first week of March we had determined a pattern of program times of this station and observed the following: It usually came on around 6:00 PM weekdays and around noon on Weekends. It was apparently crystal controlled on 3690kHz. It re-broadcast music, news, and commercials of many TV and radio stations of the Bay Area. It was not uncommon to hear KFRC, KCBS, and KGO on 3690 kHz. The pirate station never identified, and never had any of its own commentary.

On Sunday March 10th, a transmitter hunt was initiated by Carl K50WC/6 and Jim WA6PXU at 3:00 PM. At 3:15 PM Peter WB6YBE and Art VE2AQV/W6 joined the hunt. With the help of some DF equipment (direction - finding) supplied by Ted W6PFW, the pirate station was located at 3:45 PM by two amateurs, and then confirmed ten minutes later by two others in the group. With the use of a filed-strength meter it was determined that the pirate station was located about 200 feet east of the intersection of Roskelly Drive and Esperanza Drive on the south side of Ros-kelly, in the bountiful city of Concord.

During the period of March 1 to March 10 the FCC monitoring station in Livermore was contacted several times WHILE THE STATION WAS TRANSMITTING. It was copied and logged by them. On different occasions MDARC members (11 in all) monitored and logged the pirate. Several times Ney Landry, the FCC District Field Engineer for this region, was consulted and "updated" by club members. His interest and cooperation was outstanding. His concern for the "sanctity" of the Ham Bands is very commendable. And as for all of us CW operators, we express sincere thanks to him and his staff for the quick action which soon followed.

On March at 6PM the pirate station came on as expected. At 6:12 PM the station went off the air. At 6:13 it came back on again for the last time with this statement:

FCC SHUTDOWN CON'T

"THIS IS AN FCC BROADCAST. THIS STATION IS BEING CLOSED DOWN BY THE AUTHORITY OF THE FEDERAL COMMUNICATIONS COMMISSION IN VIOLATION OF SECTION (couldn't get the numbers down fast enough) AND SECTION (ditto)."

A final note: The operator of this station had a First Class commercial radio ticket and we can only assume that he was practicing for the "big-time". He should have known better! A revoked First-Class ticket can mean the loss of thousands of dollars of potential income.

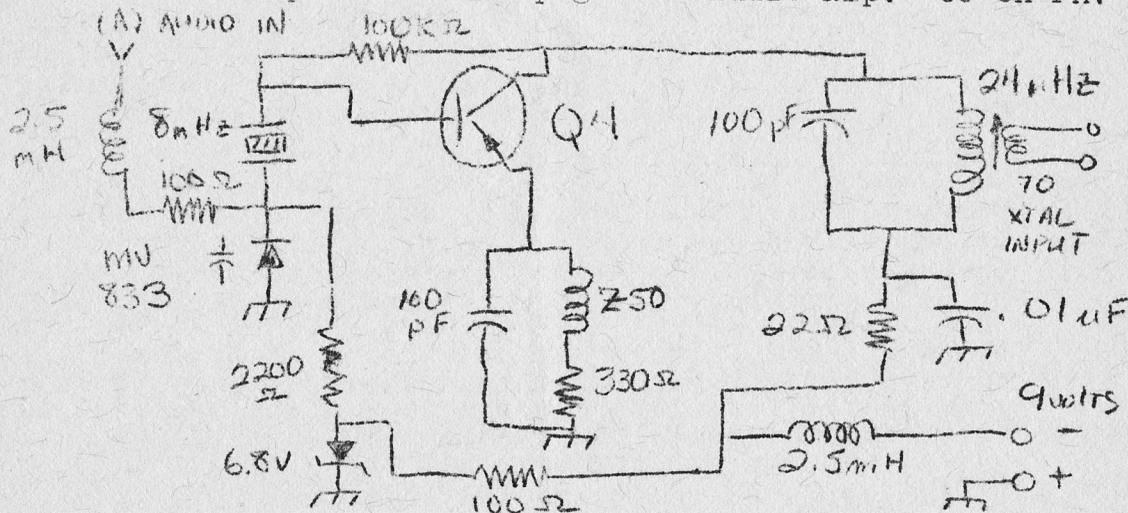
At the QTH of WA6IBB, a chilled bottle of champagne welcomed the successful conclusion of "operation Poppa" The toast: "TODAY 3690, TOMORROW 7255!"

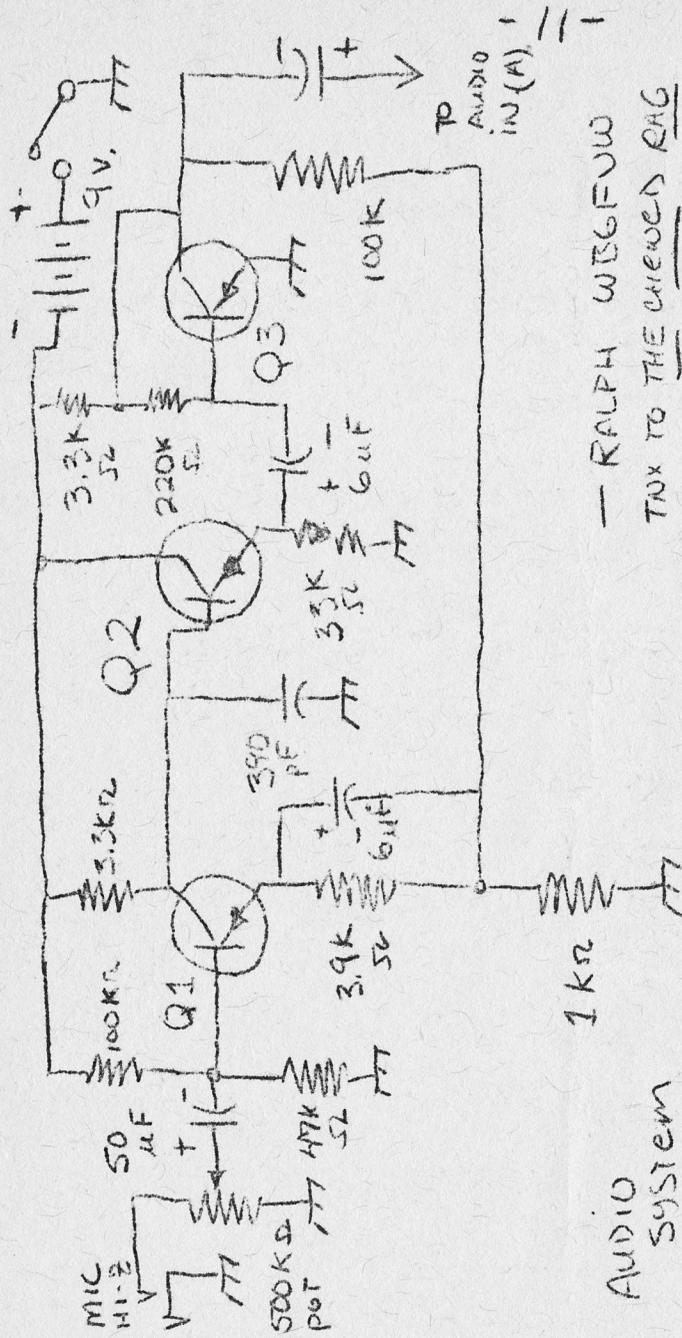
*****-----*****

This is what you've been waiting for

For your two meter AM rig --- this great schematic is the brainchild of Ralph WB6FVW and appeared in the April issue of the Hayward Radio Club's CHEWED RAG.

This is the RF part -- next page for audio amp. CU on FM!





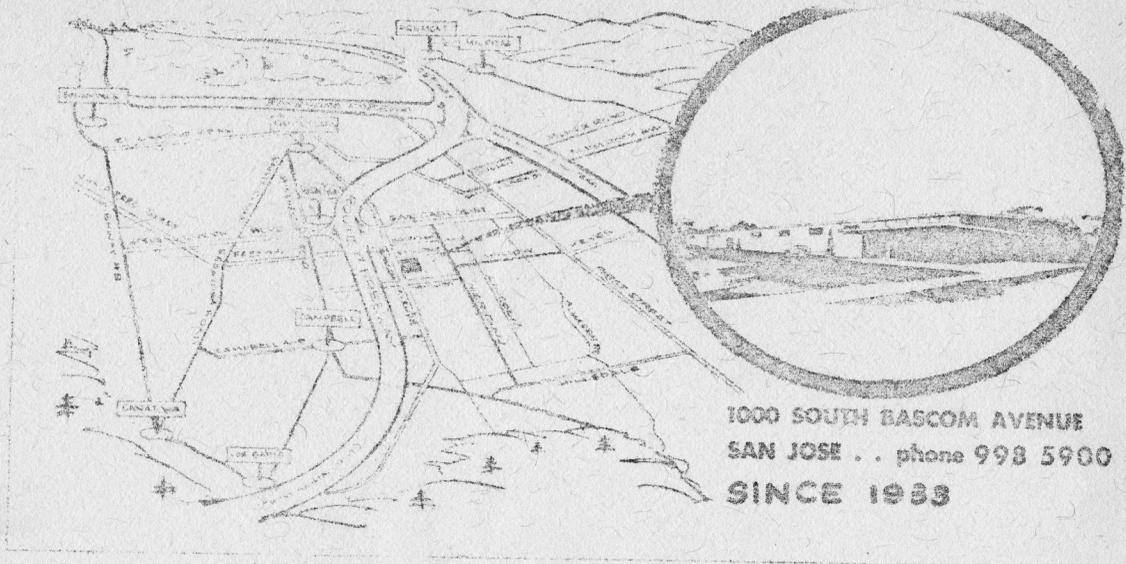
AUDIO SYSTEM
TO FM YOUR
AM RIG.

— RALPH WEBBFW
TAX TO THE CHEVED RAG

Q1, 2, 3 2N404 OR EQUIV.
Q4 - HEP 52

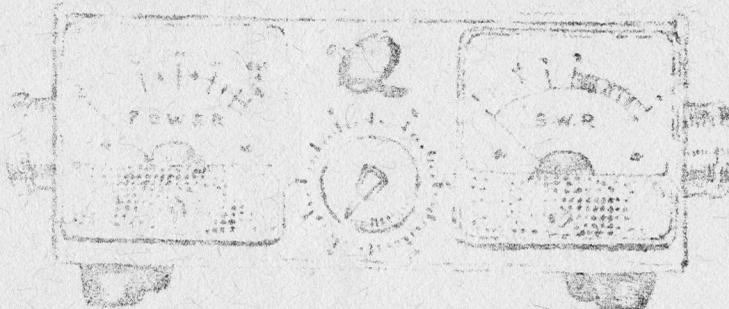
— THE MORE AUDIO, THE GREATER THE DEVIATION.

— MOST AM RIG'S RECEIVERS WORK QUITE WELL
ON SLOPE - DETECTION FM. (EXCEPT THE
LUNCHBOX WHICH DOESN'T WORK WELL ON ANYTHING!!)
GOOD LUCK!



1000 SOUTH BASCOM AVENUE
 SAN JOSE . . phone 998 5900
 SINCE 1933

SWB-2



ONLY
\$19.95

SWR BRIDGE READS FORWARD & REFLECTED POWER

SIMULTANEOUSLY

'EASY READ' METERS

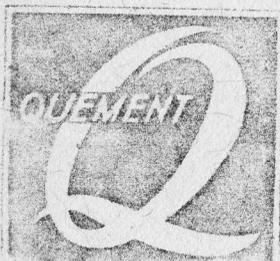
SIZE 5X2X2

DUAL 100-MICROAMP METER MOVEMENTS

LOW INSERTION LOSS

MAY BE LEFT IN LINE UP TO 2,000 WATTS!

All roads lead to Queument Electronics



40,000 SQ. FT. OF ELECTRONIC PARTS,
 COMPONENTS, TUBES AND ACCESSORIES.

- ANTENNAS - NEW SERVICE DEPT.
- HAM GEAR - ACOUSTIC SOUND DEMONSTRATION ROOM
- CITIZEN'S BAND - COMPLETE TUNING DEPT.
- COMMERCIAL AND INDUSTRIAL PARTS SUPPLY
- BANKAMERICARD - FIRST NATIONAL - MASTERCARD

3 TO 150 MHZ
 ADD \$1.25 FOR POSTAGE

1000 SO. BASCOM AVENUE, SAN JOSE

998-5900

HOURS: 9 A.M. - 6 P.M. Mon. thru Sat.