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AFFILIATED CLUB



CL. PALO ALTO

AMATEUR RADIO  
STATION W69TX

VOL. XVIII

1974

# PAARA GRAPHS

PALO ALTO AMATEUR RADIO ASSOCIATION, INC.

MENLO PARK CIVIL DEFENSE RADIO CLUB, K6YQT

Nov. 74

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

Volume 18 ----- No. 11 ----- November 1974

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POLICIES: Membership includes subscription to PAARAGRAPHS  
 Annual dues are the mere pittance of \$4.00.  
 Send only One Buck to get PAARAGRAPHS  
 Try to make payments to PAARA on a calendar year  
 Basis, however we accept your \$\$\$\$ anytime.

Send money, cash, cheques, stamps, paper clips, etc., to  
 PAARA P.O. BOX 911 MENLO PARK CA 94025

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\* YE OLDE STAFFE OF PAARAGRAPHS \*

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\*\*\*\*\*-----\*\*\*\*\*

YE NOBLE EDITOR is terribly lonely, what with this draughty  
 olde castle and dreary typewriter. SO SEND ME some-  
 thing -- our motto -- "If it's written, Print it!".  
 All letters, comments, and/or etc. to Rick Ferranti  
 WA6NCX 1234 Santa Cruz Ave. Menlo Park Ca 94025

415-324-1539

PAARA PICKIN'S \*\*\*\* ANNOUNCEMENTS AND NEWS

OUR NEXT MEETING: is Friday, November 1, 1974 in the Menlo Park Recreation Center near the Public Library and the Police Dept. (We think of everything!) Time is 7:30 PM local; latecomers Frowned Upon.

THE PROGRAM is a departure from our regular program which is usually aimed at Hams only. Instead of encouraging our members alone to attend this meeting, we are inviting them, their wives, children (teenagers only please), sweet-hearts, friends--and whoever--to hear a most unusual non-technical talk, titled, "ANOTHER SIDE OF THE MOON". It will be illustrated by slides and motion pictures, and given by Dr.S.N.("Sy") Stein (WA6ROM), Guest Scientist at the NASA Ames Research Center, from where he recently retired as Medical Director. He is president of the Perham Foundation, which built and donated the Electronics Museum to Foothill College, and now advises the College on the operation of the museum.

Those of you who have heard any of Sy's talks will agree that his presentations intrigue both "Electronikers" and "Non-Electronikers" alike. He promises to show us a view of the moon that very view people in the world have seen!

So get there on time Friday night to assure yourself and those you bring a seat!

Coffee \*\*\*\* Tea \*\*\*\* Cookies \*\*\*\* Goodies \*\*\*\* Gonk  
The Board of Directors (and any other interested lads or lassies for that matter) will meet on their same old Wednesday following the club meeting, on Wednesday, November 6, 1974 in the Pre-historic Trailer located in the SRI parking lot off Ravenswood Ave in 100-year-old Menlo Park. We have painted big fat letters: "W6OTX" on the side so you won't miss it. Come decide the Financial Fate of PAARA.

\*\*\*\*\*-----\*\*\*\*\*-----\*\*\*\*\*

HEY YOU!!! Howcome you ain't been on the PAARA NET? Any old clunker 2 meter AM rig allowed (keep your FM junk to yourself) including 2'ers, even Andy's 1/2'er! Yes, we specialize in two glorious achievements:  
 (1) 100% Ragchew (2) No indigestion. Come join us on Mondays, 145.224 mHz at around 8:15 PM local!!

MORE MISC. PAARA PICKIN'S

If you missed the 1974 Annual Auction we had last month, Boy did you ever blow it! This was a great event, both socially and financially, and there are dozens of people to thank for making it such a boffo success. Yes. So PAARA thanks everyone who did such a fine job of setting up, running, and cleaning up last Oct. 4. Don't miss it next year!

\*\*\*\*\_---\_---\*\*\*\*

PAARA also wishes to thank Chuck Towns, K6LFH for his great presentation of the Sister Cities Program. The slides and talk were excellent. Thanks, Chuck.

\*\*\*\*\_-----\*\*\*\*\*

By the way, Chuck is scheduled to give his presentation at the 11th Annual Greater Bay Area Hamfest and ARRL Pacific Division Convention which is to be held Oct. 26-27 at the Royal Coach Motor Hotel in San Mateo. Ye noble editor will contrive to be there. Hope to see lotsa PAARA People there too.

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NOTICE TO BLIND HAMS; ANYONE knowing a blind ham who might be interested in receiving tape cassettes of The Worldradio News, WCARS Sentinel, WPS 3952 or MTN Blazer contact Walt Keleher, WA6FAQ, 136 Bidwell Way, Vallejo, California, 94590. Phone 707-642-0401. These cassettes will be supplied on a returnable basis at absolutely NO COST to the blind ham. Anyone that would like to help, WA6FAQ could use a donation of a 60 or 90 min. cassette or two.

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QUOTES OF THE MONTH: Oct. QST pg. 10 -- "So long as we depend on the publically-owned frequencies for amateur radio's very existence, we had better make sure the public knows who we are and what we do." --WA4BDW

Another quote: "I've just been reading some of my early papers and, you know, when I'd finished, I said to myself, 'Rutherford, my boy, you used to be a damned clever fellow.'" --Lord Rutherford to Sir H. Tizard  
Astute readers will no doubt recognize little connection between the two quotes. These readers are 100% right!

You are gazing upon page 5 of November 74 PAARAGRAPHS,  
MORE (YES, VIRGINIA, STILL MORE) PAARA GONK!!!

Ye noble editor stands abashed, upset, or otherwise mad about the fact that he received NO (repeat NO) ads for the usual pieces of juicy junque. Be advised that the ads are 100% FREE to people in PAARA'S priveleged proximity! This means NO MONEY. Yes. So if you got something to sell or want something, send me a note and it'll be here for hundreds to behold.

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OSCAR 7 Should be launched on October 24 if all goes as expected. In the meanwhile, gander directly below for a list of OSCAR 6 bay area flyover "On" times:

All times are PM PST:

<u>DAY</u>	<u>OCTOBER</u>	<u>DAY</u>	<u>NOVEMBER</u>	<u>DAY</u>	<u>DECEMBER</u>
WED	30 7:56	Wed	20 8:00	WED	11 8:00
	<u>NOVEMBER</u>	FRI	22 7:55	FRI	13 7:50
FRI	1 7:51	SUN	24 7:50	SUN	15 7:53
Sun	3 7:46	WED	27 8:39	WED	18 8:43
WED	6 8:36	FRI	29 8:34	FRI	20 8:38
FRI	8 8:31	<u>DECEMBER</u>		SUN	22 8:43
Sun	10 8:26	SUN	1 8:29	WED	25 7:28
WED	13 7:20	WED	4 7:24	FRI	27 7:22
FRI	15 9:10	FRI	6 9:14	SUN	29 9:12
SUN	17 9:05	SUN	8 9:09		

These are all PST and should be corrected if we don't go off daylight time on OCT 27. Listen for the downlink signals (SSB and CW) on 29.5 MHz plus or minus 50 kHz. I got this neat table from MDARC's carrier, which will also carry a similar table for OSCAR 7 if someone finally decides to launch it!!! OSCAR 7's table will be here next month.

-----\*\*\*\*\*-----

FRED HEWARD K6EER, has gotten hold of a fantastic offer for you teletype buffs or those who may be interested. He can get Model 15's (KSR) in the sound-proof console for \$50.00 complete (as-is). These look very nice. Also available is a Model 19 complete with tape cutting keyboard, table, tape distributor, and power supply for \$65.00. These are located at Applied Communications Corp 5170 Marine View Ave Belmont (592-1622). Need info?? Call Fred at 593-2319.

IF you want to have a Guaranteed Certified HOT TIME and also learn something of California History why not come down to the University of Santa Clara and visit the Mission, old adobe wall, Sweet Young Things and other points of interest. Besides, ye noble editor resides in the big tall dorm there, right at Swig Hall, room 900. Look for the antennas hanging precariously out the window. Free guided tours!

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Minutes of the General Meeting of PAARA/MP CD Club.  
DE Hal, W6DEF

Meeting was called to order by our president. Twenty-five people were present. Minutes of the previous Board meeting were read, and visitors were introduced. Jerry Starkey, WA6LIJ told of the rules for the Sweepstakes Contest to be held November 2 and 3 for CW and the 16 and 17 for phone. This was explained to be a national and club-oriented contest. Log sheets were passed out.

Motion made by Jerry Starkey WA6LIJ and seconded by Andy Korsak VE3FZK/W6 that the Club purchase safety belts, two of them, at a cost not to exceed \$70.00 for use in climbing towers and for the repair of beams. Much discussion followed and finally the Club voted in favour of the motion.

Treasurer's report was read by Paul Churchill, W6QBY. We did great financially as well as socially in the best event of the year -- the PAARA Auction.

Fred Canham announced the Nominating Committee. These are Terry Conboy, Jerry Starkey, Jerry Wagstaffe, Gerry Tucker, Lee Zalanik, and Dave Harper. Go to it!!

Our speaker was introduced and told of the Sisters Cities Program as far as Amateur Radio is concerned. Chuck had many beautiful slides of Africa and gave a fine talk.

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Hal Moore, our E.C. tells me that he is participating in OPERATION HANDLE, which is a monthly message sent out by the federal disaster assistance administration and others to develop an alternate to telephone communications in time of disaster. The ARRL and MARS all participate. Nice to hear of Hal's good work.

PAARA HAM ASSISTS IN PERU EARTHQUAKE

During the morning of Thursday, October 3 a telephone call was received at the home of W6DEF from WA6DBT, Jack Brooks, the Chief Engineer of international shortwave radio station KGEI. He asked that the National Traffic System be alerted to messages coming from Lima, Peru as a result of KGEI to Lima. This is because of an earthquake which apparently just occurred down there.

Hal, W6DEF, said he'd be glad to put out a "QNC" (all stations copy) on the Northern Cal. Net. There was some correlation going on on two meters FM also.

During the afternoon the Oakland Red Cross on the repeater W6OT came on and asked if some-one would go to Westcars and ask them to broadcast an appeal to provide a link to Westcars, from the Red Cross to the 40 meter net. W6OT had been in direct contact with Lima on 15 but need connection to 40 meters so local information could be passed. W6DEF, Hal, got Westcars activated along with W6VXJ and they broadcast the appeal of W6OT every 15 minutes, as requested.

A 45 word QNC was transmitted by W6DEF on NCN/1 and NCN/2 that evening. The local Red Cross had been called and an offer made that if anyone wished to speak in Spanish to a cassette tape recorder W6DEF could transmit it on a repeater so KGEI could beam it to Peru. There were no takers, but the service was available.

We all know now that the earthquake in Peru was a relatively minor wave. Also few relatives of the people in that country live here. However, it MIGHT have been as severe as the one in Mexico.

PAARAGRAPHS thanks Hal for this report and his fine work.

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HEY! two meter FM fans!!! WATCH your operating -- here's a list of most-often heard Dumb Things: (A list of similar items for the HF bands would fill a volume!):  
(1) Break without callsign (2) Break with no useful traffic (3) Failure to direct the QSO to the next station (4) Failure to ignore interference (5) Long-winded rambling conversations (6) Button-pushing  
(7) Failure to listen before coming on the repeater.

de Indiana Repeater Council

MORE DOPE ON THE 1974 ARRL SWEEPSTAKES

The 1974 Sweepstakes Contest will take place on 2-3 November (CW) and 16-17 November (phone). Contest starts at 1:00 PM Saturday and ends at 7:00 PM Sunday. Rules (and you should read them to Find Out Where It's At) are on page 59 of October 74 QST. So far the volunteers from our illustrious club are: Bob Baum, Fred Canham, Rick Ferranti, Paul Churchill, Terry Conboy, Mel Cruts, Mike Eccles, Ed Fairbanks, Fred Heward, Jerry Starkey, Jerry Wagstaffe, Lee Zalaznik, Dave Harper, and James Moroney

There is a separate trophy for CW and for Phone. Competition is among PAARA, Philco, Emarc, and Foothills. Trophies will be awarded at Christmas Parties.

There are several attractive features in this event. One can operate 1 hour or up to 24 hours, or you can operate at home or at a friend's station. It all counts. Also, you can submit your score for both the individual and the club aggregate prizes.

I still have some forms and will make more upon request. So tune up and join the fun on the Sweepstakes.

Please send your CW results to: Terry Conboy WB6GRZ,  
1625 Lark Avenue, Redwood City, Ca. 94061 364-3107.

Please send your phone results to: Jerry Starkey WA6LIJ  
736 Filip Road Los Altos, Calif 94022.

For the local contest a person who belongs to several clubs should send his results to each club. However, for the ARRL contest a person must choose which single club he wants to support. For scoring as an individual with the ARRL, you must send in your logs to them personally.

If you have any questions, refer them to Jerry WA6LIJ.

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ANONYMOUS LETTER GONK DEPT.

As most of the PAARA group knows, ye noble editor is the victim of a merciless Anonymous Letter Writer. Oh, well, at least SOMEBODY out there writes to me. At any rate, we got ourselves a parody of a column which appears in this journal, prefaced by the following:

"The Following article is for the PAARAGRAPHS Gonk Dept. Feel free to edit it as you see best, (as I know you will!)."

(next page....)



THE TINKERING HAM

after Jerry WA6LIJ

Ever find yourself needing a good shim that was slightly compressible (5.33%), truly flexible, and was 1.257" thick, yet reducible in 0.0035" increments (0.00175" if you have a sharp knife) over the entire range (1.257" to 0"), and with the approximate dimensions of 9.50"l x 6.50"w? Such shims, while fairly popular, are difficult to find -- unless you know where to look. Try your bookshelf, and notice that the 1970 ARRL Radio Amateur's Handbook fulfills these requirements perfectly.

Normally you'll find that each page is 0.0035" thick ( $\pm$  moisture in the air), except for the covers which are 0.0125" each. So if you need a 1.257" shim, the handbook will do fine. However if a smaller shim is needed (in multiples of 0.0035") use this handy formula:

$$\frac{1.257" - x}{0.0035} = \text{pages to be removed} \quad (\text{Equ. 1})$$

where x = shim thickness desired

Example; If a 0.207" shim is needed  $\frac{1.257" - 0.207"}{0.0035} =$

300 pages to be removed.

If increments of 0.00175" are required, use Equ. 1 to calculate to the nearest page above needed measurement, then take a sharp knife and split a page in half (Ex. take out page #41, but leave page #42). Because of the smoothness of the covers, it is recommended that these not be removed unless necessary -- the smooth surfaces will assist your placing of the book.

In the event of a mis-calculation, where the thickness is less than desired, dip the book in luke-warm water, until desired measurement is reached. If this also fails, ask to borrow Jerry's book, and then give it another try!

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"The originator of a new concept....finds, as a rule, that it is much more difficult to find out why other people do not understand him than it was to discover the new truths." -- Hermann von Helmholtz

A Genuine Edifying Quippy Quote from PAARAGRAPHS!!!!

ARRL HAS A NEW NET DIRECTORY!!!!

The 1974-1975 ARRL Net Directory, listing over 500 public service nets registered by June 1, is now available. Once again this year the directory has been produced in booklet form, similar to the format of the repeater directory. To receive your copy by first class mail please send an addressed envelope six and a half by nine and a half inches or larger with 30 cents US postage to ARRL 225 Main St., Newington, Connecticut, 06111.

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CODE PRACTICE BULLETIN SCHEDULES

W6QIE Code Practice 8:00 PM PDST on 3590 kHz Tuesday thru Sunday 5-35 WPM.

W6ZF Bulletins First and third Mondays at 9:00 PM PDST on 3540 CW at the mere speed of 25 WPM.

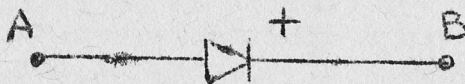
W6ZRJ Bulletins Schedule: The first and thrid Tuesday nites:  
 7:30 PM PDST on 3590 and 7090 kHz 15-20 wpm CW  
 8:30 PM PDST on 3815 kHz SSB phone  
 9:00 PM PDST on 3615 RTTY 60 speed 170 cycle shift.

Note: W6ZF transmits the West Coast ARRL code Proficiency runs each month. At times this conflicts with the first Tuesday evening RTTY run at 9:00 PM and the teletype schedule will be sent at 10:00 PM,

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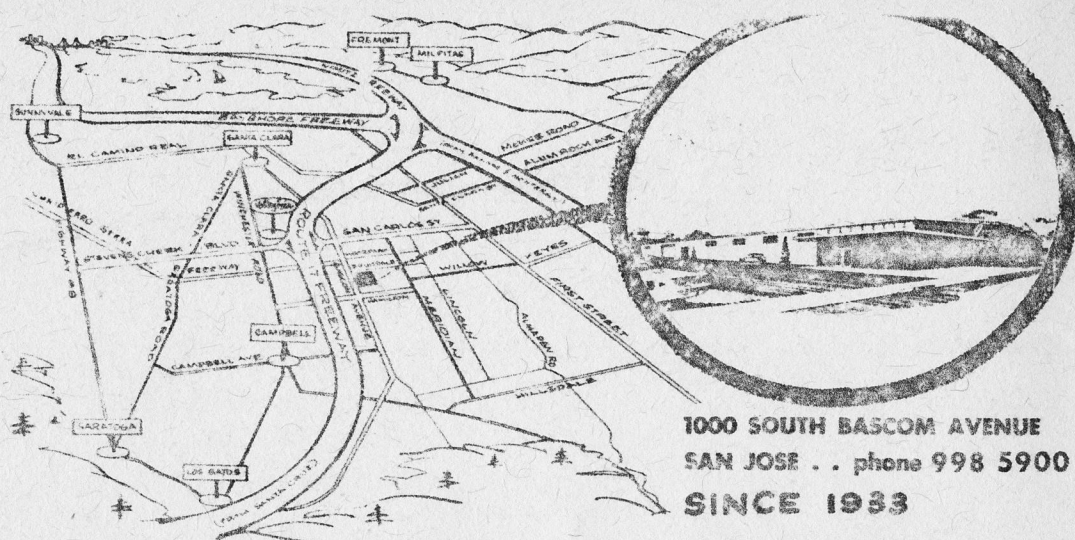
SIMPLE CIRCUITS

BY GARY WB6AHC  
 De the Heterodyne



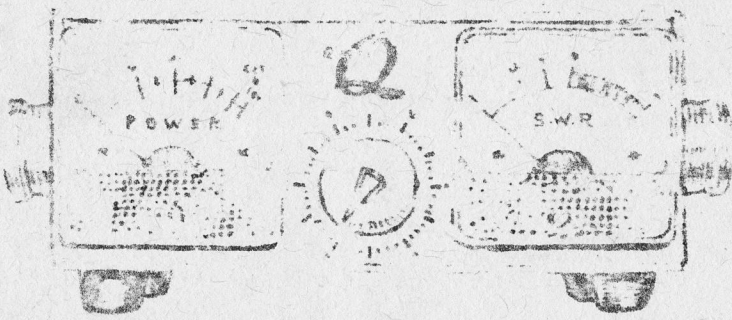
That looks like a diode. Ye. The secret is where you put the blasted thing. It may save you a \$10.00 IC. Many keyers, radios, and calculators have a jack for and external battery. Simply cut the positive wire f from the jack and connect point B of the diode to it. Then connect point A to the jack. If someone mis-connects your battery, it won't work, but better yet, your junk won't burn out. If your circuit can't stand the 1V drop across the diode, connect the point B (Con't --)





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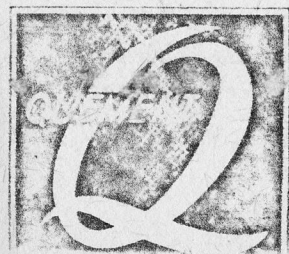
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