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Official Publication Of

PALO ALTO AMATEUR RADIO ASSOCIATION
PAARA

W6OTX Affiliated
Palo Alto Amateur Clubs
Radio Ass'n

K6YQT
Menlo Park C-D
Radio Club

ORGANIZED FOR

PUBLIC SERVICE, SCIENTIFIC, EDUCATIONAL AND
SOCIAL BENEFITS TO AMATEUR RADIO OPERATORS.

A NON-PROFIT ORGANIZATION, INCORPORATED 1956

Meetings held first Friday each month
(No regular meeting August)

STARTS
10:30 AM

SEE MAP
PAGE 7

NEXT PLANNED FUNCTION

Date: Sunday 8 August 1971. **PICNIC** - fun, games
Place: Memorial Park, San Mateo County, bring own
PROGRAM: A FAMILY PICNIC !!! All Clubs partici-
pate, bring along the family and enjoy a
real good time with the members, their
families and friends. Your membership card

Latest

Scoop

will get you in free. SAY YOU'RE FROM
PAARA OR TRI-CITY RADIO CLUB

LOCATION: ON PESCADERO RD, OFF LA HONDA RD. (Hwy 84)

TAKE WOODSIDE RD. TO SKYLINE,ARRY ON TO LA HONDA
JUST AFTER LA HONDA TURN LEFT ONTO PESCADERO RD!

Vol. XV
No 8
August 71

2
OFFICERS

ADMINISTRATIVE

Pres: Andy Korsak, VE3FZK
V Pr: Bob Allen, W6WQD
Secty: Lee Zalaznik WB6BJB
Tres: Vance Wardlow, W6FLE

APPOINTMENTS

VP PR: Jerry Starkey, WA6LIJ
CCRC Rep: Milt Donovan W6MFN
CD Eqpt: Bob Allen, W6WQD
Asst " : Glen Baker, W6UOK
TVI Com: Glen Baker, W6UOK

Editor: Vance Wardlow, W6FLE, Phone 854 6064, PO Box 911 MP

BOARD OF DIRECTORS

Chmn: Andy Korsak, VE3FZK
Secty: Lee Zalaznik WB6BJB
Membr: Glen Baker, W6UOK
" Hal Moore, W6DEF
" Vance Wardlow W6FLE
" Ed Fairbanks W6AIN
" Gerry Laxson W6OPA
" Clyde Griffin WA6CBW

SUPPORT YOUR CLUB

GET INVOLVED

PAY YOUR DUES

PARTICIPATE

BECOME A PARTICIPATOR

For an application for membership call or write for a Application For Membership to P.O. Box 911, Menlo Park.

Membership includes a subscription to PAARAGRAPHS and all priveleges of the Association. Cost is \$4 per year on an annual basis. Subscription to PAARAGRAPHS only costs \$1.

DON'T MISS OSCAR PACKAGE FLY-OVER

FUTURE PROGRAMS *2nd PAGE 18*

Date: Friday 10 September: OSCAR - A discussion of the many facets of the OSCAR program. Andy Korsak will have a presentation set up to give us all the latest information on this facinating program.(1 week ahead due to Labor Day weekend holiday)

Date: Friday 1 October: AUCTION - Plans are proceeding for the biggest and best auction yet! Fred Cahham and Lee Zalaznik are beginning to get down to details. If you have anything to sell get in touch with them and arrange for your getting it to the sales floor. We need storage space - if you have spare room let Fred or Lee know. No auction item valued less than \$5 will be put on the block. Smaller items must be handled by the owner. 10% of sales go to the Club.

REPORT OF 9 JULY MEETING

Being away on some very personal and important business I will have to make do with some sketchy outlines of what went on at the meeting last month. Here is the best I can make of it:

After much speculation as to whether Larry Reed, W6CTH, was going to make it or not it turned out he was there with bells on. Larry brought along a tape recorder and all the receiving equipment. He setup a demonstration of Slo-Scan amateur TV.

By recording the transmission on the tape recorder he was able to play back the TV transmission and thus get an excellent picture. By use of a long decay screen on the picture tube he was able to give a fine demonstration of just how good pictures may be on ATV.

Of course the pictures are not animated since they each take some time to record. However they are clear and concise.

Larry pointed out that there is a lot of interest in ATV in the Bay area. There are many hams doing fine work on this type of transmission. Andy Korsak, VE3FZK, has for some time been trying to get some interest worked up in the Club. He has several pieces of equipment which he

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has acquired from various sources and will loan or sell to anyone interested in getting started in this most interesting phase of Ham communications.

Some of you may remember that we had a fine demonstration of ATV away back in February of this year. Frank Foge, K6EOS, set up a fine array of ATV equipment and gave us the dope on how to get into the game. He has a fine and very simple circuit which really works. And it is animated TV - on 432mhz.

Andy Korsak has all the dope and will be happy to give anyone all the info on how to get in touch with Frank. This looks like a fine way to get a few PARTICIPATORS into the stream of activity.

CONDOLENCES

It is with the deepest regret that I must announce the passing of one of our most outstanding members.

David Porter Baker, W6WX, one of our most active and dedicated members passed away wednesday 21 July. Cause of death was a cerebral hemorrhage suffered in the middle of the night.

Dave was Civil Defense Radio Officer for Menlo Park, doing an outstanding job. He was a dedicated Ham and a member of

David P. Baker, W6WX, cont'd

several of the most active Clubs in the State and was a real PARTICIPATOR. Dave gave of himself in every way possible to help and assist others in the Ham Fraternity.

Dave is survived by his wife Jean, daughter Mrs. Nancy Harrington and 3 sons - David, Bruce and Eric. To all of them we wish to express our deepest and most sincere condolences.

Mrs. Baker selected a most appropriate burial plot for Dave - on the highest knoll of Skylawn Cemetery overlooking the wide pacific. Just a wonderful Ham location.

We will all miss Dave.

* * * * *

Got the word through Jerry Starkey, WA6LIJ, that Champion Spark Plug Co., Technical Services Dept., P.O. Box 910, Toledo, Ohio, 43601 has available for free an excellent brochure for Mobilers entitled "Giving two-way Radio its Voice". Covers suppression fundamentals; preliminary procedures; locating the source of interference; interference suppression techniques; marine radio suppression and shielded ignition. It has 16 pages. Sounds like a solution to many of our problems.

BOARD OF DIRECTORS

As announced in the last issue of PAARAGRAPHS a meeting of the Board of Directors with membership participation was held on Wednesday, 14 Jul.

It was well attended and held in the trailer at SRI. Many items were discussed including the potential for an auction this fall; the need for membership for young students without an amateur license; the need to get on with the activation of our Civil Defense organization; and plans for painting the trailer.

No final decisions were made on any of the suggestions. However Lee Zalaznik will supervise the getting together of a group to do the painting of the trailer, Fred Canham will take on the organization of the auction, Dave Baker was to get going on the C-D problem. We will now need a new Radio Officer. (Anyone interested get in touch with Vance Wardlow).

The Secretary, Lee Z., read the By-Laws as printed in PAARAGRAPHS. These are identical to those adopted in 1956

(NOTE: ALL MEMBERS SAVE THE LAST 2 ISSUES OF PAARAGRAPHS FOR THE ARTICLES OF INCORPORATION AND BY-LAWS). SEE PAGE 7 FOR FINAL PARAGRAPHS.

JOIN THE CLUB

SEND \$4 TO THE TREASURER FOR AN APPLICATION FORM. GET IN ON THE FUN. BE A PARTICIPATOR.

WELCOME ABOARD NEW
MEMBER

5

John A Cameron is one of a fine group of young fellers who are on their way to being up and coming hams. He has a fine set of receivers and is going strong on his code speed. John joins the Club with the intention of becoming a real

PARTICIPATOR

One of our old-timers has just surfaced from his lethargy away up there in Santa Rosa. Paul Mezzapelle, WA6NLJ, sends along greetings to all members and invites us all to pay him a visit at 959 Danbeck Ave., Santa Rosa. Give him a call on 528 0117. Paul is on the air with 18 watts on 80. Get in touch. 73 Paul.

* * * * *

FIELD DAY

A summary report from Fred Canham, W6QWF, gives a fine picture of a real group of PARTICIPATORS. Each of three stations were manned by some outstanding operators. They gave their all and raked in the points. Here is the way they stacked up at each station with scores made:

STATION #1

Canham, Dixson, Vickery, Moore, Sweningsee III.

Total operating time - 23:01

QSO's - 429

Note: More effort was needed on 15, 40 & 80 meters.

The phone stations were handicapped by poor antennas on 40 & 80. Suggest more stations next year with team captains for each.

STATION #2

Zalaznik, Starkey, Fairbanks

Total operating time - 22:10

QSO's - 265

STATION # 3

Korsak, A'len, Donovan, Griffin

Total operating time - 14:07

QSO's - 81

Msgs - 2

The success of the CW operations was due to the excellent operating abilities of Bob Dixson W8ERD, and Oliver Sweningen just home from Vietnam. FINE WORK! ! !

QSO BREAKDOWNS

BAND	CW	PHONE	TOTAL
80	34	23	57
40	132	51	183
20	216	130	346
15	47	96	143
10	--	--	--
2	--	56	56
	429	356	785

Of 14 operators participating all were AREC members.

Total QSO's 785; mult.2=1570
Bonus points: Emerg Pwr = 300
Publicity=50; Msg orig = 50;
Msg relay =50. TOTAL 1975
for 1971

FOR SALE
 MOSLEY TA33 TRI-BAND BEAM.
 VERY GOOD CONDITION, USED LESS
 THAN TWO YEARS, COMPLETE WITH
 INSTRUCTIONS. \$45.00.
 John Fogg, K6AO, 851 1806
 * * * * *

Hey did you see that fine write-up in the MENLO-ATHERTON RECORDER on our Simulated Emergency Test? If not you should look it up - a fine description of the activities. We must give Hal Moore, W6DEF, a big pat on the back for getting the news out to where it will do the most good. FB Hal.

* * * * *

PARTICIPATORS

A great big had to those who participated in the 4th of July parade in Redwood City. The following made it possible to maintain communications all along the parade route:

Glen W6UOK, Bob K6UKF, Frank WA6QDC, Al W1GBN/6, Bill WA6VGR, Ralph WB6HIX, Mike, WA6AIX, Hal W6DEF. And a big had to Dick K6ANN and Ken K6DRN who operated the base station W6WWJ/6.

A fine demonstration of real community spirit. Our congratulations to the whole crew and their helpers.

* * * * *

JOIN THE CLUB - BECOME A

PARTICIPATOR

GET IN ON THE FUN AND ACTION

SEND FOR APPLICATION PO BOX 911
 Menlo Park

SAN MATEO COUNTY FAIR

When you take your family to the Fair this year be sure to look up the Amateur Demonstration booth. The San Carlo Club is putting it on and doing their usual bang-up job. Go on in and have an eyeball

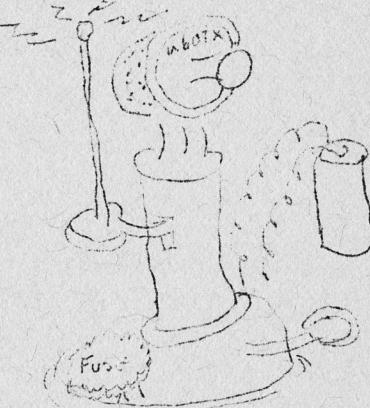
QSO

* * * * *

Another couple of real determined youngsters have shown up in Michael Sinke-witsch and Susan Gordon. They are both in there pitching for a general license. Hal Moore got them going on the "On-the Air" code practice. Provided a receiver to get Susan on the air.

ATTENTION OLD FRIENDS

Sharon Schepke, WB6FME, will have her picture in the Octob issue of QST. Sharon recently graduated from Foothills Coll ege. She deserves our very sincere compliments.



Telephone

Telegraph

TELL-A-WOMAN

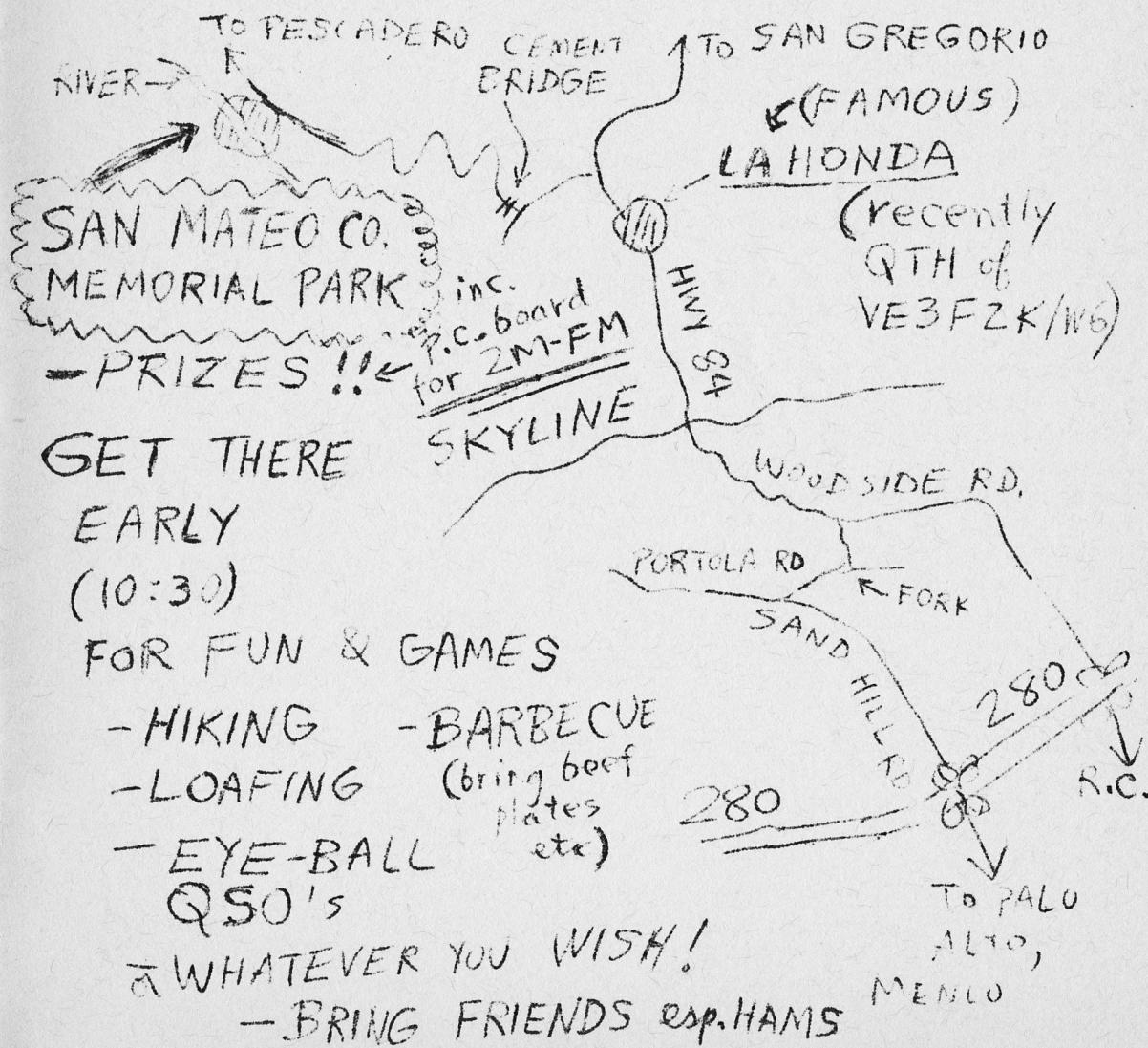
JOIN THE CLUB- HAVE FUN

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C	A
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Aug 8 P.T.

PICNIC LOCATION

- IT'S A BEAUTIFUL SPOT
- COME OUT WITH THE XYL & Harmonies
- SWIMMIN' HOLE! FISHING!



WA6QGW, RECENTLY BACK FROM VIETNAM, is tackling the problem of making DX contacts with a vengeance. He has recently installed a 6 element 10 meter and a 6 element 15 meter yagi antennas on the top of the 60 foot tower in his dads back yard. To get them up he had to take down Dads 3 element 20, 3 element 10, and 6 element 2 antennas. All went well until a hangup developed in the tackle in taking down the 20 meter job - then BANG - it all fell away! ! Ended up with a well bent beam! ! Anyway he now has the 10 and 15 elements up and working great guns. Good DX Oliver and we all hope you have many exotic QSO's.

* * * * *

TVI

An in receipt of two FCC reports of TVI from a local ham. Hope he has been able to get things cleared up. However I sent the two reports to our highly efficient TVI expert, Glen Baker, W6UOK. Am sure Glen will get things worked out to the satisfaction of all concerned.

* * * * *

Congratulations to the new editor of the FOOTHILLS paper FOOTPRINT. Bob Bly, W6KHB, stepped right into the shoes of former editor Jim Lomasne, WA6NIL, and is doing a real bang up job. Bob, we editors have common problems and can solve them only by hard work. Give me a call if I can help in any way. 73 Vaice.

ANDY GOES NORTH

SRI had a problem up north near Portland Oregon. They set up a presentation of a Paper by Andy Korsak at the Power Meeting of IEEE summer session

Andy loaded his family into his camper and took off for the North Country. Went up the Coast highway through Fort Stevens thence to Portland.

Had a fine trip except on the way home they stopped at Shasta where little Cathy had a rash. She and Rosa stayed overnight in an airconditioned motel while Andy and Casey took a speed boat tour of Lake Shasta. On to home where Rosa had the job of clearing out the bugs and gnats from the camper! A fine trip.

* * * * *

1971 SIERRA HAMFEST

August 14 1971

In Reno Nevada at Idlewild Park, on Cowan Street. Many fine prizes. Pre-registration \$7.50 (\$8.50 after 4 August). Payable to Nevada Amateur Radio Assn., mail to 1047 Mark Way, Carson City, Nev. 89701

DONOT MISS IT

* * * * *

DO YOU WANT TO CONTINUE
TO RECEIVE PARAGAPHS ? ? ?

IF SO
JOIN THE CUB

SEND IN YOUR APPLICATION FOR
MEMBERSHIP WITH \$4.00 TO GET
ON THE PERMANENT MAILING LIST.

or send \$1 for 1 subscription

9

PALO ALTO AMATEUR RADIO ASSOCIATION
(PAARA)

BY-LAWS

Cont'd

Article VI. Duties of President.

It shall be the duty of the President to preside at all meetings of the corporation and to preside at all meetings of the Board of Directors. It shall be the further duty of the President to make all committee appointments.

Article VII. Duties of the Vice-president.

It shall be the duty of the Vice-president to perform all the duties of the President during his absence.

Article VIII. Duties of Secretary.

It shall be the duty of the Secretary to receive all communications that may be addressed to the club or that may be submitted to him by other officers of the club and to keep a full report of the proceedings of each meeting. He shall read all communications upon request of the President.

The Secretary shall also promptly deliver all books, papers, or other property of the corporation to his successor in office, or whomsoever the club may appoint.

He shall maintain a book listing all members of the organization.

He shall perform such other duties as may be required of him by the club or by his office.

Article IX. Duties of Treasurer.

It shall be the duty of the Treasurer to receive all dues and monies belonging to the club and pay all orders drawn on him by a majority vote of the members of the club present at a regular meeting, or at a time intervening between meetings when ordered by the Board of Directors and signed by the President.

The Treasurer shall make a complete report on all monies received and disbursed at the meeting immediately following

(Cont'd pg 1")

USED SURPLUS EQUIPMENT

1690 PLYMOUTH AVE., MOUNTAIN VIEW

PHONE: 969 0510

THE LOWEST PRICES IN THE AREA

HOURS: 9 AM to 5 PM

CLOSED SUNDAY
10
SURPLUS ELECTRONIC TEST EQUIPMENT AND COMPONENTS
USED AMATEUR RADIO TRANSMITTERS AND RECEIVERS, CITIZEN BAND
BUY YOUR RIG BY THE POUND!

How many watts per ounce are you getting out of your set-up? Weigh it in! ! !

We have a tremendous selection of the finest of components, parts, cabinets, condensers, switches, phone jacks, plugs, etc.

BUY IT BY THE POUND

AND DON'T FAIL TO LOOK OVER OUR FINE SELECTION OF ALL SORTS OF THE VERY BEST OF TEST EQUIPMENT AND COMPONENTS IN OUR DISPLAY ROOMS INSIDE THE SHOP.

OUR SHELVES ARE LOADED

WITH EVERY TYPE OF ITEM YOU MIGHT NEED FOR THAT SPECIAL PROJECT OR EXPERIMENT

HALTED SPECIALTIES CO.

is

CENTRALLY LOCATED FOR YOUR CONVENIENCE OFF THE BAYSHORE IN MOUNTAIN VIEW

AT 1690 PLYMOUTH AVENUE.

ARE YOU LOOKING FOR A SWAP UP TO BETTER GEAR?

TALK TO HAL - HE WILL MAKE A DEAL WITH YOU THAT WILL SOLVE YOUR PROBLEM
IF YOU ARE SHORT ON CASH - USE YOUR CREDIT CARD
THERE IS NO BETTER PLACE TO FIND THAT HARD TO GET PART OR REPLACEMENT FOR
YOUR DEFECTIVE EQUIPMENT. OURS IS THE LARGEST SUPPLY OF SURPLUS EQUIPMENT
SOUT OF SAN FRANCISCO. IF WE DON'T HAVE IT JUST GIVE US THE SPECS AND WE
WILL KEEP AN EYE OUT FOR YOUR NEEDS. FOR PERSONALIZED SERVICE JUST DROP IN ON -

HALTED SPECIALTIES CO.

YOU WILL BE ASTOUNDED AT THE VARIETY OF EQUIPMENT WE HAVE PUT OUT FOR DISPLAY
AND HAVE AVAILABLE IN OUR DISPLAY ROOMS. AND YOU WILL ALMOST CERTAINLY BE
ABLE TO FIND THAT PART IN OUR EXTENSIVE SUPPLY OF SPARE PARTS IN BINS.

COME ON IN

PAY US A VISIT PAY YOURSELF A DIVIDEND

HALTED SPECIALTIES CO., 1690 PLYMOUTH AVE., MOUNTAIN VIEW CA. Phone: 969 9510

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BY-LAWS, continued

termination of a quarter, namely 31 March, 30 June, 30 September and 31 December.

He shall perform such other duties as may be required of him by the club or his office.

Article X.

The By-Laws of the corporation may be amended by a three-fourths vote of the membership after due notice as provided herein. Proposals for amendment shall be submitted in writing at a regular meeting of the corporation and may not be voted on until the next regular meeting.

Motion to amend the By-Laws of the corporation made at any regular meeting shall be mailed to each member at least fifteen days prior to the next regular meeting, at which time a vote will be taken. Votes of absentee members may be exercised by written proxy.

Article XI.

In any question coming before a meeting for which no provision has been made in the articles of incorporation and by-laws, the officer presiding over the meeting shall be governed by "Roberts Rules of Order".

THE END

* * * * *

All members should save June, July and August issues of PAARAGRAPHS which have complete ARTICLES OF INCORPORATION and BY-LAWS of the PALO ALTO AMATEUR RADIO ASSOCIATION, INC. duplicated for your assistance and information.

One of the purposes of duplicating these basic documents is to provide all members with help and guidance in the participation in the affairs of the Club. Attendance at the Regular meetings and the Board of Director meetings will provide each member with assurance that his Association is providing him with the greatest benefit possible. Attendance will also assure that a mutual benefit will result from the association of members with each other.

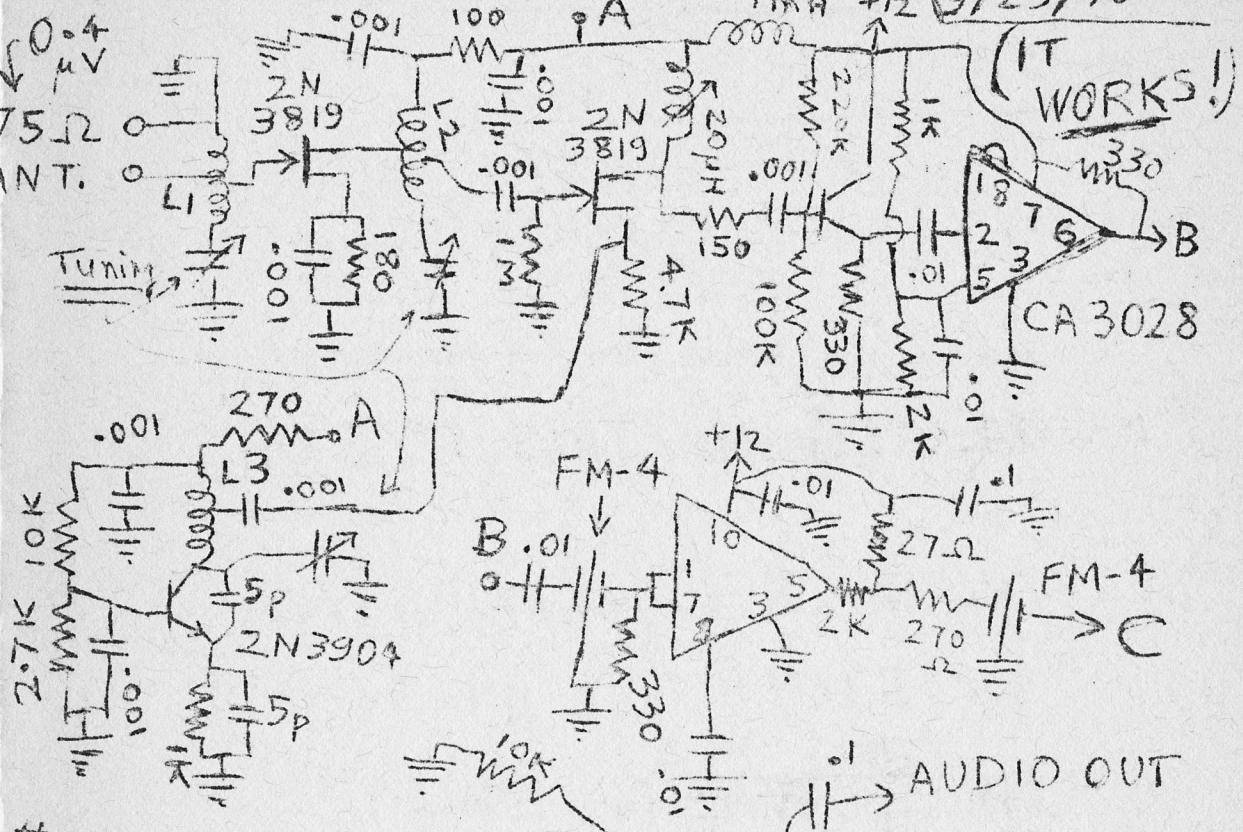
BECOME A PARTICIPATOR

FM TUNER with PLL (NE 560)

Designed by Wayne Ryder, W6URH, Menlo Park
(8/25/70)

~~TMH +12~~ 9/25/70

WORKS.



#22 WIRE
1/4 DIA

L1 3T TAP $\frac{1}{2}$, $1\frac{1}{2}$ T

2 31 TAP $\frac{1}{2}$ T
3 7T

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FM-4 is CLEVITE
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CALL ANDY
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AT P-14

RED JOHNSON

ELECTRONICS

YOU CAN GET BARGAIN PRICES
ON MANY ASSORTED PARTS YOU'LL
NEED FOR THE 2-METER AND
FM (BROADCAST) PHASE LOCK LOOP RCVR
PROJECTS IN THIS ISSUE

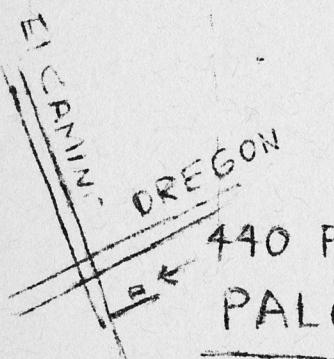
IF YOU'RE NOT OUT ON VACATION,
BUILD THE 2-M TRP D. OR FM RCVR.

DON'T WASTE AWAY

YOUR SPARE TIME

-BUILD - BUILD!

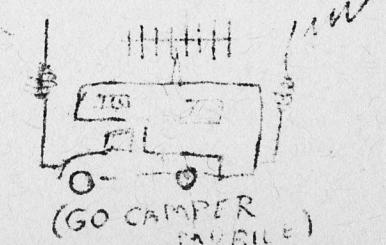
-IT'S A GREAT
SATISFACTION!



OPEN SUNDAYS 10-2

M-F 8-8

SAT 8-6 326-6085



V6HDO TWO-METER PROJECT REPORT
Andy Korsak, VE3FZK/W6

FINALIZED TRANSMITTER MODULE

Cliff Buttschardt has evolved a final design of a reproducible p.c. board for a 2-watt transmitter. Cliff reports he squeezed 3 watts out of it, but doesn't recommend everybody pushing the output device that hard. Since many members of the tri-city group showed interest in building this transmitter, I decided to make the circuit diagram and Cliff's tips on building it available to all by publishing them here. There will be p.c. boards available for as low a price as we can get -- the more guys want to build it, the cheaper they will be. So far, I got a list of 15 names at the last tri-city meeting, and before we proceed I will go to the CCRC meeting first week of August and see if we can interest members of other Bay Area clubs so we could all buy p.c. boards and parts in quantity at lower prices. So hang on, and we will start building the 2-meter transmitter together, possibly at a special "builder's night" meeting, within a month or so. What I will do first is try to get more guys from other clubs to join in on buying parts together. As a matter of fact, the best solution will be if all you guys pay me a flat sum for the parts and I'll either ask for a little more or pay you back equally/ whatever savings I can make by quantity buying.

VHF FM TRANSMITTER

C. Buttschardt, W6HDO

16 June 71

NOTES TO VHF FM TRANSMITTER ← FM only,

- 1. Antenna output stake terminal in such a position where coaxial shield can be returned to plus or minus supply as needed.
- 2. Audio ground now floating. Use jumper wire between audio input ground terminal and broad trace, or use a capacitor where AC ground only required. The former required for carbon microphones.
- 3. R_C used for carbon microphone button/current. Use 1K initially.
- 4. R_B plus used when greater than 14VDC available. Applied full voltage to final. Adjust this value to provide 12VDC to remaining rail.
- 5. Diodes are any good junction silicon units. Try different similar pairs for maximum deviation for a given audio input. IN645 initially.
- 6. Extra solder pads are provided to accomplish:

- A. Used for trap if it should become necessary, near the base of each RF transistor. An isolated pad is also provided.
- B. Additional capacity across crystal or crystal trimmer.
- C. R_C for use with carbon mike only. Can be used to taylor audio response by the use of a capacitor.
- D. R_B plus for use with supply voltages over 12VDC
- E. Grounding clip on crystal socket.
- F. Wiper of pot has two possible pads; Inline one fits 3/4 inch long helitrim. Second wiper pad for 5/8 dia conventional pot with shaft facing the short, nearest side of board.

AM
we will modulate it as well
in the final XCVR
package.

- P. 16
7. Heatsink final with 5/8 dia., 3/8 high (or larger) clip on transistor.
 8. Heatsink driver with 5/8 dia, 1 1/4 inch high unit.
 9. If supply voltage is over fifteen volts, (23VDC max) is used, the 2-8pf trimmer should be replaced with a bead RF choke of two turns, and the 10K resistor eliminated. This bead is a popular AMIDON item.

PARTS LIST:

Capacitors:		Resistors:		Inductors:	
4.7 u	15VDC	2	10 ohm 1/4 W	9	4.7 Mh iron core RFC 1
0.1 u	5VDC	1	220 "	3	Amidon bead RFC 1
9-35 p	trim	1	470 "	1	7T #22 3/16 id 2
2-8 p	trim	2	1K "	1	4T #22 3/16 id 3
10p	CMOS	2	1.5K "	1	2B #22 3/16 id 1
12p	"	1	2.2K "	2	Diodes (varactor):
33p	"	1	4.7K "	4	1N645 or 10p varicap 2
43p	"	1	6.3K "	1	Crystal:
51p	"	1	10K "	5	12 MHz fundamental, 20pf
63p	"	1	15K "	1	parallel resonant. HC-6
100p	"	4	47K "	2	Stake terminals:
120p=	"	1	91K "	1	1/16 dia, 3/16 high 5
150 p	"	3	100K "	1	
220p	"	1	100K pot	1	KEEP TRACT OF YOUR
630p disc		1	R _c and R _b	2	REVISIONS HERE.

WGHDO

ADDITIONAL NOTES ON TRI-CITY MEETING AND PAARA BUSINESS MEETING

By Andy Korsak, VE3FZK

Since our editor, Vance Wardlow, W6FLE, just returned from his honeymoon in Hawaii, he has jumped right back into the club activities, and took it upon himself to find out what is happening and wrote it up in this paper. However, I just talked with him after getting back from my business and vacation trip to Portland, and it turns out Vance left out a few items, so I will add them in.

First, about the tri-city meeting, we might mention that Lee, W6BJI again informed the members about his monitoring WESCARs regularly on evenings out of the W6CTX trailer, both on 7255 and 3852. Participation of the membership in checking in was invited. I brought up the San Jose convention of the previous weekend and passed around information on latest ham gear demonstrated there. I also demonstrated the circuit boards developed thus far on our two meter project--namely, a converter by Bob Stein, W6NBI, the W6HDO transmitter, and the Signetics-designed IF board which is still undergoing finalization. I haven't had a chance to contact Signetics since I returned from Portland, so I can't say if they finished up the IF board design.

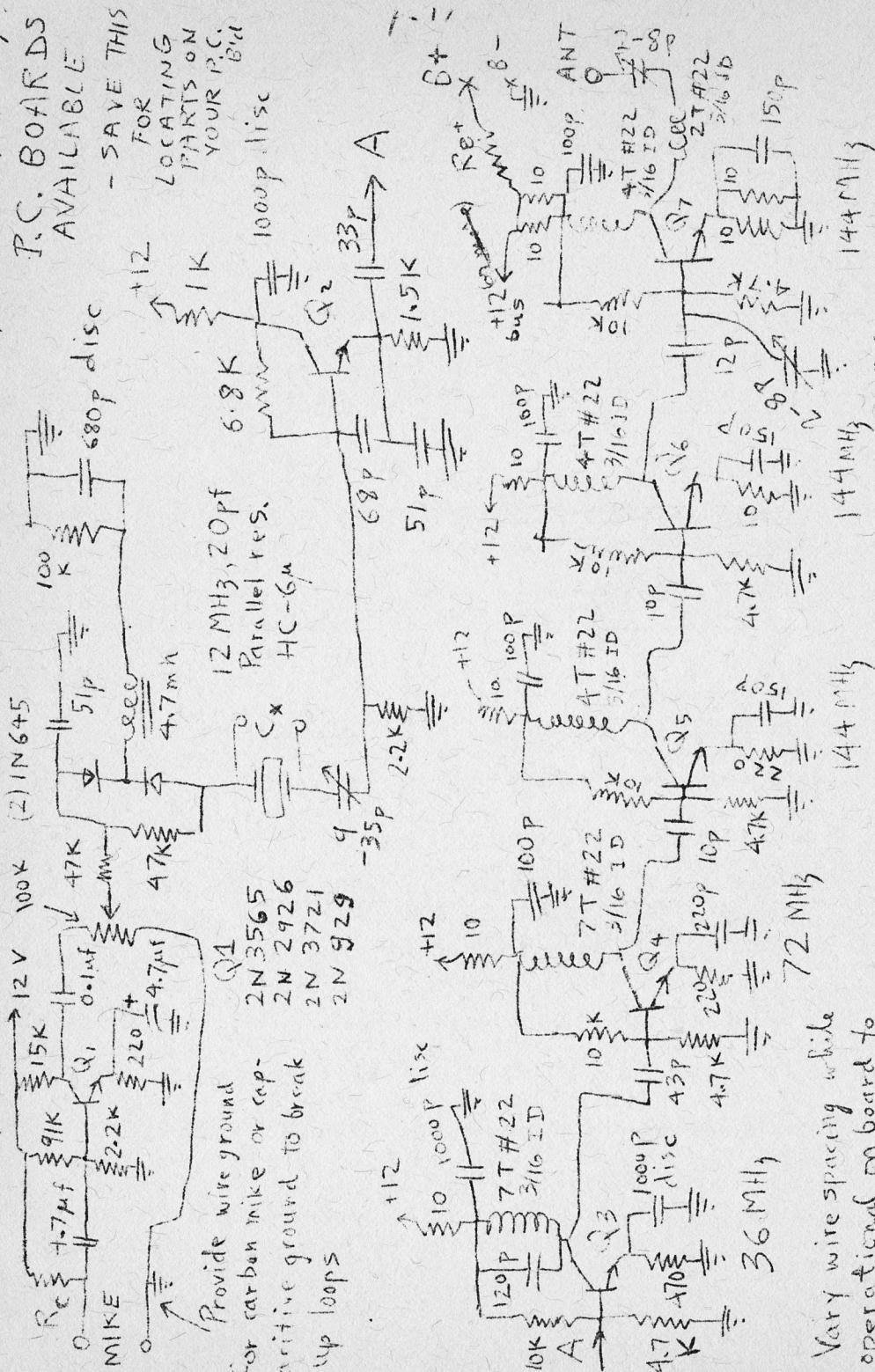
Another item at the tri-city meeting: Hal Moore, W6DEF, reported on the Redwood City July 4 parade coordination by 2-meter mobiles of the SCARS club. Glen Baker, W6UCK, from PAARA also participated.

At the PAARA business meeting, some added information: (cont'd P.14)

VHF FM TRANSMITTER (C. Buttscharl +) W6HDO, June 97

P.C. BOARD DS
AVAILABLE
- SAVE THIS
FOR LOCATING
PARTS ON
PCB

Job ch
Provide wire ground
or carbon alike or copy
right in ground to ground



Vary wire spacing while operational on board to obtain these frequencies

$Q_2 - Q_5$:
 $2N3563, 2N4124, 2N708, 2N5177$
 $MPS3563, HEP-53$ Q_6 :
 $2N4427$
 $2N3866$
 (heatsink) Q_7 :
 $2N5913$
 (large heatsink)

18

I announced that SHI will permit installation of a beam on top of the steam plant next to the W6CTX trailer, not to exceed 15 ft. above the roof, which is about 30-40 ft. above ground, so that ought to help W6CTX get out of Menlo Park on the DX bands. Also, a new candidate for PAARA showed up, John Cameron, who is now working at getting his novice ticket. Glen Baker pointed out that many years ago the Menlo Park Police Department wanted to put police radios in PAARA members' cars along side their ~~ZPA~~ CD gear so they could report directly any emergencies. Glen and Bob Allen are supposed to look into the possibility of reactivating the MPPD's interest in our cooperation.

VERY IMPORTANT OSCAR NEWS!

C S C A R A - C - B S A T E L L I T E T R A N S P C N D E R F L I G H T T E S T

AN AIRPLANE WILL FLY OVER THE SATELLITE PACKAGE HERE THAT WAS RECENTLY FLOWN OVER THE EAST COAST. IT WILL BE FLOWN FROM LOS ANGELES TO PALO ALTO

CALL CF TRANSPONDER: WA3NDS
DATE: -- SEPT. 25TH, -- DEPARTING ABOUT 3:00 A. M.

- INPUT -- 145.9 to 146.0 MHZ
-- OUTPUT -- 29.45 to 29.55 MHZ
-- TRANSPONDER IS LINEAR SO ANY MODE POSSIBLE
-- SPECIAL QSL'S FROM AMSAT IN MARYLAND WILL BE AWARDED
-- THERE WILL BE A GROUND NET AT 7225 day 3360 night to provide info on plane position and sched, chaired by Cliff, WSHDC, for NORTHERN CALIF.
-- FLYOVER ALSO WILL BE MADE ON SEPT. 11, BOTH OVER SAN DIEGO AND PROXIMITY OF BAKERSFIELD - SANTA BARBARA AREAS SO YOU MIGHT BE ABLE TO HIT IT FROM HERE ON THE EARLIER FLIGHT AS WELL.

Note: Even if you only hear yourself at the 10M NET output, this will be valuable to report.

- Keep records of frequency on 2M used and time, as accurately as you can
- CW recommended, but AM, FM SSE will work only not as far. (also other nites → Thursdays)

THERE IS A REGULAR NET NOW FOR PLANNING AND INFO FOR PARTICIPATORS, HELD BY W6HDD 8:30, 3860

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SAN CARLOS BUGLE
(REPORT OF THE SAN CARLOS C.D. AMATEUR RADIC CLUB).

The last meeting included a review of our performance on Field Day. Our score was recently reported in PARAGRAPHS by Gene Sussli. Everyone agreed it was a wonderful outing for all. There was no evidence of a generation gap. All members who participated cooperated with our Field Day Chairman, Bill Jackson. The rules set up by the Field Day Committee were followed and all the previous planning paid off.

With regard to the competition among the three clubs, it appears that the San Carlos Club earned the highest score. Unfortunately, a prior agreement had not been reached on how the clubs would be ranked and this remains to be done. We, of the San Carlos Club, advocated one of two methods to be used. One method was to simply use the highest score earned as it will be reported to the ARRL. The second method was to take the score and divide it by the number of paid members on the club roster. The latter method would provide a ratio of performance per member and hence place both large and small clubs on equal basis. We still feel that either method would be simple to determine, and fair to our clubs and allow little area for argument.

Unfortunately, the vociferous Redwood City Club prevented us from reaching an agreement before Field Day and confusion reigned. After all the noise emitted by the Redwood City Club they didn't even participate. Our one lesson learned this year is: keep it simple and reach an agreement before Field Day!

Our meeting in July included a critique on how our performance can be improved next year. It was evident that you must assume that your portable generator will fail and you have to be ready to get another one into service. The two main areas requiring much thought are: (1) The assignment of the bands to be worked by the stations participating, and (2) avoidance of interference between stations.

We improved our score from last year by about 50% and have had no trouble deciding on how to judge our own performance. Maybe the simulated emergency test has the right idea - compete against yourself and keep improving your score year after year.

Plans are still being made to start a class in radio theory for members wishing to upgrade their licenses. However, it was decided to wait until the end of the summer vacation to start the classes. Anyone interested contact Fred Heward or Gene Sussli. You will be notified of the time and place for the classroom work.

We are all looking forward to the picnic on August 3rd and hope that it will be a big success. Let's get all of the families out for our one outdoor social event of the year.

(Taken in shorthand by Rosa, XYL of VE3FZK Ray Allustriarti, W6JCV (← Allustriarti))

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