

THE OFFICIAL NEWSLETTER
OF THE PALO ALTO AMATEUR
RADIO ASSOCIATION
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PAARAgraphs Staff

Editor	Chuck Johnson	no call	408-258-4857
Advertising	Swede Swenson	N6CHL	368-9808
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PAARA Policies

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

Club Net on 147.45 MHz Mondays at 8:30 P.M.

Meetings monthly at the Menlo Park Recreation Center at 7:30 P.M., the first Friday of the month.



From the Editor's Desk:

As we head into the Holiday Season and the New Year '88, I want to thank those who have provided content assistance for this issue. In addition, I want to acknowledge all the positive feedback I have been getting about the quality of OUR Newsletter --- onward and upward in '88! The Christmas Dinner is on December 14th, at which time club officers will be installed. Election Day is December See You There! Have a fine and joyous holiday & See You again in 1988!!! -73 de Your Editor.

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RAY ALLUSTIARTI, W6JOV == Retired from PG&E after 30 years service, now lives in San Carlos. Formerly Supervising Electrical Engineer in charge of Transformer Substation Design. "Tuning Transmission Lines at 60 Hz"... TOPIC:

Ray is going to show how to tune up REALLY BIG transmission lines. In the process maybe we can learn something about our miniature transmission lines by scaling down Ray's techniques. DINNER WITH THE SPEAKER at Su Hong's, El Camino, Menlo Park at 6:15 of Meeting Evening DECEMBER 4TH!!!

BE LOOKING FORWARD TO STILL MORE GREAT FEATURES IN 1988! Monitor the PAARA Net & PAARAGRAPHS for details. -- info de Andy VE3FZK

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It is hard to believe a year has gone by since PAARA's last elections. It has been a fun year as your President, mainly because we have all chipped in on the work load. A new slate of officers was 'roughed' out at the November meeting and Jerry Starkey WA6LIJ's nomination committee is smoothing out the rough edges. I want to keep stressing the importance of having full board meetings as these are vital planning sessions for club activities.

We had a good initial commitment for attendance at the Dec. 14 Christmas Dinner at Dinah's (see Nov. PAARAGRAPHS for details) and I'm counting on everyone to show up with checks etc., at the December meeting.

Some exciting training possibilities are developing with the Blind Rehabilitation Center at the V-A Hospital and we will have more details on this next month.

Enjoy the holidays!

de WA6LNV

DX DATA

The DX BULLETIN (Published 50 times a year) 816 Fourth St., Suite 1001 Santa Rosa, CA 95404

1YR - \$28(2nd Class mail) \$35(1st Class mail)

The W6GO/K6HHD List (Monthly)
[Computer list of 5000+ DX operators & managers]
Jay & Jan O'Brien Electronics Enterprises
P.O. Box 700
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CLUB VOTES!

State of <u>nominations</u> as of Nov. 6th meeting:

PRESIDENT: Gerald Tucker, WA6LNV VICE PRESIDENT: Andy Korsak, VE3FZK

SECRETARY: Bill King, N6CHI

TREASURER: Lily Ann Hillis, N6PGM

BOARD MEMBER

(3 Open Seats): Steve Stuntz, K6FS Chuck Johnson

ANNOUNCING

JAN '88-MEETING-IS-ON -

Friday, January 8th !!!

♣ QST DE ROD KB6ZV♣

MONTHLY DIRECTOR'S REPORT de ROD STAFFORD, KB6ZV DIRECTOR, PACIFIC DIVISION

The Pacific Division had some very distinguished visitors recently from mainland China. Mr. Wang Xun, Deputy Secretary General of the Chinese radio Sports Association (the equivalent of the ARRL), Mr. Tong Xiao-Yong, Director of BYLPK and Mr. Liu, the Secretary of the CRSA were in the San Francisco for about 4 days on their way to Newington, CT and other points east. They are visiting the U.S. for the purpose of seeing the ARRL operates, meeting with FCC officials, visiting hams and, in general, seeing the status of amateur radio in the U.S. Those hams helping to entertain the Chinese visitors included: W6EJJ and W6ZM (both ARRL Vice-Director Knochenhauer, K6ITL and myself, W6RJ, K6KQN, W6DU, WB6UOM, K6DU, K6TMB, W6ZKM and W6PKB. A visit to the U.S. Weather Service Redwood City was hosted by N7EQN and N6ITW. It was an enjoyable time explaining the American viewpoint of amateur radio. For many years there was no amateur radio activity on mainland China. In 1979, the governactivity on ment allowed ham radio once again. A bit of progress has been made since 1979 and there are now about 25 club stations on the air, BY1PK being the most well known.

The Chinese are very much interested in seeing amateur radio expand in their country. They see the value of amateur radio in that it develops an interest in electronics and other high tech areas.

The FCC has just released an Opinion and Order that is a followup of the Novice Enhancement Report and Order released on January 28, 1987. A short time after the Novice Enhancement R&O was released, several amateurs petitioned the FCC for changes in its order. The changes requested: a) allowing Novices to use the entire 220 MHz band, or at least the area between 222.0 and 222.1 MHz, b) allowing Advanced class licensees to administer element 3(b) of the amateur test, c) some other minor changes. The FCC saw little

merit in the requested actions and denied them all except for a minor clarification of allowable emissions by Novices and Technicians on the 10meter band.

If you're interested in DXing, you should plan on attending International DX Convention which will be held in Visalia, CA on April 22-24, 1988, at the Grosvenor-Holiday Inn. Cost is \$38.00 for pre-registration, including Saturday night banquet and Sunday breakfast if you send your money before February 28, 1988. After that date the cost is \$44.00. Checks should be payable to "Int'l DX Convention" and sent to Don Bostrum, N6IC, 4447 Atoll Avenue, Sherman Oaks, CA 91423. The event is a real good opportunity to meet some of the people who are really involved in DXing and some of the people who get on the air from rare places. Hotel reservations can be made Grosvenor directly with the calling (209) 651-5000.

Another ham function coming up in the Spring is the Fresno Hamfest at the Fresno Airport Holiday Inn. The dates are May 6-8, 1988. In the last couple of years the Fresno Hamfest has been making a real comeback, both from an attendance standpoint and the content of the programs.

The 1988 ARRL Handbook is now on the shelves in the ham stores and can be ordered from ARRL HQ. It costs \$21.00 and has a nice hard cover that is needed for a book as large as it is. Just about everything you need to know but if you're afraid to ask, look in the ARRL Handbook.

(Nov. 25, 1987)

THE AMERICAN RADIO RELAY LEAGUE

Copied from The ARRL Letter, dtd Nov 4 1987, p 4......
RADIC SHACK CPENS ITS DOORS TO LOCAL CLUBS

The October 1987 Merchandising Newsletter, sent by Radio Shack to its retail stores, calls attention to the new Novice instruction package being carried in Radio Shack stores and catalogs and asks store managers to cooperate with local amateur radio clubs. The item ends with: "And, if you are contacted by local amateur radio clubs, let them leave a phone number and/or some of their literature (about meetings, for example)."

This would be a good time for clubs to get in touch with Radio Shack stores in their areas, just in time for the heavy store traffic of the holiday season! (END)

Suggestion: announcements of Novice classes, upcoming flea markets, auctions, & other activities open to the general public (as well as regular meetings) be publicized thru local RS outlets. If store mgrs haven't yet read their Kerchandising Newsletter for Oct '87, call it to their attention - their (and our) cooperation should be beneficial to all concerned. They've had negative policy in the past re: publicizing ham-related events; now it looks like the wind has shifted in our favor. -ed.



KENWOOD TS-830° & SM-240 Contact PAARA Member Fred K6YT, (415) 948-9238

ABC'S OF RTTY 3 *

What is the procedure for calling CD or answering a CQ? Contacts essentially should be made in the same manner as with c.w. contacts. If a station calls CO, he will do so and include his call. Nothing different there. However, he will often send a character string ryryryryry so that the other station can tune to his signal. Remember, it is a bit harder to tune to RTTY than c.w. You'll want to give the other operator a fighting chance. Once his call stops, you would transmit back with his call and yours. Generally, you will want to send this message several times so that any additional tuning can take place. Short identification, as with c.w. contacts, is not appropriate. As an example, I may call CO as follows:

RYRYRYRYRYRYRYRYY CO CO CO CO DE W6VIP W6VIP W6VIP and repeat once or twice. I would then respond and we would be in contact.

UNDERSTANDING FITTY CODES AND MODES.

Radio amateurs have been using digital communications since the late 1940's. At that time most of us used machines manufactured by the Teletype Corporation, and we therefore called this mode "Radio Teletype", or ETTY for short. These early mechanical machines were surplus and operated with only one code (Baudot) and with either one of two speeds (60 w.p.m. in the U.S. and && w.p.m. in Europe). As the commercial teleprinter marketdeveloped, other speeds were added and we could soon operate FTTY at up to 100 w.p.m. still using the Baudot code. The advent of computers brought the ASCII 8-bit code and speeds up to 9500 w.p.m. or higher (9600 baud or 960 c.p.s., is the new "speed" parameter). A dezire for an error-free radio teleprinter in ship-to-shore communications introduced the ARD or SITOR code, now called AMTOR in amateur radio circles. Recently, amateurs have adapted another commercial transmission standard to our radio s so that relatively large blocks or "packets" of text and information("data") are sent error-free at high speed. This, of course, is called "Facket Radio". All of these techniques (and others) are generically known as "ETTY". This article will explore the similarities and differences among these various codes, speeds and modes of ETTY operation.

Basic FITTY Terms.

*Prepared & Written
By Harry Wijtman AE6M, Part 3 of 12.

BARRY WIJTHAM 2105 BOWNIE DR. BARTA CLARA CA 95051 PBOWL 408-241-1118



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31		
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10 11 12 13 14 15 16	15 16 17 18 19 20 21	12 13 14 15 16 17 18
17 18 19 20 21 22 23	22 23 24 25 26 27 28	19 20 21 22 23 24 25
24 25 26 27 28 29 30	29 30 31	26 27 28 29 30
July	August	September
1 2	1 2 3 4 5 6	1 2 3
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10 11 12 13 14 15 16	14 15 16 17 18 19 20	11 12 13 14 15 16 17
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October	November	December
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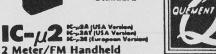
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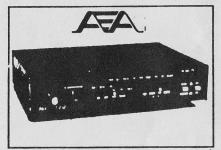
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