

11-99



# KBARA GAZETTE

## RAMBLINGS

I know I keep saying this but, I will do so again "Time really flies".

This is one of my favorite times of the year. I am so glad I live in this part of the country because of all the pretty colors. This year seems to be the best autumn ever as we are having such wonderful weather. Having grown up in the south where the leaves changed from green to brown I couldn't ask for a better season than what we are having this year.

There were lots of activities since the last newsletter. I will not remember them all but the one that I want to comment on was the 1999 Spokane Hamfest. If you did not attend, you missed the best ever Hamfest in Spokane history. So be prepared, Betsy (N7WRQ) is the chairperson for the Y2K Hamfest. I know with her great direction, the Y2K Hamfest will be even better than last this past one. Please be sure to volunteer to help. There are so many little things that people can do and not dedicate their whole lives to the Hamfest.

Another plea for articles for the newsletter. I really do need all of you to help make this newsletter the best. Your articles are very important to the success of our newsletter.

Mary Barber KC7ZZR

## PRESIDENTS' CORNER

Since my last report on the state of KBARA, we've seen lots of improvements to the system: repairs to the Kamiak Butte Repeater (146.740 MHz), fine tuning of the Blue Mts. Repeater (147.280 MHz), a new tower at Lookout Pass (147.020 MHz) with maintenance to the old, interference troubleshooting at Stensgar (146.360 MHz) and Mica Peak (147.380 MHz). Additionally, the Evergreen Intertie East/West trunk is now fully functional, and we're able to once again connect to systems west of the Cascades. All of these repairs and improvements took countless hours of volunteer time, along with considerable financial contributions, and we certainly want to extend our thanks to all those involved.

Which brings me to my next topic: the annual contribution. Our fiscal year begins January 1, and we certainly hope you can include KBARA in your yearly budget. Don't forget we are a non-profit organization, and any contributions made are tax-deductible. Also, you can help the repeater support group by letting us handle your ARRL renewal or new membership. The club receives \$5 for each new member, and \$2 for a renewing member. Please contact us for more information.

Lastly, we are making a plea for additional net controls. Those few KBARA members who run our nets are in need of assistance, and would welcome and appreciate any newcomers. So hope you will consider taking the plunge to join that elite group.

73,  
Betsy Ashleman  
N7WRQ

PS The 1999 Spokane Hamfest was a complete success. Not only did we promote the hobby, have a grand time, but gave the club a 122% raw return on the \$500 seed money contribution. And now, Hamfest 2000, here we come!

# J-POLE Antenna Design

Been having trouble hitting that distant repeater with your "rubber ducky"? Well, this Copper Pipe J-Pole Antenna is the perfect solution. It is not only efficient and economical, but it also has gain! Not bad for around \$10. **You will need to go to your favorite building supply store and pick up the following items:** (For the YL's – Even your husband can build this one. Hi Hi.)

- One 10 foot piece of 1/2" or 5/8" rigid copper tubing.
- One 90 degree elbow fitting.
- One tee fitting.
- Two copper end caps.
- Two small stainless steel adjustable hose clamps

**Now that you have your supplies, lets get started building this thing.**

1. Cut the copper pipe to the followings lengths (or have it cut at the same place you bought it)"

1 piece 57" (66 1/2" for the 5/8 wave)

1 piece 19"

1 piece 1" (to join the tee and elbow)

(The remaining piece will be used for the mount.)

2. Using normal plumbing techniques (solder, flux, and torch) connect the tubing as shown n the illustration.
3. Solder the end caps in place.

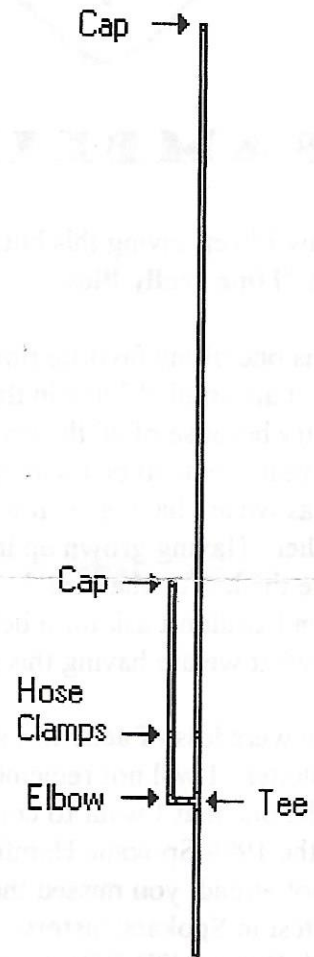
**You are now ready to tune your creation:**

1. Attach the hose clamps about 3" up from the bottom of the "U" (5" for the 5/8 wave).
2. Strip the jacket from about 5" of the coax you plan to use, separate the shield and center lead forming a "Y" and strip one inch of the insulation from the center lead.
3. Attach the coax by placing the end of the center lead under the clamp on the 19" side and the end of the shield under the clamp on the 57" (66 1/2") side.
4. Mount the antenna, check and adjust the SWR by sliding the clamps with the coax up/down until a 1:1 SWR is achieved.
5. Bring up your favorite repeater and enjoy your new antenna.

If the copper color is not to your liking, you can paint the antenna any color you wish with any non-metallic spray paint. It is strongly recommended you use a good silicon compound to weatherproof the coax connections against the elements.

I will be glad to answer any questions you have on this project.

Just send e-mail to [trbarber@earthling.net](mailto:trbarber@earthling.net). Good Luck KK7PX Tom Barber





## KBARA OFFICERS

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<b>Treasurer</b>	N7LVO	Neil Gallup	509-928-7442 n7lvo@cet.com

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### KBARA Membership

World Radio  
 Inland Empire VHF Club  
 KARS  
 Spokane Radio Amateurs  
 Silver Valley A.R.C.  
 AC7AD Ed Mckinnis  
 KD7ADH Jerry Spalding Jr  
 W6AEA George Tuncil  
 KC7AFZ David L. Snyder  
 W7AIF Steven L. Jarvis  
 KD7ARA Patricia Edwards  
 WA0ARZ R. James Wennblom  
 WB7AUK Art Gemmrig  
 WB5AVH Mable Babbitt  
 KD7AVX William F. Magee  
 NR7B Lester S. Morgan  
 KB7BAI Mary Ann Johnston  
 KB7BAJ Patrick Johnston  
 KJ7BB Warren Kelsey  
 KD7BEE Tom Marshall  
 KD7BEF Paula Fallon  
 K7BFL Don Felgenhauer

VE7DTT K. R. McNeil  
 KC5DUJ Steven Love  
 AL7DZ Patricia Kirby  
 KD7EDY Scott J. Bergstedt  
 KD7EDZ Larry Proelss  
 KD7EEA Yvonne Robinson  
 KB7EFI Eugene Smith  
 KA7EGM Clyde Hill  
 WD5EGT Cecelia Gifford  
 KE6EIHRichard M. Wilde  
 KD7EJM Larry Nelson  
 KD7ENS Pamela Stevens  
 WB1EPH Chris Kinnear  
 KD7EWN Benjamin J. Dolle  
 KD7EWS Scott Hudson  
 WJ7F Bob Ryno  
 KD7FDP Dwain Judah  
 KD7FE John Gifford  
 KD7FEK Paul R. Emerson  
 W7FMJ Newton Brumbach  
 KD7FMQ Bryan J. Fazzari  
 KJ7FP Zeke Yewdall

KJ7KJ Gordon Reynolds Sr  
 KI7KK Robert Thoreson  
 KC7KOX Sherry Pence  
 N7KXK Helen Fitzpatrick  
 KD7L Gary D. Pirkkala  
 N7LAQ Carolyn Yewdall  
 W7LBK Earl Hawley  
 KC7LBM Dan Penny II  
 KC7LBY Dan Penny  
 N7LKG Bill Korfhage  
 W7 LKR Geroge Fitzpatrick  
 N7LMA Bob Phillips  
 N7LMD Wayne Hamilton  
 N7LVO Neil P. Gallup  
 KA5LXG Flathead Valley Repeater  
 KC7LYT Sam Fleming  
 KC7MDX John Hopkins  
 WA7MJB Michael Brewer  
 K7MM Dan Ransom  
 KC7MXO Eric Grenseman  
 KK7MYMichael Mattoon  
 KC7NGD Carol Heden

**Continued Page 3 - See Membership**

### *JOIN KBARA/Renew Membership*

All licensed amateur radio operators are welcome to use this open repeater system. Your support would also be greatly appreciated.

TO SUPPORT KBARA SEND YOUR CONTRIBUTIONS TO:

KBARA  
 P.O. Box 18575  
 SPOKANE, WA 99228-8575

NAME(S) \_\_\_\_\_ CALL SIGN(S) \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY/STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TELEPHONE \_\_\_\_\_ AMOUNT PAID \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_ ARRL MEMBER? \_\_\_\_\_

NEW SPONSOR    RENEWING SPONSOR    INDIVIDUAL SPONSOR    FAMILY SPONSOR

Support is \$15.00 per year for individuals, \$20.00 for family sponsorship (all must be living at the same address). Dues are due January of each year. Dues paid during the last quarter (after September 1) will apply through the entire following



## Membership

KB7BJX David A. Bergman  
KB7BKS Susan Patterson  
KD7BLB Joshua Fancher  
KD7BLC Jon Joshua  
KD7BRB Albert O. Redwine  
KC7BVO Merrilou Harrison  
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W7COZ Cowan A. William  
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N7DAS Jim Morse  
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KD7DEB Debi Grenseman  
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KD7DMR Eugene Carvalho  
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W7DOE James McCormick-Barger  
N6DOI Harold A. Larsen  
N7DRA Julius 'Bozo' Bosold  
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AA7YJ William A. Sullivan  
KC7RQF Charlene E. Davis  
K7YN Dennis B. Dolle  
KC7RTW Jean Webber  
N7YYU Ron Pearson  
KG7SD Richard Thorton  
WB7SHL Roger Eckhardt  
K7SSK Fred Johnson  
KA7SUZ JoAnn Gemmrig  
KC7TAV John Morgan  
N7TWR Steven T. Henderson  
W7UB Don Grenseman  
KB7ULC Ken D. Russell  
KC7VAJ Bonnie J. Phillips  
KC7VGS Roxanne Kassner  
W7VWV Dean Simmons  
KC7WHW Dave Pettis  
KC7WQE Vicki Morgan  
KB7WRT David Pence  
KC7WXJ Dave Sellers

KB4FRB Linda Pierson  
KD7FYE Kenneth L. Lindahl Jr.  
KD7FYR Kenneth J. Elliston  
KC7FYU James J. Clark  
N7GCW Edison Shaw  
KC7GFL John Lanier  
N7GJA Sam Dietz  
KB7GJY Allen Gemmrig  
KC7GKY Joseph French  
W7GLN Glen F. Kenoyer  
KA7GOB Jon Weers  
KC7GPB Eli Yewdall  
KB7HFI Eugene Smith  
KC7HFI Bob Lemon  
WA6HSL Eugene Christianson  
N7IIS Donna Eckhardt  
W9IIT Arthur R. Vogt  
KA7TWO Lylas Blair  
KA7TWP Dale Blair  
KC7JAM Jerry Cook  
KL7JBI James Rhodes  
N7JGQ Clint White  
N7JGZ Walter Yewdall  
W7JHS Cormac Thompson, Jr.  
KB7JOR Kathleen Stewart  
NL7KA Dorothy Rhodes  
KC7KIQ Leonard Gross  
KC7ZEB Richard E. Albertson  
KB7QVP Ben W. Smead  
WA7YCP Karl Shoemaker  
W7ROL Reginald Hoskin  
KB7YLO Alma J. Vogt  
KC6RTB Ted Matsumura  
KJ7YX Scott Lasater  
KC7SCF Lee Pearson  
KB7ZEL Marvinina Rhodes  
N7ZJN Paul Rush  
N7ZJY Sally L. Casey  
KC7ZMA Jerome Lanier  
KC7ZZR Mary Barber  
KB7TYS Olen Simmons  
VE6UE Joel Mitton  
KE7UM Jeffery McCarrey  
KB7VBY Patrick O'Dea  
KF7VH Pat Brandt  
KC7WFE Gary T. Glatt  
N6WIZ Richard L. Thompson  
N7WRQ Elizabeth Ashleman  
KB7WTN Barbara J. Moore  
K0WZA Donald J. La Favor

KB7NLG Frank Warner  
KB7NMH Glenda Warner  
KC7NOA Michael J.D. Durkin  
WB7NZL Kenneth L. Lindahl  
WB7OAF Victor L. Bolstad  
VE7OBD Dayle D. Backus  
AB7OC Michael E. Califf Sr  
W7OE John P. Dempster  
KB7OLC Ken Russel  
W7OPR Ronald R. Kimm  
KC7OQR Cathie Hebel  
KC7OQS George Hebel  
KC7ORO Denise Hebel  
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KA5PER Brad Kasper  
AB7PI Garry E. Heden  
KC7PJA Michael W. Mcveigh  
KC7PJB Marjorie Mcveigh  
KC7PJE Walter A. Davis  
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N7PQT Mike Fenske  
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KC7QDR Robert E. Orr  
KB7QEM Margaret Strerath  
KC7QGV Mary Beth Snyder  
KK7QT Kirt Salisbury  
N7XTS Dave Strerath  
KB7RGT Steve Harrison  
KC7YKB Becky A. Cossey  
KC7RRY Sharlene Moore  
N7YRN Warren H. Westerman  
WB7RXX Vern Edwards  
WA5ZAY Jack Babbitt Sr  
KC7TAY Mary Morgan  
K7TMF Charles R. Hill  
W7TNT Jim S. May  
VE7TST Janice McNeil  
KC7TTY Norm Luscher  
KC7TZE Ralph I. Hamilton  
W7UJ Ed Crossy  
N7UTM Dennis Coe  
KC7VFO Alvis H. Roberts  
N7VQH Chris Coates  
KC7WFF Patsy Glatt  
KC7WLP Peggy Pettis  
N7WRR James Ashleman  
KB7WTO Royal Moore  
KI7XK Ron F. Snider

**Oliver Repeater Update** - The Oliver Amateur Radio Club has removed the 220 MHz link radio and antennae from Baldy as a result of a poor path and poor quality of audio both ways on the link. Oliver hopes to find another alternative, perhaps a better quality antennae, or move the equipment to Trail, B.C. on Granite Mtn. for testing. Unfortunately, these plans are on hold until next year, as the mountain tops up here are now snowed in. We will keep you posted on events in this regard as they take place. Thank you, Roy, VE7DTT and Jan, VE7TST







