

QSP

FEBRUARY 1981 VOL.12 No.2

WD4ADB/R
WR4AKV
WR4YRW/R
WA4KLW/R



THE N5MS "DRINK-A-TALKIE" EXCLUSIVE

COLLECTOR AND EMITTER CONSTRUCTION ARTICLE (OR How to Join the Chivas Generation)

Upon gazing upon the outside of my new Motorola HT-220 Potable (er, Portable) radio, one might come to the conclusion that all one needs to do to make it operate is just grab it up, twist the knobs and ker-chunk the local repeater. However this is the first radio that I have ever seen that works best when the antenna is taken off! For a complete demonstration, please refer to the pictures... Just screw off the rubber drunk (ahh, make that ducky) antenna and this intrepid radio offers immediate access to 200 ml of your favorite beverage. Wow! Talk about undercover, this radio is ideal for those long lonely nights on surveillance when you find yourself beginning to establish a meaningful relationship with the mobile charger.

But as K5JB says, "I don't drink as a rule, but more as a habit." Besides, it is always easier to get the conversational ball rolling when you pour a friend a high ball out of your radio. The radio is great for those cold foot ball games when the guards at the door of the stadium cast a suspicious eye toward any container containing liquid. Hey Buddy, this is just my radio! Nothing dangerous here. I know it gurgles when you shake it, but shucks thats because I dropped it in a puddle last night. I'm going to dry it out during the game.

Actually, the genesis of this construction project came from K5HMD who told me many years ago about an HT-200 that Squeak, a friend of his from LasVegas, had duded up to carry liquids. Now I think that a Motorola HT-200 would probably hold a good half pint. I am a cheap drunk and wanted to update Squeak's radio to a HT-200. Years of scrounging in the flea market had left me with a clear excess of HT case parts. In addition Dean and Bruce came down and provided me with some scrap plastic they had left over after converting some radios from short length to PL length. I spent considerable time hollowing out a omni case sleeve before I decided to build up only a slim-line flask. I already have a couple of omis with radios in them.

The first detail was to rub and scrub the inside of the parts clean. Then I began to apply a couple coats of RTV cement to the inside of the case parts to act as a "bladder" for the liquid. Incidentally, I used



NEW MOTOROLA POTABLE "Drink-A-Talkie" operation is demonstrated in above photograph. Not absence of Rubber Drunkie antenna. Radio actually works better without antenna!

remote speaker parts so I would not have to worry about sealing the speaker hole. This could be easily done by cutting a circular piece of plexiglass and gluing it across the speaker hole.

I then removed the battery charging clips from the bottom of the radio and sealed the holes with more RTV. I would generally let the parts dry for a half a day or so before proceeding to the next coat. RTV (Room Temperature Vulcanizing) is essentially an inert silicon glue when it dries. The distinctive odor it gives off while drying is nothing more than acetic acid (vinegar in your block). Upon experimentation, I have found that scotch will slightly dissolve the lexan plastic of the distinctive blue Motorola case parts. The solution is to only put liquid in the radio when you intend to use it and be sure to coat as much of the plastic with RTV as possible when assembling the radio. I glued some screws where the volume control and squelch adjust would be, then covered the inside with RTV. I used regular Motorola knobs and cut the screws to length.

In the credit where credit is due department, I want to thank Brad Hackler of the Backyard Racing Association for the accompanying photos.....

Michael Salem N5MS

Ed note: It's easy to figure out that I'm a fan of N5MS...and enjoy everything he contributes to the Central Oklahoma Radio Amateurs collector and Emitter. Hope TBRA readers will enjoy his latest..

Published by the TAMPA BAY REPEATER ASSOCIATION INCORPORATED
P.O. BOX 24671 TAMPA, FLORIDA 33623

OFFICERS

President Willard Silva N4ARM
Vice-Pres. George Cave W4KDX
Secretary Les Heitlinger K4KBK
Treasurer Mike Richman W8ADZ

BOARD MEMBERS

Henry Menkemeyer KC4BJ
Harvey Wittner KA4BEF
Alan Winslow W4POP
Mike McIntosh WB4YRW

NET CONTROL

Tom Tate WD4APL

PUBLIC SERVICE

Alan Winslow W4POP

PUBLIC RELATIONS

Conrad Kibler WB4ARS

EMERGENCY DIRECTOR

Larry Gispert KR4X

F.G.C.A.R.C.

Tom Goodwin W2JTK
Willard Silva N4ARM

TBRA NET: THURSDAYS - 7:30P.M. 146.16/76

Meetings: Second Tuesday each month.

146.16-.76 WD4ADB/R

Robert Kitzmiller/WD4ADB TBC
Larry Gispert/KR4X EC
Wade Herman/W4WWW EC
Butch Howard/WB4EKP C
Ed Paremske/WB4FGQ C

146.37-.97 WR4AKV

Bill Dudley/WA4IBM TBC
Doc Sloan/K4IXB EC
Craig Knight/WB4CKC EC
Terry Williams/WA4AIE EC
Rick Anson/WA4VAR C
Emmett West/WA4AKH C

147.705-.105 WB4YRW/R

Mike McIntosh/WB4YRW TBC
Ray Allen/WB4KQU EC
Steve Jenkins/WB4LHM C
Vance Vogel/W4OVE C

146.19-.79 WA4KLW/R

Bernie Glassen/WA4KLW TEC

QSP STAFF

Helen deGrandcourt/W4HZY Editor
Wayne Kocher/WA4IQZ Business Manager
Doug McPherson/WA4COO Circulation
Ed Conroy/KA4DIA Printing
Lee Conroy Mailing
QSP Phone: 813 834-5481

BOSS

MUFFIN FANS FOR SALE

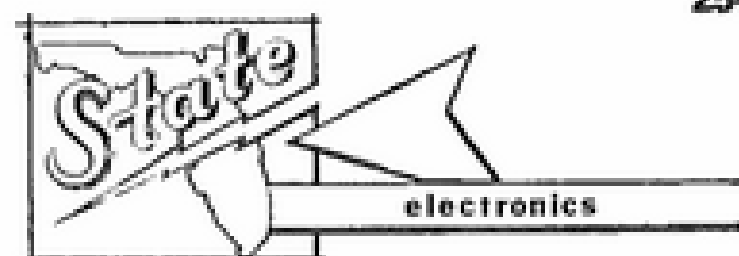
\$8.00

Removed from used equipment
with connector
(sales tax included)

BOSS (813) 886-8321

W
A
4
C
O
O

PHONE
254-8812



2304 GRAY STREET TAMPA, FLORIDA 33609

SOUND SYSTEMS • INTERCOMS • 2 WAY RADIO
MARINE RADIO TELEPHONES • DEPTH RECORDER
NORBERT G. BEIRO, ELECTRONIC CONSULTANT
WA4RAY

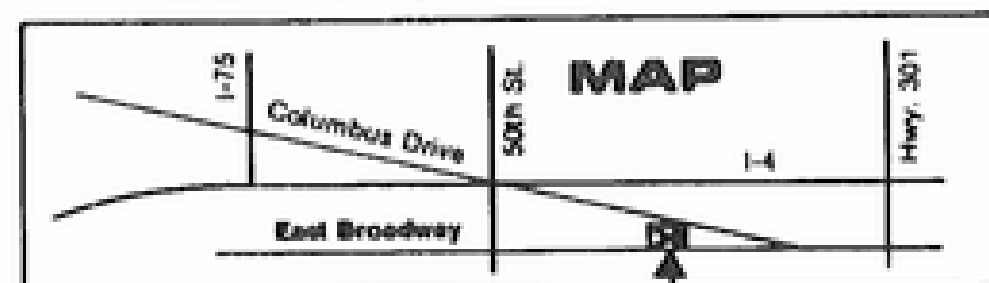
870-0999

Kathy Jones
REPRESENTATIVE

4511 S. Dale Mabry • Tampa, FL 33611

GULLINESE ELECTRONICS

BUY, SELL, SWAP
ELEC. RONIC PARTS & EQUIPMENT



Owner: J. W. Gullinese
Tel. 621-3282

6220 E. Broadway
Tampa, Florida 33619



ARRL MEMBERSHIP UP FOR RENEWAL?
NEW MEMBER?

SEND YOUR \$18.00 AND
APPLICATION OR RENEWAL NOTICE

To: TBRA

P.O. BOX 2812
TAMPA, FL. 33601

TBRA CAN RETAIN \$1.50 FOR TREASURY

BE A QSP ADVERTISER

1/2 PAGE AD*****\$100.00
1/4 PAGE AD*****\$ 50.00
1/4 BUSINESS CARD AD***\$ 25.00

SELL & SWAP ADS

FREE TO TBRA MEMBERS

SMALL FEE FOR NON-MEMBERS

Call Clark/WA4DLL - 988-0125

BOARDmeeting

January 6, 1981 at Red Cross Headquarters

Meeting called to order by President W4OJD at 9:30 P.M.

Minutes of previous meeting were approved without correction.

Treasurers report \$1589.62 accepted as read.

Two letters to the Board from K4YSN were read. As requested, K4YSN's membership dues are being refunded by unanimous consent.

Engineering reports 16/76 repeater is working fine, up to specs. Largo machine ditto. East Bay machine is down for repairs.

WB4YRW/Mike was elected chairman by members of the Board.

Moved by KA4EEF, seconded by W8ADZ that membership invite KR4X and XYL, and Tom Franklin and XYL to be guests at the annual Banquet. Passed unanimously.

After some discussion about future club activities the meeting was adjourned at 9:07 P.M.

Respectfully Submitted,
Les Heitlinger/K4KBK Sec'y

WELCOME TO THE NEW MEMBERS:

KY4C/David Mentzer
KA4ONI/Tim McAchran
KA4KWE/Jerry Rogers

DUE TO EXPIRE: Jim Adams, Walter Olney, Paul Marino, Tom Abernathy, Larry Estes, David Sloan, Michael Karl, Bill Sexton, Fred Brunjes, R.L. Jackson, Clyde Grear, Warren Rachels, Richard Pierz, Al Gilbert.

EXPIRED: Bob Schappert, Jim Harris, Tom Cobb, Bob Hood, Jim Retallick, Jim Walworth, Cal Friedrich, Ed Leddy, Tom Anderson, Rick Fortner, Ed Brostek, Ken Ongemach, Bob C. Spruns, Barton Whisler, Skip Segall, Bill Penhallegon, Jim Cook, Dave Close, John Rice.

This is as of January 21st 1981.

Michael Richman/W8ADZ Treas.

Income Tax Returns
MICHAEL B. RICHMAN
Certified Public Accountant
W8ADZ

8717 COBBLESTONE DRIVE
TAMPA, FLORIDA 33615

TELEPHONE
885-1789

WHAT'S WRONG WITH THE METRIC SYSTEM? MAY '73

By Linda Saunders/W4HKP

We're already using kilocycles (or kilohertz) in radio and the decimal in our money. Why not go all the way and use the entire Metric system? Can you imagine ordering a part for something and realizing you couldn't fit a part in Metric measurement into a spot made for inches or feet, or the other way around? Is it really harder to change everything to Metric, or to have things universal, and therefore easy?

If you want to go to extremes, use the Centigrade thermometer, or Kelvin. Zero° Kelvin is "absolute zero", 273° below zero Centigrade.

A relative, knowing of my enthusiasm got me a liter jar, tape in centimeters and inches, gram scales and gram weights.

I've heard that California school children will start on it in 1976.

AUGUST 1979

Some of you may recall my article in the May '73 issue. If you wonder if I still want to go to Metric, consider the following: I ordered Metric rulers, scales, and a measuring tape ...FROM LONDON. I am blind and some of these I haven't been able to get in this country, to my knowledge. However, there is an outfit in Pennsylvania from which I'm getting a clinical Celsius thermometer. I had to write to former president Ford, telling him how glad I was that he signed the Metric legislation; he answered me, too. I want to go Metric yesterday. (Yes, you read right.)

More of Linda's writings on the Metric System will appear in the March issue. ed.

TBRA AUCTION IS PLANNED FOR THE JUNE MEETING. START SAVING THE GOODIES!!!!



SPECIAL HIGH POWER "gurgle" modulation operation of "Drink-A-Talkie"

A NEW PAIR OF BOOTIES UNDER THE TABLE as ye ed welcomes 10th Grandchild. Chad Martin arrived Jan.23, moving QSP closeout to ???

PRESIDENT'S MESSAGE

I regret missing the banquet on the 17th, but a prior commitment with the Naval Reserve for two weeks had me enroute to New Orleans. I know that George/W4KDX did an outstanding job at the banquet. Since the elections many individuals have been hounding me with problems and an occasional solution. Most of the problems have been the repeater. Please bear with Robert/WD4ADB, as he and the committee work out the problems. The biggest problem has been the auto-patch and most of the solutions are in our rigs. A little adjustment and you will have no problems. Robert has indicated that he will try to get the necessary equipment and see what can be done with our rigs at the February meeting.

We are looking for a storage place for the auction supplies. Ed/WB4PGQ states he can no longer store all the stuff. It is all boxed up and needs a space about 4x4. If any of you can store it, please contact Ed.

Larry/KR4X is reorganizing RACES. If you are interested in getting involved, call Larry at the Office of Emergency Preparedness, the old CD, at 223-1611.

See you all at the meeting. 73,
Willard/N4ARM

FOR YOUR RECORDS..... TBRA has a new address. Mail checks for dues to: Box 24671 Tampa, Fl. 33623.



WHEN February 10, 1981 - 7:30 P.M.

WHERE Red Cross Headquarters
217 North Howard Ave.
Upstairs- Safety Service Classroom.

PROGRAM TO BE ANNOUNCED

THANK YOU....TBRA DECEMBER NET CONTROLS....
WD4APL/Tom and WA4VKJ/Zeb.
Zeb was net control on Christmas day. A special Thank You for that.

XYL in reference to the operation of the rubber duckie with the new 16/76.....
... that little wiggly thing can't get out of the kitchen..... any guesses on WHO said it???

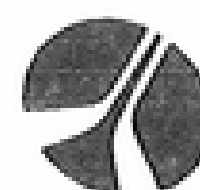


RAY'S AMATEUR RADIO

1590 US HWY 19 SOUTH
CLEARWATER, FLA. 33516



- DRAKE • ICOM • SWAN • WILSON • KDK • AMCOM •
- ALDA • LARSEN • MICROWAVE MODULES • TONA •
- DSI • AMECO • HUSTLER • MFJ • CUSHCRAFT •
- HYGAIN • MOSLEY • TAYLOR • CDE • FINCO •
- VALOR • ANTLER • BIRD • B&W • ROHN • ALPHA •
- TELE-TOWER • TEN-TEC • DENTRON • VOMAX •
- AVANTI • BELCHER • CES • KANTRONICS •
- MIRAGE • PALOMAR • VIBROPLEX • INFO-TECH •



Rockwell-Collins

OMNI



YAESU



DRAKE

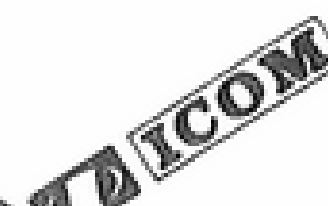
YOUR COMPLETE AMATEUR RADIO STORE

* OUR FINE REPUTATION SPEAKS FOR ITSELF *

ROBOT



KENWOOD



DENTRON

Call or write for
your super quote today!

535-1416

ASK FOR JOE, JERRY OR

RAY LETTRE W4DSV
N.N.N.Ø.P.W.U.

FOR SALE: Sub-miniature ear piece and microphone with external plug.

2 ft. wide- 4 ft. by 8 ft. operating table with additional 2 ft. by 4 ft. elevated shelf made of 1 in. plywood. For sale for cost of plywood.

2 Model 15 teletypes ... 1 page printer and 1 tape perforator and printer... TD and TU.. set up for low band operation with tapes and rolls, manual, additional literature and accessories. Call Ed. 839-0252.

FOR TBRA KITTY: 3 Califone head sets with adjustable volume and microphone with dual phone plug. List price 55.00 .. pre-auction price \$15.00 each. Call Ed/WB4FGQ

FOR SALE:

TELEPHONE TYPE INTERCOM...PAIR WALL MOUNTS AND POWER SUPPLY.... HURRY CALL ED AND TELL HIM YOU'LL TAKE IT FOR \$15.00. 839-0252 EVE.

TBRA HAS THREE HEADSET-MICROPHONE combinations with phone plug attachments, volume control earphone. RETAIL PRICE \$65.00. There are three available for \$20.00 each. First come first served. Call ED--839-0252 eves. (Pre-auction advance notice)

HERE IS A STORY FOR YOU

One night Harold C. Waite, 19 year old from Temple Terrace was mugged by three degenerate juveniles.

Harold was in the hospital for 12 weeks. The first five weeks he was unconscious.

The hospital and doctors' bills will run about \$100,000.

Harold is still recovering from the attack.

Can you take a Raffle Ticket on either a 19 inch Color TV or Stereo? (you may choose the one you want.) If not could you send a donation to the The Harold C. Waite Fund?

Tampa Federal Savings and Loan
9400 N. 56th Street
Temple Terrace, Fla. 33617

to help Harold and his parents pay the bills from the attack.

Any I.B.R.A. member wishing to help sale Raffle tickets for this cause should contact Clark J. Evans WA4DLL at 9880175

**YOUR EXPIRATION DATE
IS
ON YOUR MAILING LABEL**



FENDER BENDER
AUTO SHOPS, INC.

WA4VRP
Lou Ryan



WD4EFM
Tom Cobb

Specializing In:

 Imron Polyurethane Paint 
For That Beautiful New Car Look!

Professional Body Work • Gas-Saving Tune-Ups
Frame Repair • Brakes • Air Conditioning

3237 Tyrone Boulevard, St. Petersburg, Florida 33710
Telephone (813) 384-4321

2

TBRA T-SHIRTS LEFT

One Medium-One Large

FREE

Call:

Alltype Printing

6636 HANLEY RD. • TAMPA, FL 33614

PHONE: 886-6281



USE
AMATEUR RADIO
FOR
PUBLIC SERVICE

ADDRESS CORRECTION REQUESTED

RETURN POSTAGE GUARANTEED

BULK RATE
U.S. POSTAGE
PAID
TAMPA, FLORIDA
PERMIT NO. 1656



OSP HEADQUARTERS
H. deGRANDCOURT WHIZY-Ed.
3909 ROGERS AVE.
TAMPA, FL. 33611

Incredible super BIG Sale

We accept



BIG SAVINGS!

avant antennas

HUSTLER INC.

MFJ



Beancat®

COME SEE US

PHONE

835-0881

Cushcraft 1980 **callbooks**

TELEX hy-gain

TELEX COMMUNICATIONS, INC.

Larsen's **BW**

BIRD

Electronic Radio

3009 BARCELONA ST.