

January 1994



## *Di-Dah-Dit*

The Official Newsletter of the Parkersburg Amateur Radio Klub  
P. O. Box 2112 Parkersburg, WV 26101

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### THE 1994 LICENSE CLASSES ARE HERE!!

The 1994 license classes will be starting January 19th, at 7:00 PM. We will be meeting for 12 weeks upstairs at the American Red Cross building, 8th & Market St. There will be a \$10.00 fee for the novice/technician class. This fee covers the code tapes, plus the first years membership in P.A.R.K. We will also have the Novice/Technician book, "Now You're Talking" for \$11.40. The instructor for Novice/Technician will be Roy (N8YYS).

There will also be an upgrade theory class, taught by Carl (K8OWL). Carl prefers to teach from the ARRL books, which must be supplied by the individual student. There is no fee for the upgrade class, as we figure you are already a member of the Klub and have paid your dues. These classes are open to anyone, we do not demand Klub membership.

The culmination of the class is an ARRL/VEC test session on the 5th of April. In the past, all levels of theory and code examination have been offered on a walk in basis.

### QUICK TICKET ?

The FCC has proposed a measure which would grant temporary operating authority to unlicensed persons who have passed their tests for new amateur tickets. The temporary operating authority would be granted when the test is passed and would last up to 120 days.

This operating authority would not benefit anyone whose license has been suspended or revoked. The FCC retains the right to cancel this right at any time without a hearing.

The FCC says the system would be useful and easy to implement. The proposal, designated P.R. Docket 93-267 will be decided early this year. TNX W5YI Report 11/12/93

NOTE I think that this would be almost impossible to police and all types of people would be on the bands. I have heard from other sources that you will be able to make your own call, Just call me "shotgun" good buddy.  
(K8NJW)

#### Klub Officers for 1993-94 PARK

President - Rory Hughes KB6MDN

1st VP- Roy Maul N8YYS

2nd VP- John McGuffey N8NBL

3rd VP- Earl Hulce KB6HRG

Sec. - Tom Jones N8NMA

Tres. - Jane McGuffey N8MOW

NL Eds- Jerry KA8NJW

Russ N8FID

Prod./mailing- Mary Britton KB6BOA

# Rory's Corner

The Christmas party was a great success with a wonderful time had by all. There was plenty of ham and turkey and, of course, all the fine fix-ins. Also an entire table full of delectable deserts. Thank you to one and all who brought the delightful foods.

The entertainment was excellent as well. Ben Auville accompanied the P.A.R.K. Carollers with his great sounding trumpet. Clorissa Marshall, a piano student of Jane McGuffey's, was gracious enough to play the piano during dinner. Thank you Clorissa. The children honored us with a few carols and then Connie Hamilton sang "O Holy Night" beautifully. Of course Santa (N8NBL) stopped by to deliver gifts and talk with the children. The lucky guy who won the raffle for the groceries was Jim Peterson and several P.A.R.K. members will eat and bowl for their participation in the sale of tickets.

I personally would like to thank Laura Deem, Georgia and John Milhoan, Irene Fouse and Mary Britton for the decorations and setup of the tables and chairs, a very big job. Also thanks to everyone who helped with the planning and aquisition of the food, a very important job. Also I'd like to acknowledge and thank Bonanza, Western Sizzlin, Shoneys and Emerson Bowling Lanes for their gifts. I would like to thank everyone who sold raffle tickets as the raffle was a great success. Thanks also to Lynn Palmer, Jane McGuffey and Mary Britton for doing a superb job handling the raffle. Dave Thompson was kind enough to set up a very nice 2 Meter station for talk-in assistance. Thank you Dave. Also a big thank you goes out to Curt Fouse and Mike Wade for building the Ham of the Year Award plaque. They did a fine job.

To everyone who opened up, closed up, picked up, called up, cleaned up and literally made the Christmas party a wonderful time, I thank you all and you all are very much appreciated.

Congratulations to John McGuffey for being presented with the Ham of the Year Award. He certainly has done a great deal for Ham Radio and the Parkersburg Amateur Radio Klub.

Welcome to Tim Smith and Larry Dale, whom we are fortunate enough to have taking care of the VE team, a position formerly held by Curt Fouse. Thank you, Curt, you will be a tough act to follow.

Blaine Auville and Larry Dale were appointed committee members to research the purchase of orange communication vests. Mary Britton and Linda Thompson were appointed committee members to research the purchase of materials to make the orange communication vests.

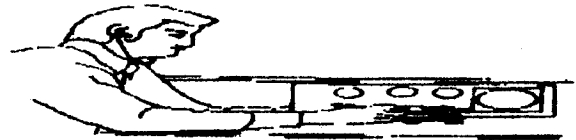
The 2nd reading of Charlie Duncan's application for membership was read and voted on. We welcome Charlie to P.A.R.K.  
73's Rory - KB8MDN

## RULES CHANGE: NO BIG DEAL

So far the concensus is there has been no significant change in amateur activity in the wake of the FCC's recent "Relaxing Restrictions on the Scope of Permissible Communications in the Amateur Service."

The new Part 97 Rules went into effect on September 13, permitting limited business communications on the ham bands.

Under the Relaxed Rules, hams can now make appointments, give weather report information to the National Weather Service, and order food. Fears that the VHF bands would become a pizza ordering service so far appear half-baked. TNX W5YI Report, 10/1/93



## HAM OF THE YEAR

The Ham of the Year was named during the Christmas Dinner/December meeting. The winner for this year was selected for his excellent work promoting Ham Radio by example and his unchallenged fund raising ability on behalf of the KLUB. The winner is (DRUM ROLL PLEASE) John McGuffey, N8NBL.



Klub/ARES Net on  
146.970  
Tuesday's at 9 p.m.  
Valley Girls Net  
146.970  
Thursday's at 9 p.m.

# ARRL MEMBERSHIP

The Klub can retain \$2.00 of every renewal membership and \$5.00 for every new membership in the ARRL

Klub members must fill out the ARRL application and make their check out to the Parkersburg Amateur Radio Klub. The Klub treasurer will then send a check to the ARRL for the amount of the dues, minus the rebate.

Following are the membership fees:

Regular Membership	Senior Membership
1 year -- \$30.00	1 year -- \$24.00
2 years -- \$57.00	2 years -- \$45.00
3 years -- \$80.00	3 years -- \$65.00

PS The Klub needs to have 51% membership in the ARRL to remain a member of this organization.

## 1994 PARK Membership Dues

Single Membership at \$16.00

Name

Call

Family Membership at \$24.00

Name

Call

Please fill out the form and send it with your dues. You will receive a membership card as your receipt of payment. It will be mailed in the next newsletter.

# AREA REPEATERS

146.970- Pkg.  
147.390+ Pkg.  
147.255+ Pkg.wx nets  
146.745- Pkg.  
147.360+ Pkg. (not active)  
145.490- Pkg.  
147.000+ wirt county  
146.880- Marietta  
147.030+ Ben's Run  
St. Marys Area  
146.985- New Martinsville  
147.300+ Harrisville  
146.685- Clarksburg  
146.670- Ravenswood

146.775- Elkins  
145.390- Weston  
145.290- Glennville  
145.270- Cregsville  
146.625- Athens Link  
within OH  
147.150+ Athens  
145.150- Athens  
145.210- St. Clairsville  
To N. Panhandle  
145.410- Scott's Depot  
Charleston  
146.085- Cambridge  
Buckhannon On same Freq.  
use caution

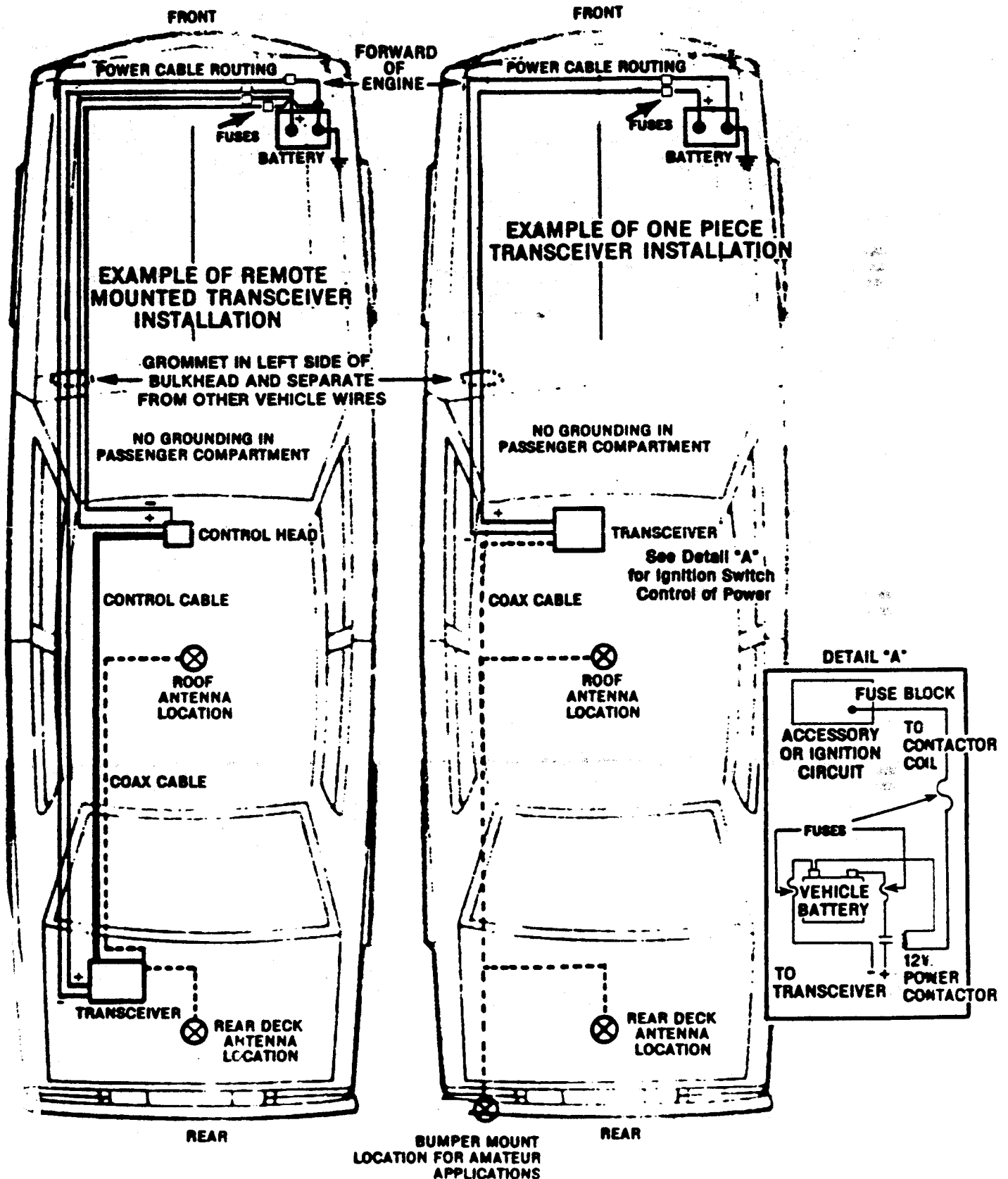
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Parkersburg Amateur Radio Klub  
P. O. Box 2112  
Parkersburg, WV 26101



93 KA8NJW  
Jerry Wharton  
1722 20th St.  
Parkersburg WV  
26101

# TRANSCEIVER INSTALLATIONS



# **INSTALLATION GUIDELINE** (refer to the enclosed figures during installation)

## **1. Transmitter Location**

- A Locate transceiver for remote radios on driver's side of trunk as near to the vehicle body side as possible
- B One piece transceivers should be mounted under dash or on transmission hump where they will not interfere with vehicle controls or passenger movement

## **2. Antenna Installation**

- A The antenna should be a permanent-mount type located in the center of the roof or center of the rear deck lid. Glass mounted antennas should be kept as high as possible in the center of the rear window or windshield. If a magnetic-mount antenna must be used, care should be taken to mount the antenna in the same location as a permanent mount type. If a disguise-mount antenna is used, great care should be taken to shield the tuning network from vehicle electronics and wiring, or to mount the tuning network in an area completely clear of vehicle electronics and wiring.
- B Each vehicle model and body style reacts to radio frequency energy differently. When dealing with an unfamiliar vehicle, it is suggested that a magnetic-mount antenna be used to check the proposed antenna location for unwanted effects on the vehicle. Antenna location is a major factor in these effects.

## **3. Antenna Cable Routing**

- A Always use a high quality coax (at least 95% shield coverage) routed away from the Engine Control Module (ECM) and other electronics modules.
- B Care should be taken to avoid routing feedline with any vehicle wiring.

## **4. Antenna Tuning**

- A It is important that the antenna be tuned properly and reflected power be kept to a minimum (VSWR < 2.1).

## **5. Radio Wiring and Connection Locations**

- A Transceiver Power Leads  
These connections should be made directly to the battery itself, including the ground, or to the jump start block on vehicles so equipped. The transceiver power leads should be #10 AWG wire or larger, twisted if possible. The ground wire should not be attached to the body at any point. Appropriate in-line fuses for both the positive and ground leads should be located as near the battery as possible.

### **NOTE:**

It is recommended that a fuse be placed in the transceiver ground lead to prevent possible damage to the transceiver, in the event the battery to engine-block ground is inadvertently disconnected.

For ONE-PIECE TRANSCEIVERS where ignition switch control is desired, a 12 v power contactor must be installed in the transceiver positive lead. The contactor should be located at the vehicle battery with the coil of the contactor driven through an appropriate in-line fuse from an available accessory circuit or ignition circuit, not powered during cranking. The coil of the contactor must return to battery negative.

## **B Handset or Control Unit Battery and Ground**

Any ground lead from a handset or control unit must return to battery negative. It is preferable that the positive lead for a handset or control unit be connected directly to the battery. It is recommended that the handset or control unit positive and ground leads be appropriately fused separately from the transceiver positive and ground leads. If ignition switch control is desired, the handset or control unit positive lead may be connected through an appropriate in-line fuse to an available accessory circuit or ignition circuit, not powered during cranking.

## **C Connections for Multiple Transceivers and Receivers**

If multiple transceivers or receivers are to be installed in the vehicle, power leads to the trunk or under dash should be terminated in covered insulated buss bars. All transceivers or receivers may then have their power leads connected to the buss bars. This makes a neater installation and reduces the number of wires running to vehicle underhood.

## **6. Wire Routing**

- A The power leads should be brought through a grommet on the driver's side firewall. For trunk-mounted transceivers, the cables should continue on along the driver's side door sills, under the rear seat and into the trunk through the rear bulkhead. If the battery is located on the passenger side, battery leads should cross the vehicle in front of the engine. All attempts should be made to maintain as much distance as possible between radio power leads and vehicle electronic modules and wiring.
- B For police vehicles, radio power leads should be routed in the conduit provided with the option package.

## **7. Troubleshooting**

- A Should vehicle problems develop following installation, the source of the problem should be determined prior to further operation of the vehicle.
- B Possible causes of vehicle problems include:
  1. Power leads connected to points other than the battery
  2. Antenna location
  3. Transceiver wiring located too close to vehicle electronic modules or wiring
  4. Poor shielding or poor connectors on antenna feedline

## **8. Contact and Feedback**

- A GM vehicles have been designed and extensively tested for immunity to known sources of RF energy. However, it is impossible to test every combination of RF sources and installations. If a persistent condition is encountered,

**WRITE TO:**  
**EMC DEPT. - MR**  
**BLDG 40**

**GENERAL MOTORS PROVING GROUND**  
**MILFORD, MICHIGAN 48042-2001**

## **Auxiliary Electrical Equipment GM Recommended Installation**

AC-Delco Side Terminal Adaptor Package 1846855, when combined with the longer battery bolt and spacer will provide the simple, tight, corrosion resistant connection illustrated. Parts can also be purchased at car dealerships.

Item	AC-DELCO Catalog 7A10	CAR DEALER "Parts" Book
Kit	1846855	1846855
Bolt	7803	12004188
Spacer	7804	12004185

