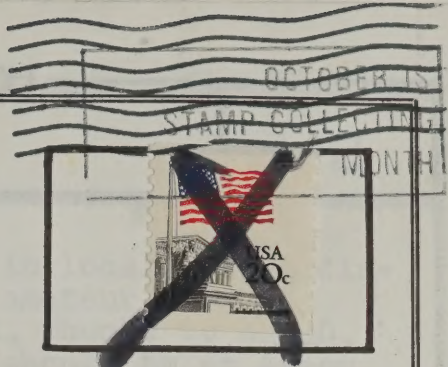
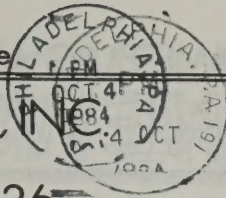


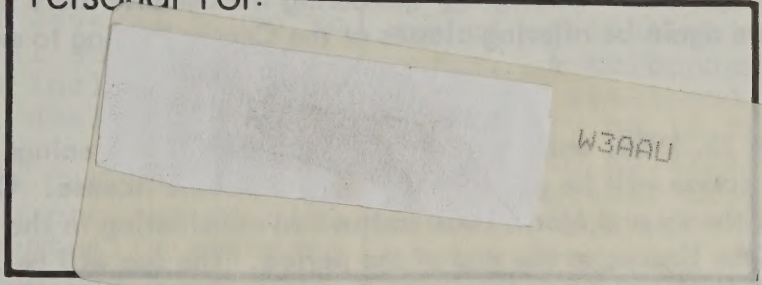
remove with care



HOLMESBURG AMATEUR RADIO CLUB,
(a non-profit corporation)
P.O. BOX 6253 ~ PHILADELPHIA, PA. 19136
(Affiliated with the West Link Radio Network, Inc.)

FIRST CLASS MAIL

Personal For:



NEWSLETTER

SEPTEMBER

1984

New Meeting Place! See Last Page!

The Newsletter is a publication of the Holmesburg Amateur Radio Club, Inc. Anything that is printed in this paper may be reprinted providing the proper credit is given.
Deadline for Articles: Delivered to the P.O.Box 6253 address by the 15th of each month.
Editor reserves the right to edit, reject, reduce, etc. all items to be published.

SUBSCRIPTION RATE: \$3.00 per year "BUY/SELL/TRADE/Etc.": FREE

1984 CLUB OFFICERS AND TRUSTEES

PRESIDENT:	KR1M-Steve Sosson	1 Year TRUSTEE:	WA3IFY-Jay Kuperman
VICE-PRES:	WA3AOP-Richard Sambenedetto	2 Year TRUSTEE:	WA3OQR-Charles Zeager
TREASURER:	KA3DNJ-Claire Kuperman	3 Year TRUSTEE:	W3QXT-Bill Soble
SECRETARY:	NONE	CLUB HISTORIAN:	Edith Rosner-W3AAU 645 Artwood Drive Phila., PA 19115

remove with care

AMATEUR RADIO CLASSES

The Jewish Community Center of Southern New Jersey in collaboration with Chaverim of Delaware Valley, the amateur group sponsoring the amateur radio station at the Center, will once again be offering classes at the Center leading to amateur radio licensure.

Starting October 25, 1984, and for ten consecutive Thursday evenings from 7:30 until 9:00 P.M., the course will be given leading to the novice license. Classes will include electronic theory and Morse code instruction culminating in the taking of the examination for the license at the end of the period. The fee will be \$10.00 for members and \$15.00 for non-members including study materials.

These successful classes will once again be given by instructors certified by the American Radio Relay League. Following completion of the novice course, the instructors will be offering continued up-grading courses leading to the general and advanced class licenses during the winter and spring sessions. This year, in line with the new policy of the Federal Communications Commission, the instructors have become official Volunteer Examiners and regular examinations leading to licensure will be given during the year as well as at the end of the classes. Dates and details concerning examinations will be announced when finalized.

Students may register for the novice course by writing the JCC at 2395 West Marlton Pike, Cherry Hill, New Jersey 08002, or by calling 609-662-8800, after September 4, 1984.

.....
HARC NEWSLETTER STAFF

Editor-in-Chief, Pressboy and General
Nag to Late Reporters -

MARK ROTHSTEIN, KC3JV

Layout, Typing & Circulation...etc.

CLAIRE KUPERMAN, KA3DN

Advertising Mavin-- JAY KUPERMAN, WA3IFY

THIS MONTH IN THE HARC NEWSLETTER

Chaverim AMATEUR RADIO CLASSES Pg. 1

Clair, KA3DNJ -- ARRL Convention Pg. 2

Dick, WB3EVY - Nuts, Bolts, and Other
Loose Things ----- Pg. 3

Paul, K3RBO -Some Thoughts on The
Repeater ----- Pg. 4&5

Mark, KC3JV-Economy ICOM Headset Pg. 6&7

MAP OF NEW MEETING PLACE--- Last Page

ARRL CONVENTION

Jay (WA3IFY) and I recently attended the National ARRL Convention in New York City. We arrived at the Hotel Penta on a rainy Saturday morning only to be told our room would not be ready until 1:00 p.m.

Since we now had several hours to spare, we visited all the interesting exhibits, which included ICOM, Kenwood and several small general distributors.

Every hour of the Convention day was filled in with a program special, geared to please practically everyone attending. They also had scheduled programs for the non-ham ladies that were very varied and interesting.

Since I had never been to Macy's I took off for awhile to explore this famous department store, while Jay sat in on another forum.

We attended the Grand Banquet on Saturday evening, where the guest of honor was Dr. Owen Garriott, W5LFL. Dr. Garriot stated that the improvement in equipment between 1973 when he flew a Skylab mission and 1983 made his operation possible. He expressed positive optimism that amateur radio would be part of future space operations.

Other happenings at the convention include the signing of the agreement between the League and the FCC where the League will become a Volunteer Examination Coordinator in all 13 districts. The agreement was signed at the FCC Forum by Larry Price, W4RA, League President and Robert Foosner, Chief of the Private Radio Bureau. The FCC will continue to deal severely with intentional interference and jamming.

The ARRL proposal for expansion of the phone bands on 75, 15 and 10 meters will become effective at 0001Z Sep. 1, 1984. Simplex autopatch requires a control operator regardless of the frequency used and the potential for abuse in this area is of great concern.

Also, the Commission is not going

to get involved in local zoning disputes regarding amateur radio.

And, I learned, thanks to N2ADD, that an antenna should be at least one-half wavelength above ground at the lowest frequency of operation in order to get a low angle of radiation. By ground, we mean the electrical ground against which the antenna works. A tribander 10 feet above a 20 story steel and concrete building would only be 10 feet above ground.

Mounting multiple antennas too close together compromises the performance of all of them. Unless you have a very long run, foam coax should not be used at HF frequencies. Use the best coax you can afford - preferably RG-213 MIL-Spec. Poorly attached fittings are the source of many problems. Care exercised here will pay off over the long run. Weatherproof all fittings used outdoors.

Many awards were given out at the Banquet, mostly to ARRL officers and directors. We met and talked to many familiar faces including Nate, N2ADD and Tony, K3UKW. The meal was delicious and the conversation stimulating.

Claire Kuperman, KA3DNJ

Wm. 'Bill' Pinkenson

WB2IOY

Pants Plus Inc.

302 Market Street • Philadelphia, PA 19106 • (215) 592-0257

NUTS. BOLTS AND OTHER LOOSE THINGS

Remember some time ago I wrote I didn't see a need for me to buy a computer? Well, I couldn't resist a super buy one day, so...

I can see now how easily it happens. You STOP in a store and as you ENTER there are all kinds of displays running programs and games. Colors so bright with sound and super GRAPHICS. They LET you play with the stuff all you want. After you're hooked on it you are an easy set-up for the sales pitch. FOR a small amount of INKEY\$ you can LOAD yourself down with all kinds of goodies. The BASIC outfit is, of course, the KEY board and from there you can SAVE by purchasing a package such as a disc drive, monitor and printer.

Paying for all this isn't too difficult. After making your selection you PRINT a LIST of items; add it all up; THEN GOTO the bank for some INKEY\$, RETURN to the store with cash in hand. With cash you might get a BREAK on the final price. Anxious to try the computer you RUN home only to be confronted by the XYL who, upon finding out how much you spent, becomes a CURSER! You look for a place to hide and GOSUB but she finds you anyway. Oh what a mistake you made. She turned into a real piece of HARDWARE and won't quit yelling about your stupidity.

You'd like to POKE her one but think better of it. It gets so bad you even PLOT some nasty deed to shut her up. She doesn't even PAUSE to catch her breath. NEXT time you won't LET her find out you spent that kind of INKEY\$. After all, you saved your extra money for this toy and she really has no INPUT on your toys.

But at the moment it's getting unbearable with the yelling and carrying on. What to do, what to do? Return the computer and have peace in the house once more? Guess you'll have to. But wait- one last try. Hit STOP!! Darned if it doesn't work. Now you can CLEAR SCREEN and ENTER the world of BITS & BYTES.

Tomorrow I'm going to buy the XYL a STRING of VARIABLES to wear. She'll love 'em.

73

Dick WB3EVY

AZDEN

**2-6-10 MTR & 440 MHZ
AND PCS-300 2M TALKIE**

We'll Beat Any Price in This Issue

**10 AMP Regulated Supply
10 AMP Continuous \$54.**

Service Manuals

**PCS 4000
\$9⁰⁰**

**300-3000
\$5⁰⁰ EACH**

Order 24 hours a day (215) 884-6010
N.P.S. Inc. WA3IFQ
1138 BOXWOOD RD. JENKINTOWN, PA. 19046



**C.E.S.
Touchtone
in a mike**

KEY PAD MIKE
\$65⁰⁰*

Stores 10 Phone Numbers
AUTO DIALER MIKE
\$94⁰⁰*

WITH LED LIGHTED KEY PAD
ADD \$10.00

* Add \$2.00 packing shipping & insurance.
Check/Money Order - No C.O.D.s
With AZDEN Mike Plug attached, add \$3.00
- Also available for other 2 meter rigs.
Order 24 hours a day (215) 884-6010
N.P.S. Inc. 1138 BOXWOOD RD. JENKINTOWN, PA. 19046

NOW USE BOTH SIDES
OF YOUR DISKETTE!

**DISKETTE
HOLE
PUNCH**



NO GUESSWORK
WITH HOLE GUIDE

and EDGE GUIDE

PUNCH OUT IS ALWAYS IN THE RIGHT POSITION
Available for IMMEDIATE Shipment

only \$9.50 add \$1.50 shipping
For C.O.D. add \$2.00

N.P.S.

N.P.S. Inc.
1138 BOXWOOD RD. JENKINTOWN, PA. 19046

(215) 884-6010
A TANK
ANSWERING MACHINE

SUPPORT OUR ADVERTISERS. TELL THEM YOU SAW IT IN THE HARC NEWSLETTER.
146.685 MHz

SOME THOUGHTS ON HOW'S AND HOW NOTS AND DO'S AND DON'TS ONTHE REPEATER

by Paul, K3RBO

I am by no means an expert.

I am not claiming to be perfect. But... during the course of listening on the machine for the past few years, I have noticed some things that are helpful and result in good operating practice and some things that result in poor operating practice. I thought I would pass my thoughts on - for what they are worth.

1. Identifying:

The FCC regulations state that a station need not identify himself on the station he/she is working after every exchange. Some people still seem to want to over identify. There are still a lot of conversations on the machine that sound like this:

"W3ABC, this is K3XYZ, over"

"K3XYZ, this is W3ABC. Hi! K3XYZ, this is W3ABC"

"W3ABC, this is K3XYZ. Hello, how are you? W3ABC, this is K3XYZ"

"K3XYZ, this is W3ABC. I'm fine. Gotta sign. 73. K3XYZ, this is W3ABC clear"

Now, this is an exaggeration, but I think you can agree that we can cut down quite a bit on I.D'ing. It would save more time for words that mean something.

2. Giving your Location and Directions:

Have you ever heard someone say.. "My QTH is West Oak Lane, if you know where that is." As if you are going to say you don't know where it is and he's going to change his QTH to somewhere you know. Don't confuse the issue. Tell your location in general terms or find out if the person is familiar with the area before giving an exact location.

The next item is kind of a pet peeve with me, because I do a lot of traveling and I've asked for directions from a lot of hams in strange cities. I have learned firsthand what good directions can do and what bad directions can do. Nothing personal... just giving my observations. Let's take this scenario as an example. (It actually occurred the other night.)

A station called for directions (on another repeater) for a place to spend the night before continuing on to his destination. The exchange continued on our repeater, which is where I picked it up. The mobile station, from New York, had been directed from the New Jersey Turnpike across the Ben Franklin Bridge and was now in University City. He was being advised by a person, who apparently hadn't been in the city for several years himself, to stay at the University City Hilton or Century City Holiday Inn. Now, one should realize that someone traveling through the city may not be prepared to spend what the going rates for a Hilton or Holiday Inn (\$75.00 - \$100.00).

Someone then broke in and volunteered the information that there are cheap hotels back across the river in New Jersey (Gloucester City and Paulsboro, etc.). He began to reel off all the details on locations, what

DO'S AND DON'TS (continued)

stores were nearby and how he had stayed at a certain hotel thirty years ago, the day after he got out of the service. Another station broke in and volunteered the information that there was a Holiday Inn nearby on Chestnut Street. That's fine, except that Holiday Inn is now a Sheraton and has been for over a year.

It was learned, after I entered the fray, that the traveler didn't want to be in Philadelphia in the first place - he was trying to get to Lancaster, PA. Why then, did our helpful well-intentioned ham from NJ send him into center city, when he should have stayed on the Pennsylvania Turnpike to get to Lancaster? If he wanted to stop, there are numerous motels all along the turnpike.

So, the point I am trying to make with all this is that there are several DO'S and DON'TS when giving directions. Failure to observe these, no matter how good your intentions, can result in a lot of lost time for someone unfamiliar with our highways.

DO'S

1. Fine out the travelers plans and destination.
2. Find out if he/she has ever been in the city before.
3. If you are unfamiliar with the traveler's destination, or are the least bit unsure, standby for help from someone who knows the area.
4. If no one is available, suggest an alternate repeater closer to the area of the traveler's destination.
5. Keep transmissions short.
6. Find out where he/she is and what turns he/she has made.
7. Pause for breaking stations who may have updated information on road conditions, etc.
8. Keep directions simple and do them step by step.

DON'TS

1. Don't reel off fifty different turns, landmarks and instructions.
2. Don't tell him/her your life story.. just the facts, please.
3. Don't hog the frequency. If you cannot help, pass the ball.
4. Don't give anyone information or directions unless you are sure it is correct. (The McIntosh Motel may have been cheap in the fifties, now it's just a flea-bag.)

As I said before, I didn't mean to offend anyone. We all mean well. But, sometimes that is not enough. Giving directions is a big responsibility and we should treat it as such.

Economy ICOM 2AT Headset for Under \$10

Mark KC3JV

I've admired those new ICOM and YEASU headsets, but \$40 is just too dear! Being a gadgeteer, I thought I'd try and build my own. First, purchase a pair of lightweight headphones, then break off one of the earphones, saving the wiring harness from the removed earpiece. Next, go into your junkbox for a $1\frac{1}{4}$ " x $\frac{1}{4}$ " bolt with two large washers, a wingnut and faucet washer. Rough up the outside plastic surface of the remaining earpieces. Using the bolt, one of the washers and hand moldable epoxy, attach the bolt to the earpiece as shown in Figure 1. Let this harden overnight.

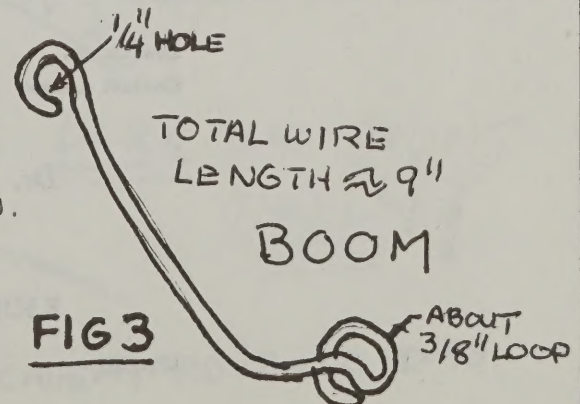
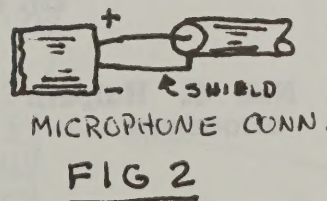
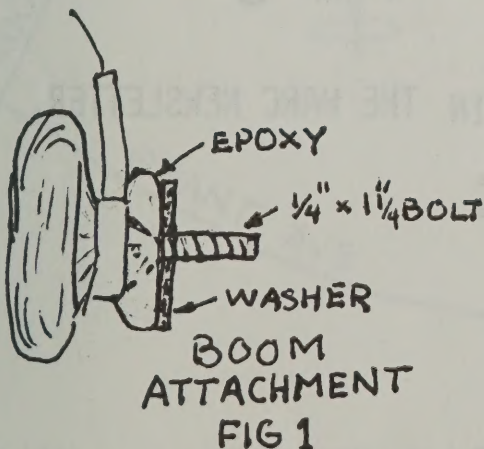
Now we can connect up the microphone. Strip $\frac{1}{2}$ " of the wire from the shielded cable that was connected to the earphone you removed. Solder the inner conductor to the positive (+) side of the microphone and the braid to the other (-) as shown in Figure 2. Clip off the headset phone plug and strip both cables back $\frac{1}{2}$ ". Tin all leads.

Make the boom according to Figure 3 and epoxy the microphone to the end. Be careful not to short the wires to the boom. Let the epoxy harden overnight.

When the epoxyed mic. hardens, wrap the mic. cable to the boom with electrical tape.

Now, cut the microphone cable about one foot back from the plug end and strip both ends back about $\frac{3}{8}$ ". Now we must make a case from either a pill bottle or other convenient container. Drill a $\frac{1}{8}$ " hole in the cap and bottom and a hole big enough for a mini-momentary contact pushbutton in the side. Make a knot in the twin cable to inside both the cap and bottom end. Wire up the ends of the microphone cable inside the pill bottle as shown in Figure 4. Now attach the completed boom to the headset as shown in Figure 5. The completed assembly looks like Figure 6. Good luck.

Mark



PUSH TO TALK

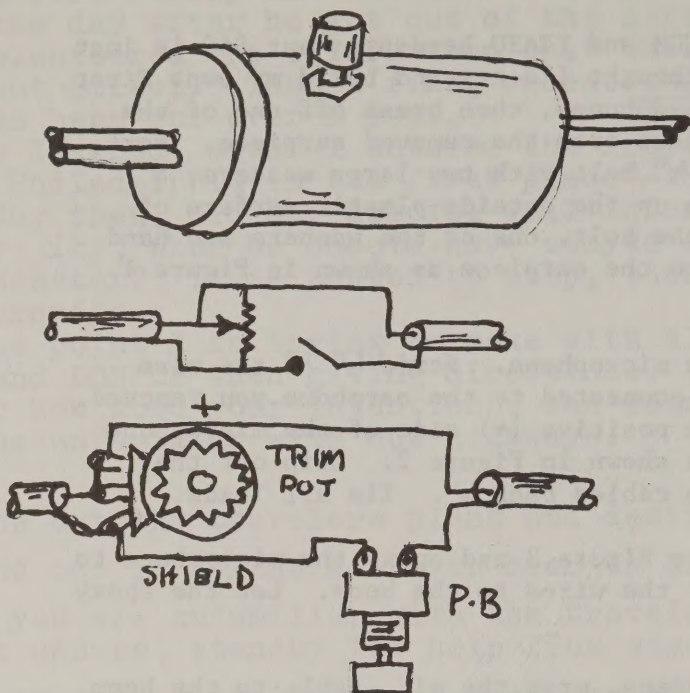
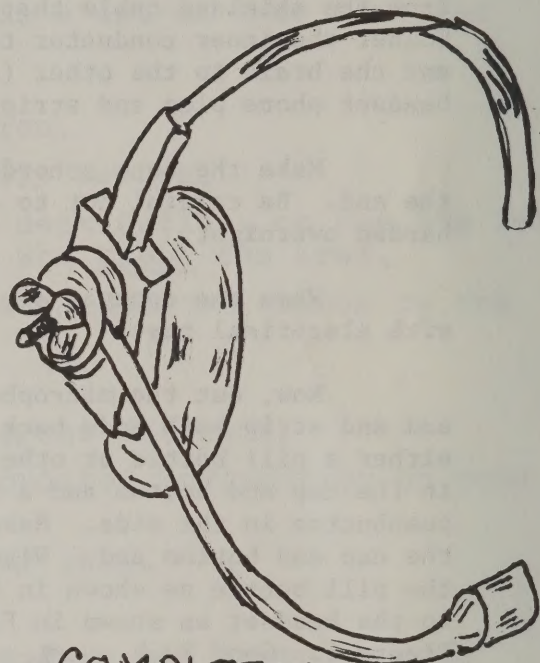
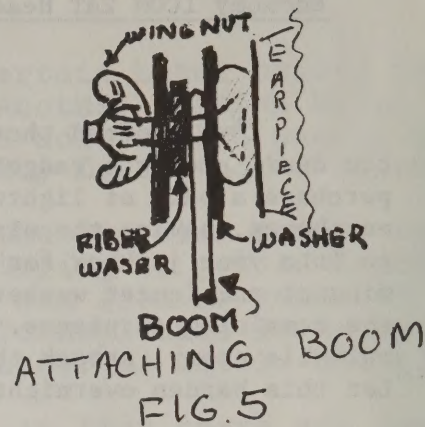


FIG 4.



COMPLETED HEADSET FIG. 6

NE 7-8329

W3HK

GEORGE S. VAN DYKE, JR., P.E.

CONSULTING ENGINEER

4607 CONVENT LANE
PHILA., PA. 19114

SUPPORT OUR ADVERTISERS. TELL THEM YOU SAW IT IN THE HARC NEWSLETTER.

Eye Exams
Contact Lenses

Complete Eye
Care Facilities

Dr. Neil S. Halpern
OPTOMETRIST

K30AO

Deputy Opticians
12039 Bustleton Ave.
Phila., Pa. 19116

673-1267

SUPPORT OUR ADVERTISERS. TELL THEM YOU SAW IT IN THE HARC NEWSLETTER.

W3DIP



FIELDING O. L. WATERS
Specializing In Pest Control
BENSALEM, PA.

PA. STATE CERTIFIED

(215) 757-5743

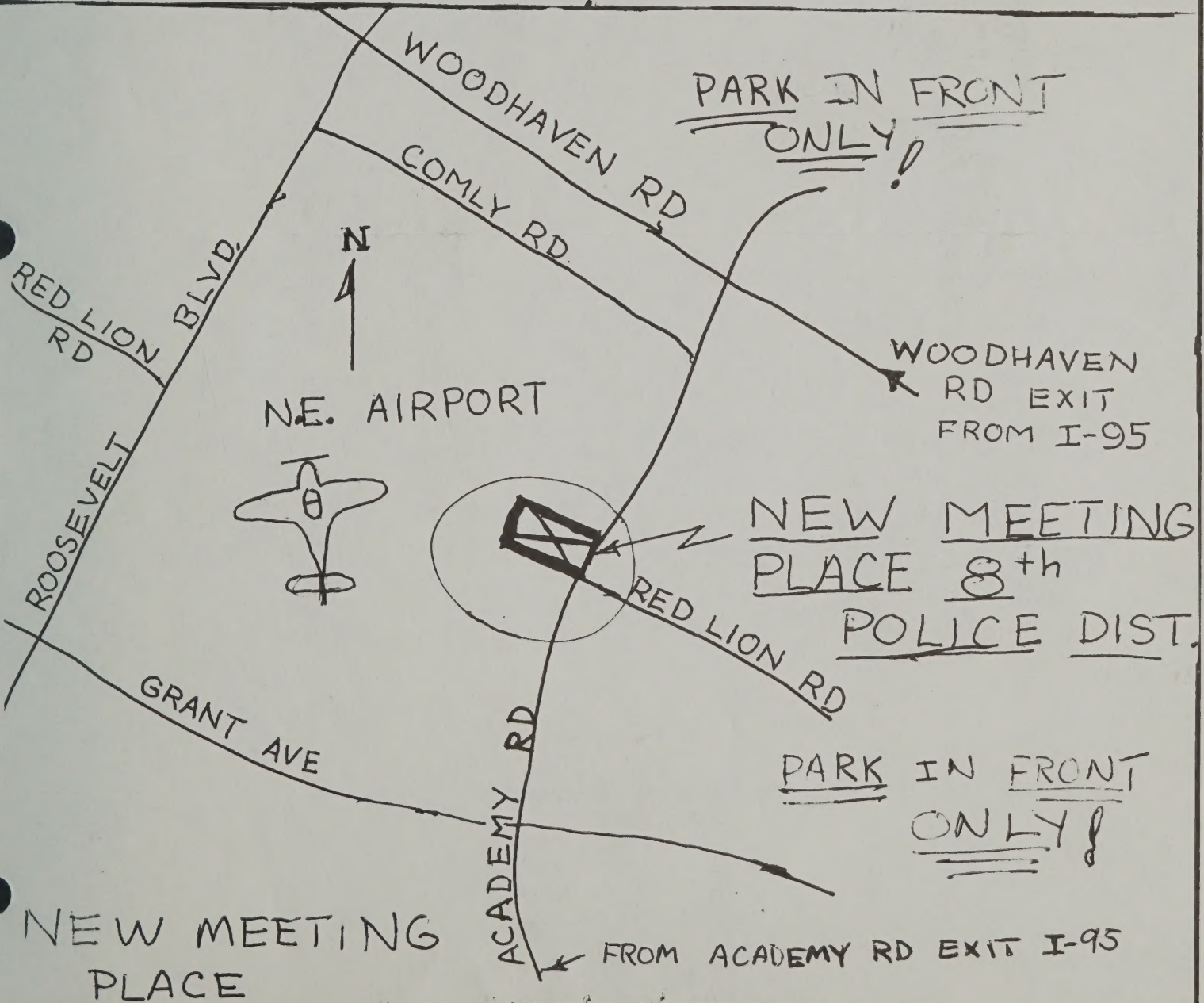


WA3OQR
Pressure-
Sensitive Labels
Rubber Stamps
Tags & Decals
Fast Service

WA3OQR

(215) 698-1060
9908 Bustleton Ave. (B-9)

Post Office Box 14568
Philadelphia PA 19115

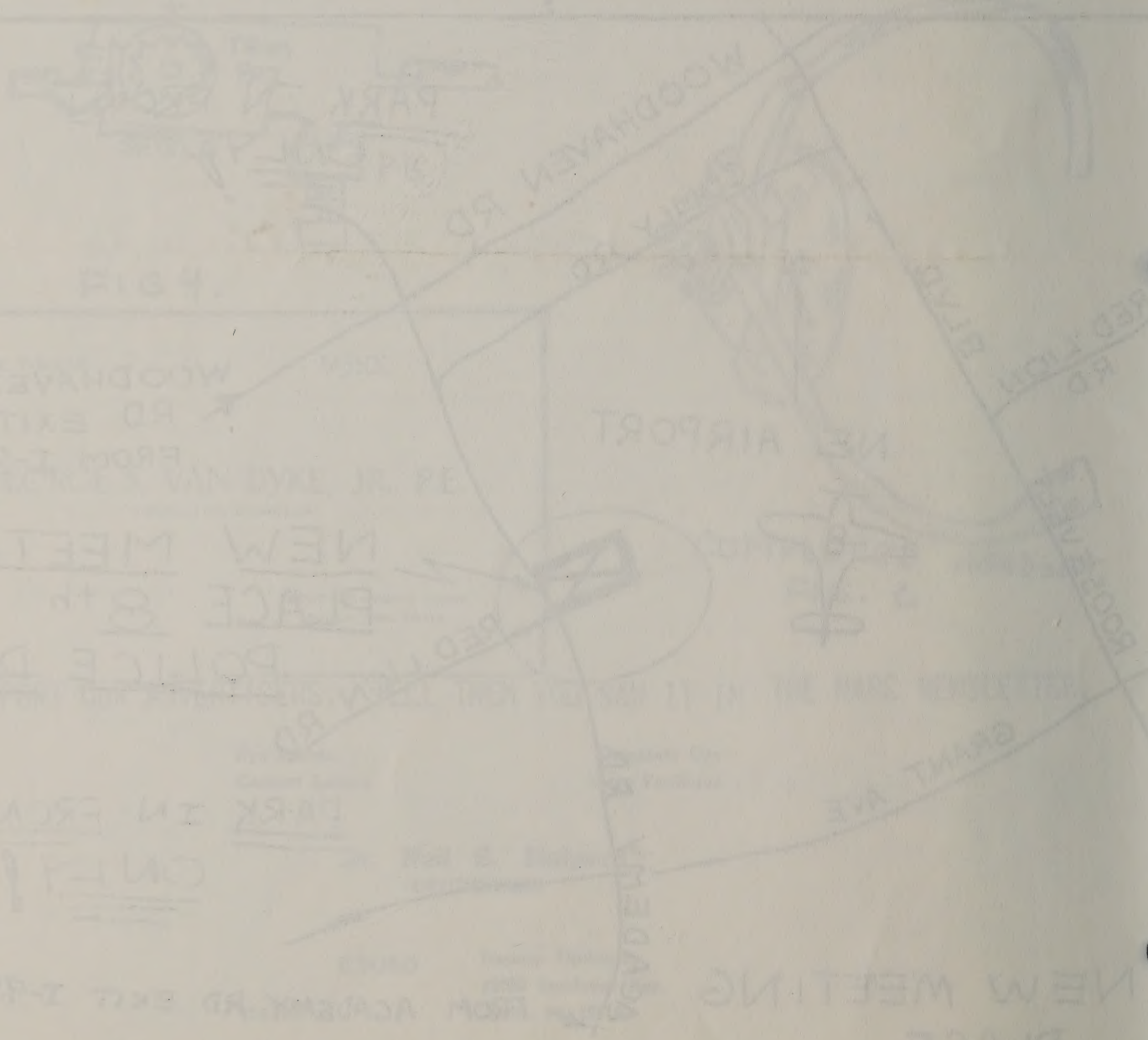


SUPPORT OUR ADVERTISERS. TELL THEM YOU SAW IT IN THE HARD NEWSLETTER.

Labels
Stamps
Post Office



FOR THE
OF THE
OF THE
OF THE



NEW MEETING PLACE