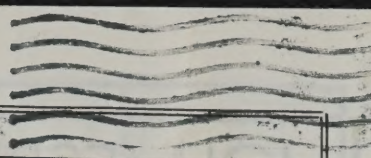
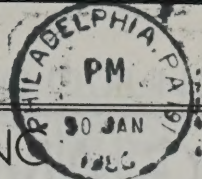


remove with care



HOLMESBURG AMATEUR RADIO CLUB, INC.

(a non-profit corporation)

P.O. BOX 6253 ~ PHILADELPHIA, PA. 19136

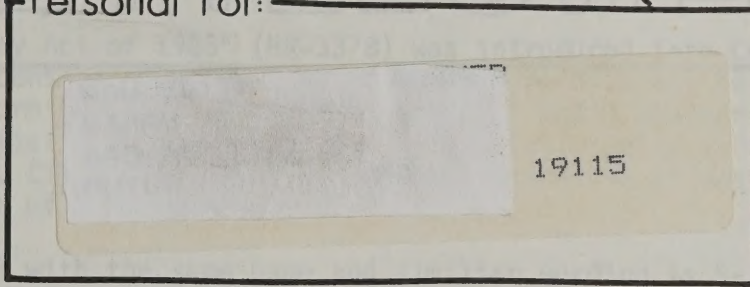
(Affiliated with the West Link Radio Network, Inc.)



FIRST CLASS MAIL

MEETING
NOTICE
FEB. 2

Personal For:



TIME
VALUE



NEWSLETTER

FEB.
1986

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. You may send directly to the Editor

Editor reserves the right to edit, reject, reduce, etc. all items to be published. WE WELCOME YOUR INPUT!!

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

1985 CLUB OFFICERS AND TRUSTEES

PRESIDENT:	K3UKW Tony Musero	1 Year Trustee:	WA3OQR Charlie Zeager
VICE-PRES:	WA3IJZ Joe Pearlstein	2 Year Trustee:	KB3SM Bob Brocklehurst
TREASURER:	WA3IFY Jay Kuperman	3 Year Trustee:	W3AAU Edith Rosner
SECRETARY:	K3HIN Richie Albert	Club Historian:	W3AAU Edith Rosner 645 Artwood Drive Philadelphia PA 19115

remove with care

HOLMESBURG AMATEUR RADIO CLUB, INC.

(a non-profit corporation)

P.O. BOX 6253 ~ PHILADELPHIA, PA. 19136



NEWSLETTER

2

THE PREZ SEZ

PRES SEZ:

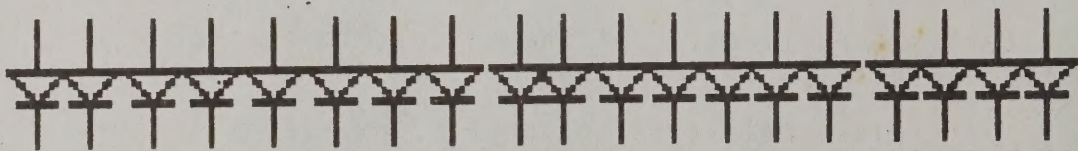
This will be my final column and I'd like to thank all of the people who have worked at their elected offices to make things work for the general membership.

Your volunteer hours are greatly appreciated.

Since renewals are due, please take a moment to send in your dues so that you will have made your commitment for 1986. It makes a lot of jobs easier when you respond early.

Best of the New Year to all of you and I hope that positive happenings take place all year long.

73,
Tony



NOTICE NOTICE

PLEASE NOTE:

DO NOT CALL THE AUTOMATIC NUMBER FOR THE NEW JERSEY STATE POLICE
IT IS NOT IN SERVICE ANY LONGER A NEW NUMBER WILL BE PROGRAMED IN AT A
LATER DATE.

Congress Acting on Radio Privacy Issue

THE FOLLOWING REPORT CONTAINS INFO AND QUOTES FROM W5YI REPORT AND WESTLINK - Editors

The "Electronics Privacy Act of 1985" (HR-3378) was introduced into Congress by Robert W. Kastenmeier (D., Wisconsin) on September 19, 1985. The bill was co-sponsored by Carlos J. Moorehead (R., California). It is something that all radio amateurs should be aware of since it has far potentially reaching ramifications. Kastenmeier is chairman of the House Subcommittee on Courts, Civil liberties and the Administration of Justice. Moorehead is ranking minority member of the Subcommittee.

A companion Senate bill with the same name and similiar wording is S-1667 by Senator Pat Leahy (D.,Vt.) and Charles Mathias (R.,Md.).

The bill has three main purposes. The largest portion of the bill has to do with under what circumstances law enforcement authorities can be authorized to use wire tap type devices..gadgets that record telephone numbers dialed..tracking devices, and the like.

The second major area of the bill has to do with changing the existing wire tap laws to expand their coverage to any type of communication. Present day wire tap laws do not cover the sophisticated electronic systems of today.

The third portion of the bill has a section call "exceptions with respect to electronic communication." It sets out specific situations in which under the new law it will be legal to listen to radio communications.

These exceptions are:

1. Electronic communications made through a system designed so that the communications are readily accessible to the public. (This is not further defined. It seems to us that ALL radio communications are readily accessible to the public.)
2. Interception of any communication which is transmitted for the use of the general public which relates to ships, aircraft, vehicles or persons in distress.
3. Communications by walkie talkie (which is strangely also not further defined.)
4. Police or fire communications systems.
5. Amateur radio or CB radio...but not including GMRS - the old Class 'A' CB, General Radio Mobile Service.

The bill has two proponents...two groups that have gotten together to urge its passage. They are the EMA, Electronic Mail Association...the providers of all electronic mail systems who are concerned about hackers and computer hobbyists who might obtain private electronic messages and the Cellular Telecommunications Industry Association, a powerful and well connected trade group for the car telephone industry.

NEWSLETTER

CTIA is pushing this bill because the cellular industry is very, very concerned about the privacy issue. They are also concerned about their pocketbooks! Almost all cellular phone calls are in the open. They can be received on scanners and radio receivers. Cellular phone calls are even being received on video cassette recorders with tuners that cover the appropriate frequencies and older model TV sets that have variable tuning. This is because the bands that cellular telephones operate in used to be UHF-TV channels 70 through 83.

The cellular industry is freaking out about this!! The technology is now in 80 cities, and growing fast. It is extremely expensive to get into the cellular business and it is, at present, far from profitable. The start up cost is in the millions of dollars.

Is Congress going to repeat itself, as it did in the early 1900's, when greedy Commercial Broadcasting Companies lobbied to have Ham Radio outlawed? Amateur Radio was then given allocations in the "poor" frequencies available at that time, and Broadcasting got the cream! NOW are we going to be prevented from listening to our own receivers? READ ON..

The cellular industry is very frightened that the word will get out that you can hear the cellular calls because they are radio and that the public will not want cellular car phones. While scrambling is an alternative, cellular providers would prefer to change the law to make it illegal to receive cellular calls so that they can show that the calls are indeed private. The same people are behind this bill that were behind the California/Rosenthal version. The president of PacTel Mobile Companies is a director of CTIA. Thanks mostly to amateur radio operators, the California bill was greatly watered down.

CTIA does NOT want to sustain another defeat in Congress as they did in California. This bill will make it illegal to pick up any radio communication that does not fall within the above listed excepted categories.

There are a lot of questions that are being raised by the bill. Even AIR FORCE ONE is not scrambled and READILY ACCESSIBLE TO THE PUBLIC. Will it become illegal to own a scanner or listen to certain short wave radio other than broadcast? What about beacon stations... press stations...military communications, etc. Short wave listening is a legitimate hobby, or at least it WAS.

How will this be enforced? There is general agreement that manufacturers can not be prevented from making general coverage receivers. It will be illegal to use them, however. It is very apparent that the bills sponsors and their associations know less than Zero about radio...and human nature.

The problem for amateur radio operators is that there is a new amateur band, 902-928 MHz that is adjacent to cellular frequencies. You mustn't stray from your authorized band!

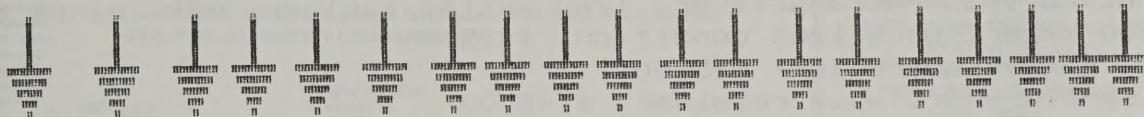
Furthermore, the bill's proponents want to make listening to Amateur Autopatch telephone calls illegal unless you are one of the participants. CAN YOU BELIEVE THAT! Amateurs will be required to turn their radio OFF if an autopatch conversation is ongoing!

Completely unenforceable we say, but the bills' sponsors maintain that law abiding citizens will do just that...turn their radio off! The Committee hearing the bill is suggesting that the FCC set aside subbands for amateur autopatches! "The only legal reason for an amateur to be tuned to the subband would be if you were making an autopatch call," they say.

NEWSLETTER

CTIA WANTS SCANNERS MODIFIED.... Philip J. Quigley, President of PacTel Mobil Companies (a cellular provider) and CTIA official: "Even if HR-3378 is enacted, there will still be some people who will flout the law and intentionally listen in to private conversations transmitted by the radio spectrum. Today these people can use scanning receivers popularly known as scanners to eavesdrop on cellular conversations because scanners are engineered to receive not only communications readily available to the public such as police and fire communications, but also communications of the frequency bands reserved for cellular. There is no reason why scanning equipment should be designed to receive frequencies that have been reserved for private communications. CTIA believes that an appropriate technical modification in the FCC's rules governing scanners is a necessary adjunct to the privacy legislation."

Even though there are millions of scanners in the hands of the public and many messages and phone calls can be are are monitored on amateur, GMRS, cellular and other services, the proponents of these bills refuse to accept that this is a common everyday occurrence... that this is a legitimate hobby interest. They think that anyone who monitors private conversations or ongoing traffic is weird.



CLUB NEWS

Meeting of Dec. 8, 1985

Meeting started at 10:05 by Tony K3UKW

Tres. Income 140.82 Bank Balance 2,30.09

Navy drill was a success due the way the Amateur group carried out there end of it. The Navy Dept. was very impressed.

Old Business none

Nominations from the floor were as follows
 JOE WA3IJZ PRESIDENT PAUL K3RBO 3 YEAR TRUSTEE
 Nominations from the floor were closed.

The new repeater was shown to all by Ron WB3BDC.
 He explained all of the fancy functions of the repeater.

MEETING ADJURNED AT 11:20 AM.

RESPECTFULLY SUBMITTED
 RICHARD ALBERT K3HIN

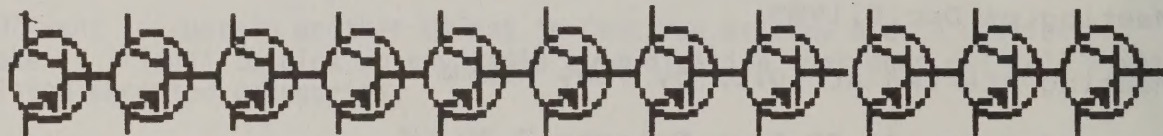
NEWSLETTER

BUY-SELL-TRADE

Texas Computer, Model # PHC 004A, Silver Model with Paddles
 Texas Program Recorder, Model PA2700
 Both brand new in the box, never used.
 \$75.000

Power supply, 6 AMPS. A compact one. \$35.00
 Russell Webb, K3PXA
 956 Kenwyn St.
 Phila., PA 19124
 743-1498

NB-7 noise blanker for Drake TR7, \$65.00
 Aux 7 board for TR7 xcvr, \$55.00
 Heathkit HR-10 Ham band receiver, \$75.00
 Keathkit HW-16 CW xcvr (3 bands 15,40,80 meters) \$70.00
 Cubic Astro 103 HF transciever, (260 watts) includes WARC bands & 10
 thru 160 meter, excellent condition, \$425.00
 Waters "Dummy Load"- (KW) \$75.00
 Heath SB-310 short wave receiver, \$145.00
 SBE 144, XTAV control, two meter radio, \$75.00
 Drake MS4 speaker, \$45.00
 Drake NB4 noise blanker for R4C, \$110.00
 Kenwood 7950 two meter transciever, \$325.00 (incl.ttp mic. opt.)
 Contact Tony, K3UKW-215-271-8898



OTHER NEWS

QCWA, Inc.

1409 Cooper Drive
 IRVING, TX 75061

We have received a letter from Warren Snyder, W6RDL, with respect to the growing practice of "mentally disturbed" hams to cause interference to others maliciously. Warren had suffered through a particular "jammer scene" and was finally able to get a fair bearing, reaching the conclusion that the interfering signal (to the QCWA Sunday Afternoon Net) was in the New York City area. Warren made a call to the F. C. C. monitoring facility near Atlanta and asked that they make an effort to determine the location of the "jammer". We do not know the outcome of their work but since the problem doesn't seem to abate, perhaps we should begin to make efforts to identify them ourselves, and should Senator Goldwaters bill, S-2975 become law, have a means to put an end to the problem.

Attached you will find a list of F. C. C. monitoring stations, their location and telephone numbers. Please use them....if we can bring just one of these "scare-crows" to justice, it start a trend.

Allegan, MI	616 673 2063
Anchorage, AK	907 243 2153
Belfast, ME	207 338 4088
Douglas, AZ	602 364 2133
Ferndale, WA	206 354 4892
Ft Lauderdale, FL	305 473 9845
Grand Island, NE	308 382 4296
Kingsville, TX	512 592 2531
Laurel, MD	301 725 3474
Livermore, CA	415 447 3614
Powder Springs, GA	404 943 5420
Sabana Seca, PR	809 784 3772
Walpahu, HI	808 677 3954

If QCWA members are interested, we will present a story on a small antenna which may be used for the purpose of DF. Remember, DF on the high-frequencies is not a pin-point matter, due to propagation vagarities and reflections, etc. Never-the-less, with care, and a goodly number of stations participating, it might just be possible to snare one of the "weasels" in the group. Let us hear from you in this regard.

License Renewal Information

1) Attach a photocopy, or the original, of your license to the FCC Form 610 (available from ARRL HQ; SASE, please).

2) Mail to FCC, Gettysburg, PA 17325.

3) Retain copies of everything, if possible, as proof of filing before expiration. If you file before the license expiration date, you may continue to operate beyond the expiration date and until the new license arrives. After expiration, there is a two-year

grace period under which you may still renew and keep your call sign without retesting, but you must wait until the new license arrives to operate. After this two-year grace period expires, you must be re-examined for a new license. Normally, application should be made approximately 90 days before expiration; however, renewal can be applied for at any time

during the term of the license.

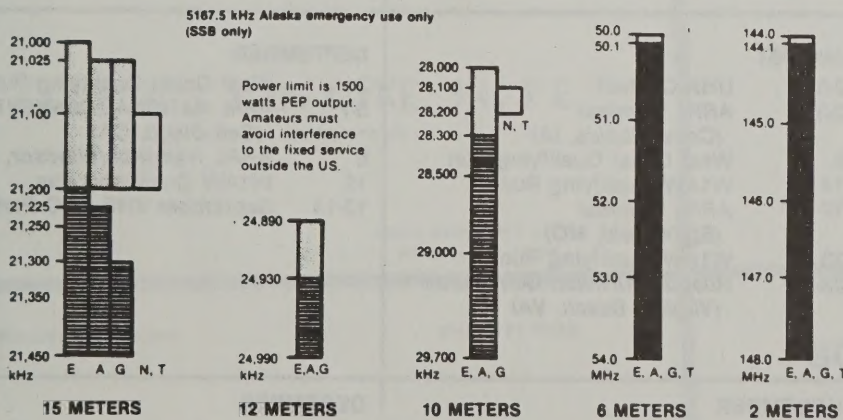
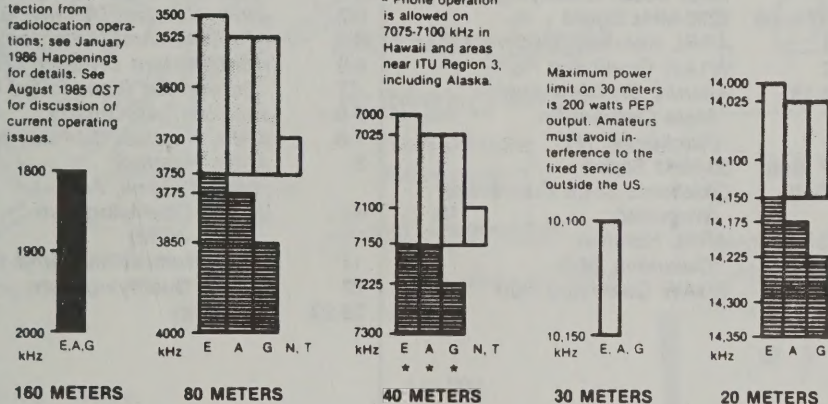
4) If you are simply modifying your license (change of address, for example), you must fill out the Form 610; a letter is no longer sufficient. Incidentally, your license will also be automatically renewed for 10 years at this time.

5) If you have any questions or problems, drop a note to Membership Communications Services, ARRL HQ.

US Amateur Subband Allocations, 1.8 to 148 MHz

Power Limits: All US amateurs are limited to 200 watts PEP output in the Novice segments and in the 30-meter band. On all other segments, 1500 watts PEP output is permitted. In addition, there are ERP limitations for stations in repeater operation. (See 97.67, FCC rules.) At all times the power level should be kept down to that necessary to maintain communications.

Amateur stations operating at 1900-2000 kHz must not cause harmful interference to the radiolocation service and are afforded no protection from radiolocation operations; see January 1986 Happenings for details. See August 1985 QST for discussion of current operating issues.



KEY

- = CW ONLY
- ▒ = CW AND RTTY
- = CW, VOICE, SSTV AND FAX
- = CW, VOICE, SSTV, FAX AND RTTY
- E = EXTRA
- A = ADVANCED
- G = GENERAL
- T = TECHNICIAN
- N = NOVICE

Operators with Technician class licenses and above may operate on all amateur bands above 50 MHz. For more detailed information see *The FCC Rule Book*.

The "Considerate Operator's Frequency Guide"

Some frequencies that are generally recognized for certain modes or certain activities (all frequencies are in MHz):

- 1.800- 1.825 CW only
- 1.825- 1.830 "DX window" (no W/VEs)
- 3.590 RTTY DX
- 3.610- 3.630 RTTY
- 3.790- 3.800 "DX window"
- 3.845 SSTV
- 7.040 RTTY DX
- 7.080- 7.100 RTTY
- 7.171 SSTV
- 10.140-10.150 RTTY
- 14.080-14.100 RTTY
- 14.100 NCDXF beacon
- 14.230 SSTV
- 14.313 Maritime mobile
- 21.080-21.100 RTTY
- 21.340 SSTV
- 28.080-28.100 RTTY
- 28.200-28.300 Beacons
- 28.680 SSTV
- 29.300-29.500 Satellite downlinks
- 29.520-29.580 Repeater inputs
- 29.600 FM simplex
- 29.620-29.680 Repeater outputs

ARRL band plans for bands above 29.300 MHz are shown in the ARRL *Repeater Directory* and the *FCC Rule Book*. This 24-MHz band plan was adopted by the ARRL Board of Directors in July 1985:

- 24.890-24.920—CW only
- 24.920-24.930—CW and digital
- 24.930-24.990—CW, phone and SSTV

U.S. Amateur Power Limits

At all times, power level should be kept down to that necessary to maintain communications. All US amateurs are limited to 200-W PEP output in the Novice segments. On all other segments, with certain exceptions in the 10, 902 and 420-MHz bands, 1500-W PEP output is permitted. (full-carrier double-sideband AM radio-telephone operations will use old power limits and standards until June 1, 1990.) Present restrictions limit 10-MHz PEP output to 200 W. See December 1984 QST, p. 61. (Revised as of November 1985.)

MAJOR ARRL OPERATING EVENTS AND CONVENTIONS—1986*
(Check QST monthly for updates)

JANUARY	FEBRUARY	MARCH
<p>1 Straight Key Night West Coast Qualifying Run</p> <p>5 Midnight Special</p> <p>9 W1AW Qualifying Run (35-10 WPM)</p> <p>10-12 ARRL Hamfest (Sarasota, FL)</p> <p>11-12 January VHF Sweepstakes</p> <p>12 ARRL Hamfest (Oak Park, MI)</p> <p>12 ARRL Hamfest (Richmond, VA)</p> <p>21 W1AW Qualifying Run</p> <p>25-Feb 2 Novice Roundup</p> <p>26 ARRL Hamfest (Yonkers, NY)</p> <p>26 ARRL Hamfest (Greenbelt, MD)</p>	<p>2 ARRL Hamfest (Villa Park, IL)</p> <p>4 West Coast Qualifying Run</p> <p>7 W1AW Qualifying Run (10-40 WPM)</p> <p>8 ARRL Hamfest (Harlingen, TX)</p> <p>8-9 ARRL Hamfest (Miami, FL)</p> <p>15-16 International DX Contest, CW</p> <p>16 ARRL Hamfest (Mansfield, OH)</p> <p>16 ARRL Hamfest (Melville, NY)</p> <p>16 ARRL Hamfest (Elkin, NC)</p> <p>16 ARRL Hamfest (Kansas City, MO)</p> <p>19 W1AW Qualifying Run</p> <p>21-23 Great Lakes Div. Convention (Sharonville, OH)</p> <p>22 ARRL Hamfest (Fridley, MN)</p> <p>23 ARRL Hamfest (Davenport, IA)</p> <p>23 ARRL Hamfest (Tallmadge, OH)</p> <p>23 ARRL Hamfest (Vienna, VA)</p>	<p>1-2 International DX Contest, Phone</p> <p>2 ARRL Hamfest (Winchester, IN)</p> <p>5 West Coast Qualifying Run</p> <p>7-9 Florida State Convention (Orlando)</p> <p>8 W1AW Qualifying Run</p> <p>8-9 ARRL Hamfest (Lafayette, LA)</p> <p>15 ARRL Hamfest (Auburn, NY)</p> <p>15-16 ARRL Hamfest (Ft Walton Beach, FL)</p> <p>16 ARRL Hamfest (Salem, IL)</p> <p>20 W1AW Qualifying Run</p> <p>22-23 ARRL Hamfest (Charlotte, NC)</p> <p>23 ARRL Hamfest (Grayslake, IL)</p> <p>23 ARRL Hamfest (Madison, OH)</p>
<p>APRIL</p> <p>1 West Coast Qualifying Run</p> <p>5-6 Nebraska State Convention (Kearney)</p> <p>11-12 Michigan State Convention (Saginaw)</p> <p>12-13 Missouri State Convention (Kansas City)</p> <p>13 W1AW Qualifying Run</p> <p>13 ARRL Hamfest (Bedford, PA)</p> <p>13 North Carolina State Convention (Raleigh)</p> <p>14 (Mon) 144-MHz Sprint</p> <p>18-19 Midwest Division Convention (So Sioux City, NE)</p> <p>19 ARRL Hamfest (Marietta, GA)</p> <p>22 (Tue) 220-MHz Sprint</p> <p>25-27 Dayton HamVention (Dayton, OH)†</p> <p>27 W1AW Qualifying Run</p> <p>30 (Wed) 432-MHz Sprint</p>	<p>MAY</p> <p>4 ARRL Hamfest (Kankakee, IL)</p> <p>4 ARRL Hamfest (Sandwich, IL)</p> <p>7 West Coast Qualifying Run</p> <p>8 (Thurs) 1296-MHz Sprint</p> <p>11 ARRL Hamfest (Medina, OH)</p> <p>12 W1AW Qualifying Run</p> <p>16-18 Atlantic Div./New York State Convention (Rochester, NY)</p> <p>17 (Sat) 50-MHz Sprint</p> <p>17-18 Oklahoma State Convention (Wagoner)</p> <p>23-24 ARRL Hamfest (Columbia, MO)</p> <p>24 W1AW Qualifying Run</p>	<p>JUNE</p> <p>1 ARRL Hamfest (Chelsea, MI)</p> <p>1 ARRL Hamfest (Salina, KS)</p> <p>3 West Coast Qualifying Run</p> <p>6-7 ARRL Hamfest (Albany, GA)</p> <p>6-8 ARRL Hamfest (Arlington, TX)</p> <p>6-8 Northwestern Division Convention (Vancouver, WA)</p> <p>7-8 June VHF QSO Party</p> <p>7-8 ARRL Hamfest (St Paul, MN)</p> <p>8 ARRL Hamfest (Wrightstown, PA)</p> <p>10 W1AW Qualifying Run (10-40 WPM)</p> <p>14 ARRL Hamfest (Midland, MI)</p> <p>23 W1AW Qualifying Run</p> <p>28-29 Field Day</p>
<p>JULY</p> <p>2 West Coast Qualifying Run</p> <p>9 W1AW Qualifying Run (35-10 WPM)</p> <p>11-13 Texas State Convention (San Antonio)</p> <p>12-13 IARU Radiosport Championship</p> <p>19-20 Southeastern Div. Convention (Atlanta, GA)</p> <p>25 W1AW Qualifying Run</p> <p>27 ARRL Hamfest (Belvidere, IL)</p>	<p>AUGUST</p> <p>2-3 UHF Contest</p> <p>2-3 ARRL Hamfest (Cedar Rapids, IA)</p> <p>5 West Coast Qualifying Run</p> <p>14 W1AW Qualifying Run</p> <p>17 ARRL Hamfest (Springfield, MO)</p> <p>23 W1AW Qualifying Run</p> <p>23-24 Roanoke Division Convention (Virginia Beach, VA)</p>	<p>SEPTEMBER</p> <p>3 West Coast Qualifying Run</p> <p>5-7 ARRL NATIONAL CONVENTION (San Diego, CA)</p> <p>6 ARRL Hamfest (Windsor, ME)</p> <p>12 W1AW Qualifying Run</p> <p>13-14 September VHF QSO Party</p>
<p>OCTOBER</p> <p>11 W1AW Qualifying Run (10-40 WPM)</p> <p>18-19 Central Div. Convention (St. Charles, IL)</p> <p>18-19 New England Div. Convention (Boxboro, MA)</p> <p>26 W1AW Qualifying Run</p>	<p>NOVEMBER</p> <p>1-2 November Sweepstakes, CW</p> <p>5 West Coast Qualifying Run</p> <p>9 W1AW Qualifying Run</p> <p>15-16 November Sweepstakes, Phone</p> <p>24 W1AW Qualifying Run</p>	<p>DECEMBER</p> <p>2 West Coast Qualifying Run</p> <p>5-7 160-Meter Contest</p> <p>8 W1AW Qualifying Run</p> <p>13-14 10-Meter Contest</p> <p>30 W1AW Qualifying Run</p>

*Hamfests/Conventions of record as of November 15, 1985

†Not an ARRL event

NEWSLETTER

ADS

ADS

ADS

Eye Exams
Contact Lenses

Complete Eye
Care Facilities

Dr. Neil S. Halpern
OPTOMETRIST

K3OAO

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

673-1267

Century 21

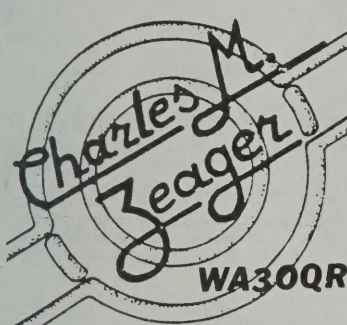
XYL OF PAUL K3RBO

EINHORN-ADLER, INC
8039 York Road
Elkins Park, Pennsylvania 19117
Business (215) 635-1400
Residence (215) 671-0268



LILY ROTHMAN
REALTOR-ASSOCIATE®

Each Office is Independently Owned and Operated



Pressure-Sensitive Labels
Rubber Stamps
Promotional Advertising
Fast Service

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

Philadelphia PA 19115

NE 7-8329

W3HK

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

CONSULTING ENGINEER

4607 CONVENT LANE
PHILA., PA. 19114

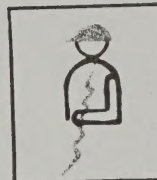
PHONE GL 5-3894

ENGINEERING

BEN GINSBERG
METHODS CONSULTANT

MANUFACTURING
SYSTEMS

5228 WESTFORD ROAD
PHILADELPHIA, PA. 19120



MOBLE MIKE N3DJM
ELECTRIC

Quality Electrical Work
At Reasonable Rates

- 100 Amp Services
- Kitchen Remodeling
- Code Violations Repaired
- Decorative Lighting Our Specialty

MIKE
969-1676 (HOME)

BOB
(HOME) 331-9364

W 3 D I P



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

PA. STATE CERTIFIED

(215) 757-5743

"SOME HOLE IN THE WALL"

(Discount Computer Center)

Commodore 64

SANYO

Hardware - Software - Books - Magazines

We rent software for C64 & Apple

6394 Castor Ave. (Off Levick)
Phila., PA 19149
(215) 533-1211

NEWSLETTER

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. Inc.
1138 BOXWOOD RD. JENKINTOWN PA 19046
(215) 884-6010

VENT-A-DOME, INC.®

REPLACEMENT BATHROOM SKYLIGHT

DESIGNED AND MANUFACTURED
EXCLUSIVELY BY

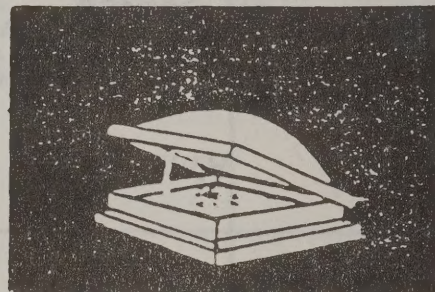
VENT-A-DOME, INC.

5434 N. 5TH STREET
PHILA., PA 19120
455-7602

CALL FOR MORE INFORMATION AND DEMONSTRATION

It's an Open & Closed Case!

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



LIGHT
&
VENTILATION



ACCESS
TO
ROOF

10 AMP.

REGULATED

POWER SUPPLY

10 AMP
CONTINUOUS
OVERLOAD
PROTECTED

PILOT LIGHT,
ON-OFF SWITCH
WELL FILTERED.

ALL METAL CABINET, FUSED

\$54.00

PLUS
UPS



(215) 884-6010

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



C.E.S.
Touchtone
In a mike

KEY PAD MIKE

\$68.00*

AUTO DIALER MIKE

Stores 10 Phone Numbers

\$97.00*

WITH LED LIGHTED
KEY PAD ADD \$10.00

* Add \$2.50 packing shipping &
Insurance Check/Money Order -

For C.O.D. add \$3.00

With AZDEN Mike Plug
attached, add \$4.50

- 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