

# PACK RATS'



## PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

# CHEESE BITS



MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PENNSYLVANIA  
 50.125, 144.150, 220.125, 432.110, 1296.110 Mhz, W3CCX - Repeater 222.98/224.58 Mhz  
 Affiliated Club: AMERICAN RADIO RELAY LEAGUE  
 Meetings: Third Thursday of each month at 8:00 P.M.  
 Southampton Free Library, 947 E. Street Road  
 Southampton, Pennsylvania 19866

ARNS

VOLUME XXVI

SEPTEMBER, 1984

NUMBER 9

### THE PREZ SEZ

Well, here we are in the month of September. September is a depressing month for me. The end of summer, longer nights and colder weather. But, it does mean a new exciting year for the Pack Rats. We will be having our first indoor meeting on September 20th. I know that a lot of Pack Rats have been missing some of the meetings and I hope you and friends will be at the meeting this month.

October 6 and 7 means another hard-working weekend for the Pack Rats. We will need a lot of volunteers to help out. Don't wait to be asked. Jump in and help out. Lee (K3MXM) has done another great job in getting Hamarama together and will be needing help, especially with parking. Gary (WA2OMY) has put together an outstanding program for the Saturday V.H.F. Conference, and he'll be needing help, too.

What a nice evening we all had at our August meeting. Thanks to Doc and Loretta for their home and the great snacks. Bill (W3HQT) gave his report of the UHF Contest. For more about the Contest, see Bill's report on Page 7. From the slides we saw, it appears the group was up in the clouds all weekend. Despite the weather, they all had a good time and would be back again next year.

73,

Dave

\* \* \*

### TID BITS

Tony Sousa, W3HMU was our man recently in Wilshire, England - What were you doing there Antonio?

It is confirmed that Grid Squares will be the order of the day for the January 1985 VHF SS Contest -----

Another health and welfare problem - Carl, K3DLS phoned from the Rolling Hill Hospital and reported that he was in the CCU with a ticker problem - hopes to be home soon. Our best wishes, Carl.

(Tid Bits continued on Pg. 7)

Pack Rats CHEESE BITS is a publication of THE MT. AIRY VHF RADIO CLUB, INC. Philadelphia, Pa. and is published monthly.

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SWAP SHOP ITEMS - NO CHARGE

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING: THE THIRD THURSDAY OF THE MONTH.

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609-783-9478

CLUB HISTORIAN:

W3CL, HARRY B. STEIN

MONDAY NIGHT NETS

7:30 PM - 50.125 MHZ

8:00 PM - 144.150 MHZ

8:30 PM - 222.98/224.58 MHZ

8:45 PM - 220.125 MHZ

9:00 PM - 432.110 MHZ

9:30 PM - 1296.1 MHZ

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THE MT. AIRY VHF RADIO CLUB, INC.  
PRESENTS  
**HAMARAMA '84**  
AND  
MID-ATLANTIC STATES VHF CONFERENCE  
OCTOBER 6-7, 1984

---

**THE CONFERENCE**

SATURDAY—OCT. 6, 1984—9 A.M. to 5 P.M.  
WARRINGTON MOTOR LODGE

(FROM PA. TURNPIKE EXIT 27 TAKE 611 NORTH 4.5 MILES TO ONE BLOCK NORTH OF ROUTE 132)

ALL DAY VHF PROGRAM MODERATED BY WELL KNOWN VHF'ers

COCKTAIL HOUR AND GET-TOGETHER AT 6:30 P.M. HOSPITALITY SUITE WILL ALSO BE OPEN  
in *PACK-RAT* HOSPITALITY SUITE FRIDAY EVENING FOR EARLY ARRIVALS

BUFFET DINNER AT 7:30 P.M. — \$13.00

REGISTRATION—ADVANCE \$4.00, AT DOOR \$5.00 (INCLUDES FLEA MARKET)

---

**THE FLEA MARKET**

SUNDAY—OCTOBER 7, 1984—7 A.M. to 4 P.M.—RAIN OR SHINE

BUCKS COUNTY DRIVE-IN THEATER  
WARRINGTON, PA.

(ROUTE 611—4 MILES NORTH OF PA. TURNPIKE—EXIT 27)

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JOIN US FOR THE "PACK-RAT" 13<sup>th</sup> ANNUAL

GET-TOGETHER WEEKEND — CONFERENCE AND HAMFEST

SEE YOU IN WARRINGTON IN OCTOBER

-----TEAR HERE-----

Advance registration for the VHF Conference must be in the hands of the chairman by September 23, 1984

HAMARAMA  
P.O. Box #311  
Southampton, Pa. 18966

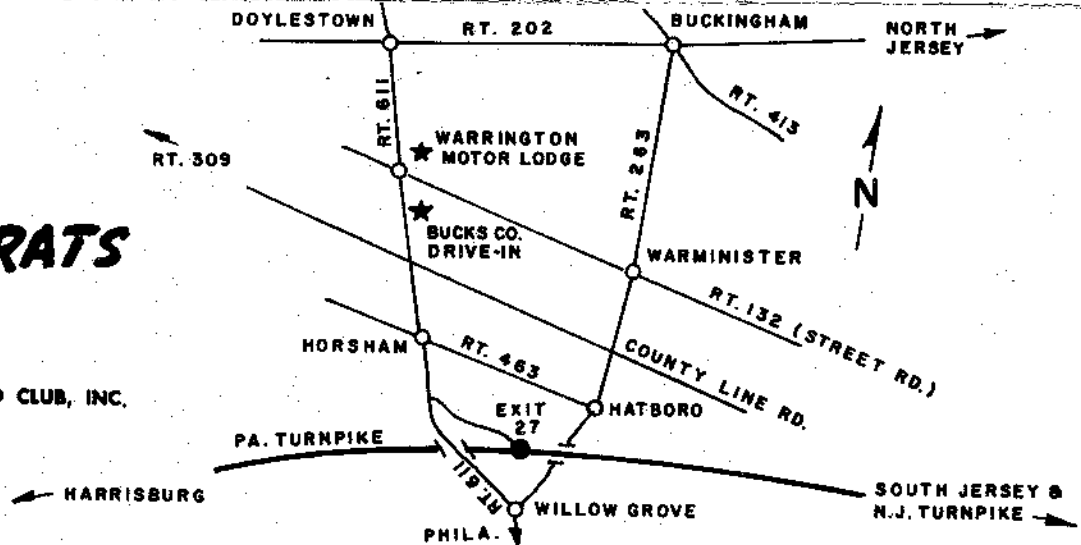
# HAMARAMA '84

AND  
MID-ATLANTIC STATES VHF CONFERENCE  
OCTOBER 6-7, 1984

CONFERENCE— SATURDAY, OCTOBER 6, 1984  
FLEA MARKET — SUNDAY, OCTOBER 7, 1984



MT. AIRY VHF RADIO CLUB, INC.



TEAR HERE

FOR

CALENDAR OF COMING EVENTS

Syllabus by Lee, K3MXX

SEPTEMBER \*\*Happy Autumnal Equinox you all\*\*

- 1 10 A.M. "Lick and Stick" Hamarama mailing session at QTH W3ZD - Warminster, Pa.  
Lunch will be served.
- 3 Labor Day - Enjoy the nice 3 day weekend
- 5-6 YL Howdy Days - Talk to a nice YL in their contest - all bands
- 9 Gaithersburg Hamfest - One of the biggest along the East Coast.
- 8-9 ARRL Sept. VHF QSO Party - an ideal contest to tune up the station for the big one  
in January. Rules August QST Page 74.
- 9 GRANDPARENTS DAY
- 9 Findley Ohio Hamfest - Their 42nd Annual. One of the oldest in the country.
- 13 Board of Directors Meeting QTH - NF2L Bill Smith, 47 Langdon Rd., Burlington, N.J.  
609-386-4504. Directors and interested parties always welcome. Come out and help  
run our club.
- 16 South Jersey Radio Assoc. Hamfest - Pennsauken High School, Pennsauken, N.J.  
Our neighbor radio club cross the river - a nice hamfest and only across the  
Palmyra Bridge. Come cross the river and enjoy the day. It is bigger and better  
every year.
- 16 For our New York Friends - Long Island Hamfest - Islip Speedway, Islip, N.Y.
- 20 General Club Meeting - First indoor meeting of the Fall Season, Southampton  
Free Library, Street Road, Southampton, Pa. 8:00 P.M. Topic: To Be Announced  
On The Nets. The Mario Raffle, Frankies Silent Auction, Refreshments. An open  
meeting to all radio amateurs and their friends. Bring along a friend and make  
him a member. Introduce him to the world of VHF and The Pack Rats.
- 22-23 York Hamfest (2 days) Seminars Saturday - Tailgating both days. Banquet Sat.  
Night. Info: 717-166-5416 (nites only) or York Hamfest - Box W-Dover, Pa. 17315
- 23 Full Moon Tonite...Good cider sippin time...
- 22-23 ARRL Roanoke Division Convention, Virginia Beach Pavilion, Virginia Beach, VA.  
Lots of activities - 2 day Flea Market - Mfg. Displays, etc...
- 27 Rosh Hashanah
- 29 Elmira, N.Y. Hamfest

\* \* \*

Some people make things happen...Some people watch things happen...some wonder -  
What happened????

You never get a second chance to make a good first impression...

Ruth rode on my motorbike, directly back of me; I hit a bump at 65 and rode on  
ruthlessly....

\*\*\*Burma Shave\*\*\*\*

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. NO TUNE 1000 WATT AMPLIFIER: Amp Supply Co. now has available the LA 1000 NT amplifier covering the range 160-15 meters. Drive requirements are 100 watts PEP from the exciter. Full break in operation on CW operation is provided for. The LA 1000 NT uses 4 6MJ6 tubes and the power supply is built into the compact cabinet. Price \$530.
2. TRI-BAND MINI BEAM: The TET HB23M covers the 14/21/28 MHz bands and features a gain of 4/6/6 DB on these bands. Size is the very compact 16 feet for the boom on the 2 element 23M. A three element version is available on a 9 foot boom with an additional 1 Db gain per band. Weight is 20 pounds for the 2 el. and 28 pounds for the 3 el. beam. Price \$260 and \$330 (Available through Lunar Electronics.)
3. ICOM IC R71A RECEIVER: The new R71 is an improved version of the R70 receiver which has become popular during the past 2 years. The space occupied by the speaker on the R70 is used for a 16 key pad used for direct entry of frequencies. The operator can program 32 frequencies into the memory circuits which can then be recalled at the touch of a button. Options include an infrared remote control, FM detector, and a synthesized voice frequency readout. activated by a button on the front panel. Price \$700.

\* \* \*

VHF/UHF REPORT

By Joe, W2EIF

The band conditions continue poor for all bands, and with the Eskip season on the wane; hope for improvement seems slim.

I do not recall any year that has been so consistantly poor for propagation of all types. Usually during the low sun spot cycles, the Eskip is very good -- not so this year! Openings on six have been few and usually short with very little double-hop.

The English stations who can use 50 Mhz, when the TV stations are off, are not coming through. Few contacts have been reported.

Most of the contests to date have been conducted under poor conditions. Let us hope that the Sept. QSO Party (Sept. 8-9) will offer some improvement. CU then.

\* \* \*

ARRL BULLETIN NR 63 FROM ARRL HEADQUARTERS NEWINGTON CT AUG.6, 1984 TO ALL RADIO AMATEURS: THE FCC has received two petitions for rulemaking requesting that the 220 Mhz band be shared with land mobile radio services. Remember, these are petitions for rulemaking and not FCC notices of proposed rulemaking. See QST, March 1982, Pg. 66, for comment procedures. Rm. 4829 filed by the land mobile communications council, LMCC, principally seeks frequencies in the 800 Mhz band, but says that portions of the 220 to 225 Mhz band could also be used for land mobile radio services. Rm 4831, filed by a manufacturer of amplitude companded sideband equipment, sideband technology, Inc., asks the commission for 216 to 222 Mhz for narrow band ASCB channels for private and government land mobile systems. Comment deadlines for both petitions are Aug. 29, with reply comments due on or before Sept. 13. Latest bulletin mailed to OBS was Nr. 61.

\* \* \*

TECH NOTE

Owners of Yaesu FT-726R wondering how to arrange for side-tone when using CW; here is the answer. On the right hand side on top of the unit is a switch panel- the switch marked "BURST/TONE" placed in the ON position will give you side-tone. (Tnx - W2AXU).

SWAP SHOP

FOR SALE OR SWAP: Collins 75A4 rcvr, high S/N - 3 filters; Collins R390A rcvr w/4 mechanical filters; Hasselblad 500 el body and 70MM back.

WANTED: Kenwood YG-455C (500 HZ) filter for TS 830S -have YG-455CN(250Hz)

CONTACT: Gus, K3GYS  
Phone: 609-767-3628 after 5:30 P.M.

FOR SALE: Heath HW16 CW xcvr with full break-in and matching VFO - excellent condition \$75. Drake TR22 FM xcvr - \$50.

CONTACT: Russ Sutton, W3MY  
Phone: 215-860-1383

FOR SALE: Henry Tempo 2002, 2 mtr. kilowatt amp. \$950

CONTACT: Warren, WB2ONA  
Phone: 201-257-3871

VHF and UHF stations and accessories from the Estates of W2AZL and W2DWJ available. Large sase for list - please CONTACT:

Warren, WB2ONA  
8 Gunia Street  
East Brunswick, N.J. 08816

FOR SALE: High Voltage (2000-3000 volt) pwr xformers for HB pwr amps; Bias supply xformers; high current filament xformers 2.5V, 6.3V, 10V, 12V, 36V.

CONTACT: Harry, W3CL  
Phone: 215-887-5052

WANTED: General coverage hf receiver.

CONTACT: Tony, K4AWS  
P.O. Box 15  
Sumterville, FL 33585  
Phone: 904-793-5202

FOR SALE: Henry Radio Tempo 6N2 2 KW Linear Amp. with external dow-key relays (this is the property of Stan Smith, K3II \$1050. Intermediate solid state amp. available - not included in price.

CONTACT: Ron Whitsel, WA3AXV  
Phone: 215-355-5730 after 4 PM

WANTED: N type plug connectors for 3/4 in. 50 hard line & UG21B type N plug

CONTACT: Ed Barbacow, K3ZCY  
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5x9x3 - 5.15	1.90	8x17x4 - 10.95	3.65
8x10x3 - 6.40	2.85	10x17x3 - 8.70	3.75
8x12x3 - 6.90	3.55	*10x17x3 3/4 - 11.95	3.75
8x12x4 - 8.50	3.55	10x17x4 - 12.95	3.75
10x14x3 - 8.40	3.65	*10x17x5 - 18.45	3.75
6x17x3 - 8.25	3.60	*8x18x3 - 8.95	3.75
8x17x3 - 8.40	3.65	*8x18x4 - 11.50	3.75

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VISITORS - AUG. 16, 1984 MEETING

Loretta Cutler, Elkins Park, Pa. (K3GAS)  
Sylvia Stein, Glenside, Pa. (W3CL)  
Sally Rowland, Phila., Pa. (W3NSI)  
Rose Brown, Norristown, Pa. (W3IIT)

Dona Adams, Levittown, Pa. (KD6KD)  
Sandy Olson, Quakertown, Pa. (W3HQT)  
Janice Connors, Tabernacle, N.J. (WB2NPE)  
WA2WYE, Florence Power, Trenton, N.J.  
KA2NYF, Janet Cormaney, Voorhees, N.J.

CHANGE OF ADDRESS

WB2RVX - Dr. Michael F. Gullo - Janet, KA2NYF  
22 Tenby Chase Drive  
Voorhees, N.J. 08043  
609-768-4789  
609-964-8040 (Office)

WA3NUF - Phil Miguelez  
445 Ivy Street  
Warminster, Pa. 18974  
215-675-4277

TELEPHONE NUMBER

KD6KD - Greg Adams  
215-547-3516

NOTICE

Third Call Area QSL Service: Cumberland County AR Service, P.O. Box 448  
New Kingstown, Pa. 17072-0448

This bureau will only accept self-addressed envelopes approximately 5 X 7 1/2 inches in size. It will not offer the mailing credit system used previously.  
PLEASE NOTE THIS VERY IMPORTANT CHANGE.

\* \* \*

NEWS RELEASE

The Foundation for Amateur Radio is pleased to announce the 1984 winners of the fifteen (15) scholarships which it administers. John W. Gore Memorial Scholarship - \$900, David J. Schmocker KJ9I - Oconomoc, WI; Richard G. Chichester Memorial Scholarship - \$900, Paul D. Sargis, KI6U - Modesto, CA; Edwin S. Van Deusen Memorial Scholarship - \$350, Timothy Wettach, N2TW - Webster, NY; QCWA Silent Key Memorial Scholarships - \$500 each, Bruce A. Wade, N9UR - Glendale, WI, Ian R. McNicholl, KA9KOW - La Habra, CA, Scott Smith, KA2EMO - Malone, NY; Radio Club of America Scholarship - \$500, Doyle B. Johnson, KF6BD - Pleasant Hill, CA; Edmund B. Redington Memorial Scholarship - \$500, David Swiatlowski, KA2KLM - Camillus, NY; Young Ladies' Radio League Scholarship - \$500, Diane E. Willemín, N8CAY - Elyria, OH; Amateur Radio News Service Scholarship - \$500, Marc C. Vernon, KI9V - Hinsdale, IL; Columbia (MD) Amateur Radio Association Scholarship \$650, Eric J. Smith, KA3KJO - Silver Spring, MD; Baltimore (MD) Amateur Radio Club Scholarship - \$500, Richard A. White, Jr., KA3T - Mt. Airy, MD; Dade Radio Club Tropical Hamboree Scholarships - \$500 each, Wayne F. Poole, KC4XL - Surfside, FL, Craig F. Rodgers, WA4C - Boca Raton, FL; Lewis G. Wilkinson Memorial Scholarship - \$500, David Cheitel, KA2PNR - Bronx, NY. These scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors. The Foundation is a non-profit organization representing 50 clubs in Md., the District of Columbia and N. Va. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service. Info. regarding 1985 awards will appear in the April or May issues of the major amateur radio publications.



UHF CONTEST REPORT  
By Bill Olson, W3HQT

Those who operated the UHF Contest August 4 and 5 hopefully heard or worked W3CCX/8 from Spruce Knob, W. Va. A crew of 10 die-hard Pack Rat contesters made the 350 mile jaunt to the 4861 ft. mountain site. Equipment was brought along for 220 thru 2304 Mhz as well as Gunnplexers for 10 GC. Power was supplied by gasoline generators. When we arrived Friday afternoon, the weather was cloudy and windy and wet. Things would undoubtedly improve - they didn't! Tents were erected that afternoon and stations were assembled slowly in the rain. A faulty generator took out the first 432 station - we had spares. We did some tests with a 10 watt 2 meter liason station; conditions seemed poor - they would undoubtedly improve - they didn't! By Saturday morning we had 130 watts on 220, 100W on 432, 30W on 1296, 18W on 2304 and the 50 MPH winds of the night before hadn't blown down any antennas or tents. The "Rover" station was set up and a few contacts were made on 432 and 1296 from W3HQT/Mobile 8. Things were as ready as they could be. All we had to do was keep everything running for 24 hours.

At 2 P.M. everyone crawled into the flapping water-soaked tents for the start of the contest while WA3JUF and W3HQT headed off for FM09, EM99, and EM98. Heavy rain and 50 MPH winds made the night go quickly, but the generators kept running and RF kept coming out of the antennas. With horrible propagation to the Northeast and the usual sparse activity in August, the Rats turned in a pretty reasonable score. Section counts were 35 on 432, 26 on 220, 16 on 1296, 4 on 2304, and 3 on 10 GHz. Best DX contacts on 220 and 432 were in the Chicago, Ill; Nashville, Tenn; Boston, Mass; and Atlanta, Georgia areas. 500 miles in all directions, not bad on a dead band! On 1296 we worked a number of Michigan, North Jersey and Southern North Carolina stations about 300 miles DX. Highlite of the contest was a contact with AB4L on 10 GHz. This is a 70 mile path to Western Virginia in the FM07 grid. Signals were Q-5! "The things work!" exclaimed Phil, WA3NUF. Congratulations and thanks to all who participated: WA3AXV, WA3NUF, WA3JUF, N2SB, WB2NPE, WB2RVX, K2EVW, N3CX, KD6KD and W3HQT. See you all next year from "Pack Rat Mountain", Spruce Knob.

\* \* \*

TID BITS

Sunwatcher, Jack Power, W2AXU, reports the monthly No. for July, 1984 = 37 -- smoothed No. for January 1984 = 55.

Congratulations to the Philmont Mobile Radio Club celebrating their 35th Anniversary.

Congratulations to Walt & Candice Bohlman, K3BPP, on the birth of a daughter on August 5, 1984. Our best wishes to Samantha Jorn weighing in at 9 lbs. 4 oz. A new Jr. Op.

Congratulations also to Susan and Warren Whelan (WB2ONA) on the recent addition to their family - Mother and Jr. Op doing fine.

WB2NPE is chairing the following committee; WB2ONA, N2SB and WA3AXV; to respond to RM4829 and RM4831 reference reallocating the 220 Mhz band for land mobile use.

W3FQD, Dick Huntzinger was hospitalized recently - home now and feeling better.

William Stackhouse, W1HXX, originally from Salem, N.J. became a silent key on August 10, 1984 at Lake Panasoffkee, Florida, his recent residence. Tony, K4AWS phoned the news to W3CL. Our condolences to Bertha - the Stackhouses were old friends of the Pack-Rats and the Delaware Valley Chapter of the QCWA.

QST DE W1AW  
HR ARRL BULLETIN NR 58 FROM ARRL HEADQUARTERS  
NEWINGTON CT JULY 20, 1984  
TO ALL RADIO AMATEURS BT

THE FCC RELEASED ON JULY 20 A SECOND REPORT AND ORDER ON THE HF PHONE BAND EXPANSION DOCKET, PR DOCKET NUMBER 82 83, AND ALSO GRANTED THE PETITION, RM 4228, FILED BY RANDALL F. SOBALL, KH6XX, ALLOWING PHONE OPERATION ON 7075 TO 7100 KHZ IN THE STATE OF HAWAII.

EFFECTIVE 0001 UTC, SEPTEMBER 1, 1984, THERE WILL BE THE NEW HF RADIOTELEPHONE BANDS.

3750 TO 3775 KHZ EXTRA CLASS  
3775 TO 3850 KHZ ADVANCED AND EXTRA CLASS  
3850 TO 4000 KHZ GENERAL, ADVANCED AND EXTRA CLASS

21200 TO 21225 KHZ EXTRA CLASS  
21225 TO 21300 KHZ ADVANCED AND EXTRA CLASS  
21300 TO 21450 KHZ GENERAL, ADVANCED AND EXTRA CLASS

28300 TO 29700 KHZ GENERAL, ADVANCED AND EXTRA CLASS

WITH REGARD TO THE 40 METER BAND, FCC CONCURS WITH ARRL THAT PHONE BAND EXPANSION HERE WOULD BE DETRIMENTAL TO CW OPERATIONS. HOWEVER, THE COMMISSION WILL ALLOW PHONE OPERATION ON 7075 TO 7100 KHZ IN HAWAII AND OTHER AREAS NEAR REGION 3, AND ALASKA.

REMEMBER THAT THESE NEW PHONE PRIVILEGES ARE NOT AVAILABLE UNTIL 0001 UTC, SEPTEMBER 1, 1984.

IN SUMMARY, THE COMMISSION ADOPTED THE PLAN AS SUBMITTED IN THE ARRLS COMMENTS, WITH THE ADDITION OF EXPANDED PHONE OPERATION AT 7075 TO 7100 KHZ IN CERTAIN GEOGRAPHIC AREAS NEAR REGION 3. DETAILS WILL BE IN THE NEXT ISSUE OF THE ARRL LETTER AND SEPTEMBER QST AR

\* \* \*

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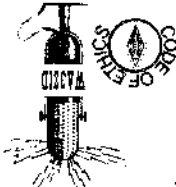
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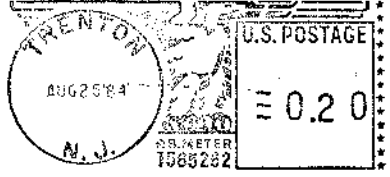
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