

PACK RATS'



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

CHEESE BITS



MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PA.
50,125, 144,50, 432.110, 1296.025 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 18966

ARNS

VOLUME XXIV

JUNE, 1982

NUMBER 6

THE PREZ SEZ

Summer is upon us with the June Contest coming up in a couple of weeks. The mad rush of tower installation and antenna alignment will require help from all. The early hours of the contest will be busy with loggers/dupers having a hard time keeping up with operators on the lower bands. As Sat. afternoon runs into evening, there'll be a lull around suppertime and then activity will pick up towards dusk and early evening. Hopes for tropo on 2 meters and 220 may be rewarded. The thud of rotor brakes engaging and disengaging will be heard thru the evening and night as activity is reduced and all directions start to be searched for contacts and new sections. It's really good to look forward to another contest with all the guys and working everyone in the contest. It's one of the joys of club activity that we look forward to. Hope you can get out and enjoy the fun of working together and even if you can't, please try to work the club on all bands. As usual, its 50 MHz thru 10GHz and all most everything between. A phone will be available at the contest site (215-822-8363) to set up schedules to rare sections so routine info to the contest operators should be handled thru the 220 repeater. As usual, volunteers are requested for teardown on Sun. night. Traditionally, this is done in the rain and we'll try not to dissappoint anyone this year either.

Steve Place, WB1EYI, from ARRL was the speaker at the Annual ARRL Night in May. Steve hasn't much VHF experience, but he is enthusiastic about ham radio and all of it's many facets. In addition to giving a brief rundown of headquarters activities, he joined in a lively discussion of contesting and possible contest rule changes. I, for one, am not against changes in any of the rules, but think that objectives should be established for each contest (including HF contests). Then each rule and proposed rule change should be evaluated on its effects on the contest objectives. I think that a lot of the present rules should be changed, but several of the proposed changes seem to be experiments to see what will happen with little foresight on their effects. No guarantees are expected but.....

Elections for new club officers will be held in June so check the list of candidates and add to it if you think someone else will do a better job. We're always looking for workers and you don't have to be an elected officer - just willingness to work. Recent work volunteers include Lee, K3MXM who will head up Hamarama in October.

73, Harry, W3IIT

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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We operate on an exchange basis with other publications. Anything that is printed in CHEESE BITS may be reprinted, unless otherwise stated, provided that proper credit is given.

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

<u>MONDAY NIGHT NETS</u>	<u>NET CONTROL</u>
7:30 PM - 50.125 MHZ	W3CL-W3HQ7
8:00 PM - 144.150 MHZ	W2EIF
8:30 PM - 222.98/224.58	K3GAS
9:00 PM - 432.1 MHZ	K3IUV-WA2DPU
9:30 PM - 1296.025 MHZ	W3CXU

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CALENDAR OF COMING EVENTS
Syllabus by Lee, K3MKM

- JNE
- 1 Dairy Month - Drink Up
- 2 For our Southern Friends - Happy Birthday - Jeff Davis
- 4 A real Historical Note - Roquefort Cheese Developed - 1070
- 6 Jersey Shore Hamfest - 100 Grand Ave., Jewish Community Center, Deal, N.J.
- 6 Manassas Hamfest - Prince William County Fairgrounds, Manassas, Virginia
- 6 "D" Day - Normandy - 1954
- 9 First Horn and Hardart Restaurant opened in 1902 - sure could use one of their 5¢ cup of coffee today....
- 10 Board of Directors Meeting - QTH - N3AHI, Jim Holt, Valley View Road, Coopersburg, Pa. Phone: 215-967-3902. Directors and interested parties always welcomed.
- 12-13 ARRL June VHF QSO Party - The Club will be at Hilltown, once again, and all the help is wanted and needed for many activities. Contact Bill, W3HQT and offer your services.
- 14 Flag Day
- 4-17 IEEE Convention - Franklin Plaza Hotel, 17th and Race Sts., Phila., Pa.
Monday Nite is Amateur Radio Nite and W3HQT, Bill and WA3JUF, Dave will give a special presentation. Need volunteers to man Philmont Booth.
- 17 General Club Meeting - Southampton Free Library, Street Road, Southampton, Pa. 8:00 P.M. Election Nite. Come on out - vote for your favorite candidate. N6NB will speak on contesting. The Mario Raffle, Frankie's Silent Auction, Refreshments. Club By-Law changes and radification. We need 51% membership turn out!!
- 19-20 Summer SMIRK Party
- 19 W2QW Hamfest - Columbia Park, Dunellen, N.J.
- 20 FATHER'S DAY - Be sure to leave those advertising brochures in those places where they will do the most good. A Historical Note: Father's Day celebrations began in 1910!
- 21 Summer Begins
- 26-27 ARRL Field Day
- 27 Schedules 4th Launch of COLUMBIA
- 29 Last of the Trivia for the Month -- The CAB was invented by Joseph A. Hansom in 1882.

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. 220 MHZ TO 450 MHZ SCAN CONVERTER, CVR 216: Hamtronics has available a converter that will convert the 216-225 Mc range to receive on a UHF scanner covering 468-477 Mc. It would be possible to pick out the simplex and repeater channels and program the corresponding frequencies on the UHF receiver. Since there are no scanners that cover the 220 Mc band, this is one way to avoid buying a bunch of crystals. Ten crystals would cost the same as this converter as a kit. Cost \$50 kit - \$80 factory wired. This model is available thru Grove Elec. Brasstown, N.C. 28902
2. TALKMAN T/R: An interesting little TR has appeared on the market, aimed mainly at non-hams. The Standard Comm. Talkman operated on the 49 Mc band but might be converted to 6 meters if necessary. This main unit clips to a belt while the earphone mic. antenna unit is worn in the headset manner. Voice control is used to switch from receive to transmit, leaving the hands free for antenna work at the top of a tower. Range is 1/4 mile using the FM mode. Power is obtained from a 9V bat. Price about \$100 at various retail and discount houses.
3. TWO METER HI PWR AMP.: Tokyo Hy-Power Labs has a 160 watt amplifier that can be driven by a 3-12 watt signal. The HL 160V features all mode operation and a built in receive preamp. Power meter is mounted right on unit, along with switches for all functions. Price \$350 Encomm, Inc., 2000 Avenue G, Suite 800, Plano, Texas 75074

* * *

VHF/UHF REPORT

By Joe, W2EIF

The six meter band has opened in May as usual. I am indebted to John, N3BHS for the following: John works QRP on six and reports that he caught openings on the 11th, 13th and 15th with a lot of Mid-West and Southern States. His prize was VP5D. There should be a lot of openings over the next 2 months. There is also a report that 2 was open to Florida from this area.

Don't forget to monitor 2 meters plus or minus 2 weeks around June 21 for Eskip. Also, don't forget that we need a lot of help at the June QSO site for set-up and tear-down. Also, don't forget to operate during the contest. There are no restrictions on 223.5 this year!

* * *

FROM WESTLINK REPORT NO. 367 - MAY 21, 1982

THE LUNAR LETTER IS A NEW MAGAZINE DEVOTED TO VHF/UHF EXPERIMENTATION, with special emphasis on 144, 220 and 432 Mhz EME work. Published twelve times a year, subscriptions are available for \$7.50 from WB6TOC and KI7D, 312 12th Ave., Nampa, Idaho 83651.

QEX, THE ARRL'S ESPERIMENTERS' EXCHANGE NEWSLETTER has become a monthly publication effective with the May issue. The subscription rate is \$6 per year to ARRL members and \$12 for non-members. Thanks W4RI, editor of QEX.

SIX METER DX: Some important frequencies to remember as the six meter DX season comes upon us are: 28.885 MHz on 10 meters, as the "DX coordination channel," and the following two Pacific DX Windows: "ZL" on 50.740-50.760 and "VK" on 51.740-51.760 MHz, both for phone contacts. Finally, this reporter was privileged to hear the T12NA Beacon on the telephone from San Antonio, Texas while getting this report. It was reported sitting at S-7 through most of May 1st. Thanks K5ZMS/SMIRK.

* * *

It is a great life if you weaken early enough to enjoy it....

One thing I never understood: On the Post Office Wall, they have pictures of wanted men. Why didn't they hang on to the guy when they were taking his picture....

SWAP SHOP

FOR SALE: MT-2000A Antenna tuner - Brand new, never used. \$149.

CONTACT: Fred Hausler, W2IPP
53 Trotter Way
Erma, Capemay, N.J. 08204
Phone: 609-884-2079

FOR SALE: 3B 110 - 6 mtrs - \$175.

Hallicrafters HA6 - \$60. 6 mtr. transverter

CONTACT: Gary, WA2OMY
Phone: 215-539-6409

FOR SALE: Kenwood TS 180S, SP 180, VFO 180 w/manuals \$840.; Atlas 350XL w/350 VFO, 350 PS, mobile bracket \$600; Genave GTX 600 w/micr. \$125; Johnson Phone patch \$5; Heath SO-4510 Scope 15 mc dual trace w/manual \$350; KLM 450-14 beam new \$25; KLM 219-226 beam, new \$35; KLM 144-16 beam, new 2 ea @ \$50; Wilson M 420A beam, new, \$80; 2 new cantennas @ \$10; 48' Rohn 25 tower, Swan TB3HA Beam and CDR Hamm-III Rotator - in place, easy removal by buyer \$325; Numerchron 24 hr. digital clock \$15; OpSCAN pwr sply. 12v @ 5 A, 12v @ 15A, 5v @ 10A - \$20; Miida Digapet counter to 160 mhz w/manual \$100; Standard SR-C830S50 marine handy-talkie. Commercial type approved - Brand new \$325; 2 mtr. Long-John Beam new APL-210-144.5 mhz 10 element - for the serious 2 M DXer. \$25.

CONTACT: Jim Spencer, W3BBB
Phone: 215-884-8469 or 884-7770.

COMMERCIAL ADS

Pack-Rat "T" Shirts

Logo only - \$4.75 - Logo/Name & Call - \$5.75
Pack-Rat Hats \$5.75. See or call Gene,
WB2UVB, 609-234-3926

* * *

SHOW TRUCKS FOR SALE

1982 Ford Ranger show truck: 4 cyl. 2.3 litre, 4200 gwvr, Am radio, auto, P.S., XL trim, west mirrors, tinted glass, aux. tank, candyapple red, Reading space cap enclosure & ladder rack. Asking \$8514.00

1982 Ford F250 show truck: 6 cyl. 300 eng. 8700 gwvr, auto, P.S., west mirrors, aux fuel tank, Reading ready cap enclosure, ladder rack, tinted glass, med. blue met. A-Title availble. Asking \$9429.00

1982 Ford F 250 showtruck: 6 cyl. 300 eng. 8700 gwvr, auto, P.S., AM-FM radio, aux. fuel tank, med. blue metallic, A-title available. Reading space cap enclosure. Asking \$8949.00 (PICTURES AVAILABLE AT W3CL)

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FOR SALE: (This is a partial list - contact WB3CPW for complete list)

Kenwood 700 SP - 2 mtrs with 80 watt Lunar amp. and preamp. \$525; Tempo 2002 - 1 KW. 2 mtrs.(2-8874) factory installed T/R switch \$900; Clegg FM 220 Mhz & KLM 60 watt amp & hustler vertical \$350; Palomar DC30A - 30 amp. regulator pwr. sply \$175; Kenwood TS600 - 6 mtrs with KLM 80 watt amp. (unit only) \$500; Drake TR4 cw/rit and R4VC just back from factory with spare set new finals \$600; Bird wattmeter, case-plugs - 2-30Mhz 250W; 100-250Mhz 50W; 2-30 Mhz 2500W; 100-250Mhz 250W; 25-60Mhz 100W \$275. (All plus shipping)

CONTACT: Charley Cloud, WB3CPW
Phone: 215-646-6012

* * *

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5x9x3 - 4.00	1.85
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8x17x3 - 7.00	3.40
10x12x3 - 7.00	3.50
10x17x3 - 7.75	3.75

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Byers

CHASSIS-KIT, 5120 Harmony Grove Road
Dover, Pa. 17315

FOR SALE: 40' Rohn 25G tower including 5' mast, rotor plate. Excellent condition. Must sell quickly.

CONTACT: Bob Wilderman, K3SRO
215-822-7474 after 5 PM
215-661-5938 (daytime)

FROM CIRCUIT BOARD
KAP'S COLUMN
BY Jordan Kaplan,
W9QKE

Amateurs by and large are intelligent people who by the mere fact that they were able to obtain that FCC ticket, are supposed to be clever, smart, and common sense oriented. If all of the above is true, I wonder how we continue to play the part of what was described as "There's one born every minute", when Barnum was defining a sucker.

There was a time in the history of Amateur Radio, after the original experimenters had built all of their stations, when American industry came to the rescue with manufactured receivers and transmitters. In those days prior to, and just after WWII, models were introduced and sold for several years, and in some cases for a decade. John Q Ham paid for his new store-bought stn and was able, by operating year after year, to become quite proficient in its use and maintenance.

Today the marketing technique of the Far East manufacturers has convinced one and all that the only way to be happy in Amateur Radio these days is to buy and use only "state of the art" items. Of course this means that whenever a new item is announced in the various Amateur Radio publications, you are expected to go right out and buy the new product, since your present box is "old fashioned", "obsolete", etc. A look thru some past issues of these publications during the last five or six years will show you that the big guns in electronics on the other side of the Pacific seem to create a ready world wide market by introducing new products two or three times a year. If these new products were brought out because of major improvements we might be able to understand the need for a new model. The fact is, that a signal transmitted on SSB sounds the same from most any rig made in the past 20 years. (Not withstanding the jokers with the misadjusted processors.) We have progressed with receivers to the point that instead of leaning back and enjoying the receiver as it takes in stride the weak signal as well as the strongest, we now have to play games with either a switch or an RF attenuator to handle the big signals. Oh, they change the readouts from analog to LED, to LCD - the meters from analog to LED to LCD - the knobs from pointed to round, to rectangular - the switches from toggle to slide, to rotary, to push button. I guess as long as we are stupid enough to go along with this marketing madness, we all deserve to be parted from our hard earned dollars, and to increase the GNP of Japan. So all along it seems that Barnum was right, except he should have changed the story to say, "There is a sucker born every Kiloherztz.

Remember, CW still sounds like CW, SSB still sounds like SSB, and FM still sounds like FM, in spite of the color, the size, the shape of the cabinet, and all the fancy adornments to the box.

* * *

HILLTOWN, PA.

JUNE VHF QSO PARTY ---- THE 12th & 13th

Bill Olson, W3HQT, Chairman

Team Members

6 Meters - WA3AXV - Captain	220 Meters - W3HQT - Captain
N3AHI - Assistant	WA3WAS - Assisant
2 Meters - WB3CDE - Captain	432 - WA2DPU - Captain
WØRSJ - Assistant	WB3JYO - Assistant
	1296/2304 - WA3JUF - Captain
	WB2RVX - Assistant
	10 GC - WA3NUF - Captain
Power and Telephones - WA3YUE	
Schedules - W3IIT	
Material Logistics - WB3IND and KD6KD	

Set-up starts on Friday June 11th. W3HQT will be at Hilltown on Thursday evening.
Pack-Rat phone at Hilltown 215-822-8363.

BALLOONS ARE A MOVING TARGET

From the Trenton Times

Submitted by W2AXU

You think Hams are the only ones that have problems with local ordinances -
Read On -----

Hopewell Township - When Sir Isaac Newton wrote the first law of gravity -- "what goes up must come down" -- chances are he never imagined the problems his discovery would cause for folks in Hopewell.

The Hopewell Township Committee last fall passed an ordinance to charge fees to private and commercial balloonists. But state officials, citing federal law, have charged that the local ordinance "usurps" their powers. The ordinance has been put on hold while state officials, balloonists and the township committee try to negotiate a peace before the dispute ends up in court.

The fight began last summer, when residents met to complain that balloons launched from Twin Pines Airport have landed on their property, caused damage, frightened livestock and invaded their privacy.

A few months later, the committee unanimously approved yearly fees of \$250 for commercial balloonists and \$100 for individual sport enthusiasts. A \$50 fine for landing balloons without permission also was imposed.

But state officials had warned the township committee even before the ordinance was passed that it was stepping beyond its legal jurisdiction and might face court action.

Because balloons are considered "aircraft", they are regulated by the federal and state governments and must be "recertified" yearly, along with the people who operate them. Local governments may not write laws which supersede either federal or state law.

Mrs. Hoyer maintains that the ordinance does not "preempt" either state or federal authority because it covers the "operation" of the craft and is not a license for the balloon or its pilot.

State officials disagree. John Santarsiero, acting director of the N.J. Dept. of Transportation's aeronautics division, said the Hopewell ordinance is "usurping our authority to license facilities and control the activities of balloons."

Once the balloon leaves the ground, he said, it becomes the jurisdiction of the Federal Aviation Administration. If each municipality wrote its own restrictions, the resulting regulations would be "chaos," he said.

Santarsiero said that the Balloonists' Advisory Committee, a group of balloon enthusiasts, currently is writing a "code of ethics", a set of voluntary guidelines for balloon pilots.

Both Mrs. Hoyer and Santarsiero predicted that if a compromise was not reached the next battle would be fought in court.

* * *

FROM THE RARARAG --

This Month's Definition

Bet you didn't know that BNC stands for Bayonet Neill-Concelman. Paul Neill and Carl Concelman, both engineers at Bell Labs, invented this famous connector. Paul, incidently, also invented the Type N connector, and Carl the lesser-known Type C - used mostly in aircraft and avionics.

There's also an HN (high-voltage type N), an SC or Screw C, and a threaded version of the ubiquitous BNC, called TNC. Learn something new every day. Tnx - NARC NEWSLETTE

* * *

VISITORS AT THE MAY 20, 1982 MEETING

W3ABC - Hugh, College Park, MD.
WB1EYI - Steve, Newington, CT.
W3EEX - Sean, Holland, Pa.
WB3AOP, Bolmar, Phila., Pa.
W3EY, Cole, Glenside, Pa.

KA2NYF - Janet, Deptford, N.J.
WB2UVB - Gene, Moorestown, N.J.
KA2CQX - Janice, Moorestown, N.J.
K3DUA - Jeff, Rockville, MD. (Potomac Area VHF)
WB3EFO - Ed Lee, Huntingdon Valley, Pa.

ELECTION OF OFFICERS AT THE JUNE 20, 1982 MEETING

The following have been nominated by the Nominating Committee:

President - John Tate, K3KTY
V. President - Bill Smith, WA2DPU
Cor. Secretary - Dave Zimmerman, W3ZD
Rec. Secretary - Lyn Rowland, W3NSI
Treasurer - Doc Cutler, K3GAS

Board of Directors (2 year term)

Mike Gallo --- WB2RVX
Dave Power --- WB2VLA

* * *

TID BITS

Sun watcher, Jack Power, W2AXU, reports the Sunspot No. April 1, 1982 = 122.5.
Smoothed number for October 1981 = 142.1.

Congratulations to Vic Clark, N4KFC on his election as ARRL President. Best wishes to David Sumner, K1ZZ on his appointment to League General Manager.

Dick Bokern, WB9PUJ returned from an official trip to China - had an FB Telcon with him a few days ago. China's return to Amateur Radio was passed on to the ARRL - BYLPK located in Bei Jing.

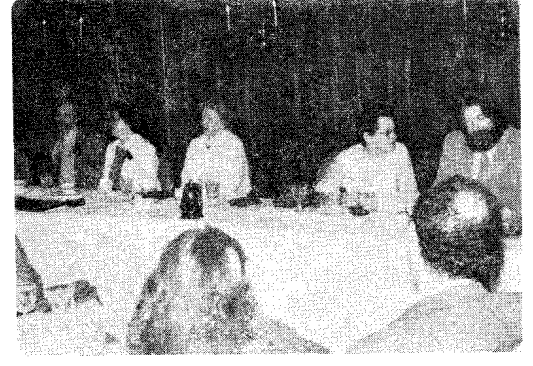
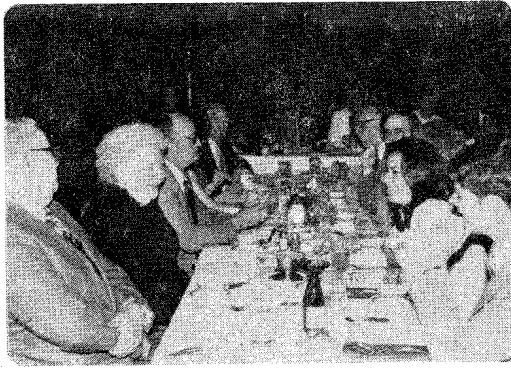
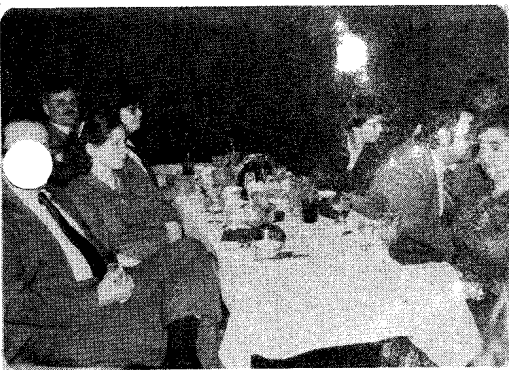
Our Atlantic Division Director, Jesse Bieberman, W3KT is in the Phoenixville Pa. Hospital. Wish him a speedy recovery.

Mark your calendar - El Weissman, K3JJZ is scheduled to present the Pack-Rat Moonbounce DXpedition to Colombia, S.A. to the Penn Wireless Association on July 26, 1982. If you missed his talk this is a good chance to catch up on an outstanding presentation.

Hamarama Chairman for 1982 is Lee Cohen, K3MXM. VHF Conference Chairman is Dave Zimmerman, W3ZD.

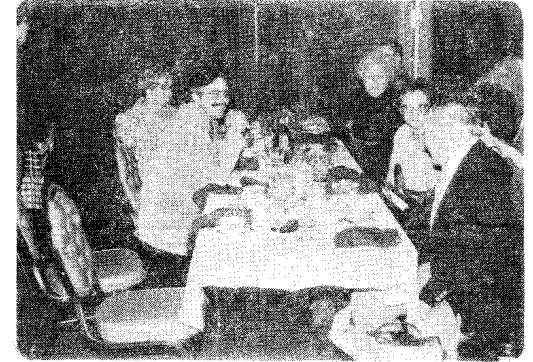
Attention Penna. Hams- you must be concerned with local tower ordinances...please get in touch with your district representative to the state legislature and urge him to back Penna. House Bill No. 1779.

1982 January VHF SS results (from June 1982 QST) - 1st place- Mt. Airy VHF RC, 2nd place - Rochester VHF Group (NY), Rochester ARC (MN). In the high ten scorers we counted 8 Pack-Rats. Single Op winner W3HQT (the new King) Congratulations to all.



THE BANQUET

AWARDS



THE PREZ, W3IIT PRESENTS W3HQT WITH THE "MAN OF THE YEAR AWARD"



A DISCUSSION WITH "NUMERO UNO" (W3HQT) BY K2EYW AND WA3NFV. W3HQT HI-SCORER IN JAN. '82 VHF SS.



OUR VEEP AND BANQUET MC, K3KTY GIVES W3HQT HIS HOMEBREW '82 PLAQUE



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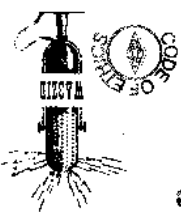
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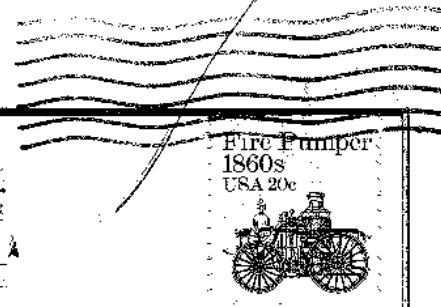
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