

THE  
NKARC

# FEEDLINE



KENTUCKY HAMS IN ACTION  
NORTHERN KENTUCKY AMATEUR RADIO CLUB - K4CO  
P.O. BOX 31, FT. MITCHELL, KY. 41017

Vol. 3  
Num. 4

APRIL 1976

CLUB MEETING: First Tuesday of the month at 8:00 p.m. Meeting location given below.  
Summer meetings held at members' QTH.  
CLUB NET: Every Tuesday at 7:30 p.m. on 146.58 mhz fm.  
CLUB TRAILER: Located in Erlanger, Ky.

## COMING EVENTS

APRIL 6 NKARC MEETING  
23-25 Dayton Hamvention  
28 Cancer Drive  
MAY 4 NKARC MEETING  
30 KENTUCKY HAM-O-RAMA  
JUNE 1 NKARC MEETING  
12 VHF Contest  
26-27 Field Day  
SEPT 4-5 VHF Contest  
Cincinnati Hamfest

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\* NEXT MEETING \*  
\* TUESDAY, APRIL 6, 1976 at 8 p.m. \*  
\* at \*  
\* FRISCH'S RESTAURANT - COVINGTON \*  
\* Located at 5th and Philadelphia St. \*  
\* Basement meeting room - enter back \*  
\* employee entrance and down stairs \*  
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## CLUB MEETING PROGRAMS

Films, slides, and discussions on amateur topics will make NKARC meetings all the more interesting.

The April meeting will include an antenna program by Joe Burke, WA8OGS. Joe has built numerous antennas, and has quite a pile of books, articles, and notes on the subject. Some of the antennas he has experimented with include yagis, quads, collinears, rhombics, wire beams (21 elements!), and log periodics (built for 40 mtr., but not yet tried).

The May meeting will feature a slide program by Gary Johnston, WB4FAT, and will cover his "2 mtr DX-pedition in Europe.

ARRL films and slide programs will also be used at future NKARC meetings. Bob Pentz, K4DMA, is the program chairman and will schedule these programs. If you would like to give a program on an amateur subject, or have suggestions of speakers and/or program topics, contact Bob at 371-6488. He's waiting to hear your ideas.

## PRIZES, PRIZES

The HAM-O-RAMA committee has selected the major prizes for this year's NKARC sponsored HAM-O-RAMA. They are:

- 1st Wilson 2mtr Mobile WE-224  
24 channel unit, 1 or 10 watts
- 2nd Wilson Hand Held 1402SM  
6 channel, 3 watts
- 3rd Drake Wattmeter

Tickets on the major prizes should be available at the April meeting. Each club member is being asked to sell \$10 of tickets to help insure the success of this year's event. The proceeds pay the trailer expenses and help buy new communications equipment (the antenna installations and a G.E. commercial 2 meter rig were obtained with last year's proceeds).

This is your chance to help make our club the best equipped in the area!

## WCET TOUR

A guided tour of the new WCET studios is being planned for NKARC members. WCET is in the process of relocating its studios to Central Fkwy near Music Hall. Their new location will be the largest originating studios of any station in the area.

Joe Phirman, WB8HYP, is the NKARC member who works for WCET; he will organize the tour as soon as the new facilities are completed and operational (in about two months).

.../4

The FCC has proposed elimination of portable and mobile identifiers, and of advance notice of portable operation, in Docket 20686. Deadline for comment was Feb. 27, but the ARRL has asked for a sixty day extension. (March '76 QST).

## MARCH MEETING (MARCH 2, 1976)

Club president Roger Troy, WB8VHS, called the meeting to order at 8:05 p.m. The minutes of the February meeting were approved as read.

- W4YWH, Harold Blocher, has been appointed Communication Chairman of Disaster Services at city of Ft. Thomas. Head of this service is Capt. Jerry Monroe.

Harold is able to obtain surplus equipment from Frankfort, Ky. ~~Under~~ this organization, Harold also asked if the club wanted to set up a rig in the communications center underneath the city bldg.

This center includes communications for the police, fire, CB, amateur, and Red Cross. Emergency power will be furnished.

- Charles Sweet, K4MEE, reported that the tri-band beam is up at the club trailer. The hardline coax to the water tower is also buried and brought into the trailer.

- K4MEE will contact CG&E about the power problem at the trailer. He will also check on getting locks. Vick Fender has given permission to hook up a hose to the faucet in the pit in the water tower area for needed fresh water in a long term emergency (over 4 hours).

- WB4FAT, Gary Johnston, reported on the code and theory classes - he has ARRL material and is looking it over for reference purposes. Classes will probably start around the first of May. Gary was looking into the use of Northern Kentucky State College. W4VIA has already acquired permission to use Highland High School, in Ft. Thomas.

- K4MEE reported on the Cancer Drive, to be held on April 28 (in the evening). He needs more volunteers.

- K4MEE will check on printing of membership cards.

- WB8VHS and the Ham-O-Rama committee is still working on getting prizes for the event.

The meeting was adjourned at 9:00 p.m. Thanks to Dennis Lampe, WA8KIY, for recording the minutes in the absence of the recording secretary, WA8OGS.

| SELL   | TRADE | BUY | SELL |
|--|-------|-----|------|
| FOR SALE: DX ENGINEERING RF PROCESSOR -<br>for T-4X or T-4XB Drake. \$90<br>Contact: WA4DQY, Paul Asbury, 431-0136 |       |     |      |
| FOR SALE: CLEGG FM27B & D11 pwr supply.<br>\$325. Contact: Roger, WB8VHS, 661-5306                                 |       |     |      |
| FOR SALE: MIDLAND 13-505, 2 mtr, 12 channel, 30 watts. Contact: Stan Kasper, K4LIE, at 689-4306.                   |       |     |      |

## EMERGENCY NET

NKARC was alerted to call its emergency net on Saturday, March 20, at 6:10 p.m. The WX bureau had issued a tornado watch for the greater Cincinnati area.

Charles Sweet, W4VIA, assumed net control duties and called the net at 6:15 p.m. A total of 18 stations checked into the net on 146.58 mhz. The 19-79 repeater was used as a secondary frequency with 5 check-ins in addition to net control.

Stations checking into the net reported on WX conditions as the storm moved through the area. Fortunately, no adverse WX conditions were reported. The net adjourned at 9:49 p.m.

Note: Information on hail and high winds are of interest to net control - not random reports on rain or moderate winds. Reports from stations in the outer areas are most needed.

## ARRL CERTIFICATES

Dave Heil, WB4KTR, recently received his phone DXCC (worked 100 countries) and WAS (worked all states) awards from the ARRL. Dave is also working on the Bicentennial WAS - he still needs cards from 7 states to complete this.

Den Lampe, WA8KIY, received his Bicentennial WAS certificate - he was #21 in the country, first in this area. Den also recently received his WAS and WAC certificates.

The ARRL requested that Den send another QSL card for one of his states - the card he sent them for that state ~~didn't~~ didn't have the year 1976 written after the month and day of the contact! So check your cards carefully before sending them in.

## BITS AND PIECES

- Charles Sweet, K4MEE, has been listening to the OSCAR satellite lately. He has rebroadcasted it on two meters for others to hear on several occasions.

- The wife of Joe Burke, WA8OGS, delivered a baby girl on March 2 - 8lbs 15 oz and three weeks early! It's their second - both girls.

- Bill Mell, WA4KQB, finally received his advance ticket in the mail. It sure took them long enough, said Bill.

## CANCER DRIVE

The club will need a lot of mobiles for this drive on April 28. Earl Nichols, W4PII, reports that we have about 3 or 4 times as many pick-up points as in previous years.

The 19-79 repeater will be used as the net frequency for the drive, with 146.58 simplex used as back-up. Charles Sweet, K4MEE, is co-ordinating the event and will run the net on 19-79 from the Cancer Drive headquarters. He'll need a lot of co-operation from all to get the job done right.

## DAYTON HAMVENTION

The largest hamfest in the world will take place on April 23-25 at Dayton Hara Arena. An extensive forum program is scheduled for both Saturday and Sunday, and covers just about every possible subject. And there is even plenty for the XYL to do!

Quite a few NKARC members will be going - why not get together on transportation! Ask around at the April club meeting. And if you haven't received the Hamvention flyer, write: Dayton Hamvention, P.O. Box 44, Dayton, Ohio 45401.

## SELL \*\* BUY \*\* TRADE

SELL: HEATHKIT HW 202 - two meters. With mounting bracket, mike, power supply, x-tals for 58, 19-79, 86-26, 16-76. \$180. Contact: K4DMA Bob Pentz, at 371-6488.

SELL: QST's 1944-1963. Contact WBSWHS, Roger Troy at 661-5306.

SELL: ALUMINUM MAST- 2" O.D.,  $\frac{1}{4}$ " wall, 6061 T-6 alloy in 20 foot lengths. Weight: about 34 lbs. U-pick-up price, \$35 each (Regular \$80+). Contact Joe Burke at 385-4198.

WANTED: 1st or 2nd Class Radio Telephone technician for part-time and possibly full time. Call 371-7418 and ask for Bill.

WANTED: Any equipment not being used, that's collecting dust in the basement. NKARC will put such equipment to use. LET US KNOW, PLEASE. Contact Roger Troy at 661-5306.

OFFICIAL BULLETIN NR 572 FROM ARRL  
HEADQUARTERS NEWINGTON CT JANUARY 12  
1976 TO ALL RADIO AMATEURS BT

A major auroral disturbance beginning around 1500 UT January 10 brought extraordinary propagation conditions on all amateur frequencies in the hf and vhf portions of the spectrum. Intensity and geographical distribution of the effects may have exceeded those of any similar event in at least 18 months. Coming near the solar activity minimum, it is of more than ordinary interest. Participants are asked to report significant details to ARRL as soon as possible. Please give earliest time at which unusual propagation effects were noted, and details of any contacts or reception. Reports are needed for all amateur frequencies, and should be sent to WHDQ, ARRL Headquarters. AR

## YAESU IN TOWN

A Yaesu factory authorized service shop will soon be open in Cincinnati. WA6MHL/8 (first name is Sho) is the factory representative who will head the service group.

Yaesu now has amateur gear covering 160 thru 2 meters SSB-CW, as well as 2 meter FM. And their gear looks mighty good! The only previous drawback was shipping it to Calif. for service.

Listen for Sho on two meters or get an eyeball with him at Coston's the first Saturday.

## MEMBERSHIP CARDS

Club membership cards have run out and more must be printed. If anyone has access to printing equipment, please contact Roger Troy at 661-5306.

A complete 1976 membership list is included in this month's newsletter. If your name doesn't appear on it, hurry and pay your \$2 dues, and your name will be added to the list. You might also check the list for any mistakes.

The membership breakdown is:

|              |    |               |    |
|--------------|----|---------------|----|
| no license   | 4  | general       | 11 |
| novice       | 2  | advance       | 13 |
| technician   | 17 | extra         | 3  |
| ARRL members | 30 | total members | 50 |

None of the three Extra class licensees have an occupation involving electronics.

AMATEUR RADIO OPERATOR'S LICENSE  
CODE AND THEORY CLASSES

PRELIMINARY APPLICATION

NAME \_\_\_\_\_ AGE (IF UNDER 18) \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ZIP \_\_\_\_\_

HOME TELEPHONE \_\_\_\_\_

PREVIOUS EXPERIENCE (FORMER AMATEUR, CB OPERATOR, TECHNICAL BACKGROUND, ETC.)  
\_\_\_\_\_

INDICATE MEETING NIGHT:  MON  TUES  WED  THUR  
(1st, 2nd, 3rd choice)  FRI  SAT  SUN

The course material is being organized at this time. The starting date is not yet known, but you will be informed prior to the start of the course. The approximate cost will be \$15; this will include books, refreshments, and club membership for '76. You are welcome to attend our club meetings - you don't have to be a licensed ham to join our club. The meetings are held the first Tuesday of each month (8 pm) in the basement meeting room of Frisch's Restaurant, Covington, at 5th and Philadelphia Streets. Enter the back employee entrance and go down the stairs.

Send to: NKARC PRESIDENT  
Roger Troy, WB8WHS  
3145 Penrose Pl., Cincinnati, O. 45211

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NORTHERN KENTUCKY AMATEUR RADIO CLUB  
MEMBERSHIP APPLICATION

DATE: \_\_\_\_\_

NAME \_\_\_\_\_ CALL \_\_\_\_\_ LICENSE CLASS \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ZIP \_\_\_\_\_

HOME PHONE \_\_\_\_\_ WORK PHONE \_\_\_\_\_ ARRL MEMBER: NO YES

OCCUPATION \_\_\_\_\_ BANDS OPERATED \_\_\_\_\_ MOBILE EQUIP. \_\_\_\_\_

SPECIAL INTERESTS:  
 EMERGENCY DRILLS  FIELD DAY  CONTESTS (VHF)  
 HAMFEST COMMITTEE  FUND DRIVES (MOBILE)  CONTESTS (80-10 mtr)  
 CLUB MEETING PROGRAMS  FEEDLINE (STAFF)  MEMBERSHIP CHAIRMAN  
 OTHER (SPECIFY) \_\_\_\_\_

DONATION: \$2 (one year) - make payable to N.K.A.R.C.; send to NKARC, P.O. Box 31, Ft. Mitchell, Ky. 41017

COMMENTS AND/OR SUGGESTIONS:

HELP PAY THE COST OF YOUR FEEDLINE; JOIN AN ACTIVE RADIO CLUB.

1976 NKARC MEMBERSHIP LIST  
 ('76 DUES PAID AS OF MARCH '76)

|          |                    |  |          |
|----------|--------------------|--|----------|
| W4CHP    | Art Gumble         | 724 St. Matthew's Circle, Taylor Mill, 41015     | 581-3488 |
| WB4CTP   | Steve Starke       | 230 Oak St., Ludlow, 41016                       | 261-2976 |
| K4DMA    | Robert Pentz       | 840 Flintridge Dr., Florence, 41042              | 371-6488 |
| WA4DQY   | Paul Asbury        | 603 Crescent, Covington, 41011                   | 431-0136 |
| WA4EXQ   | Thomas Grimes      | 333 Moore St., Ludlow, 41016                     | 431-3330 |
| WB4FAT   | Gary Johnston      | 608 Brookview Ct., Oxford, Ohio 45056            | 523-5306 |
| WB4FLG   | Bernard Kaiser     | 45 Plymouth Ln., Elsmere, 41018                  | 342-7377 |
| WN4FSI   | Richard Schroeder  | 8 Kappa Ct., Erlanger, 41018                     | 331-7820 |
| K4GM     | Ed Wipperman       | 2624 Shaker Rd., Ft. Mitchell, 41017             | 341-7958 |
| WA4GVP   | Russell Alexander  | 342 Bonnie Leslie, Bellevue, 41073               | 441-2575 |
| WB4HDW   | Roger Schmitt      | 3408 Cedar Tree, Erlanger, 41018                 | 371-7748 |
| * WBHQK  | Jack Rieth         | 4344 Floral Ave., Cincinnati, 45212              | 531-1691 |
| * WB8HYP | Joseph Phirman     | 110 Trumpet Dr., West Carrollton, Ohio 45449     | 866-9779 |
| K4HZO    | William Aebi       | 17 Price, Erlanger, 41018                        | 341-6463 |
| K4JBV    | William Martin     | 411 Glaser Dr., Erlanger, 41018                  | 371-1655 |
| W4JBW    | Harlan Grimes      | 500 Rohman Ave., Ludlow, 41016                   | 491-6211 |
| * WA8JOC | Ken Scheper        | 5925 Glenway Ave., Cincinnati 45238              | 922-4710 |
| W4JYS    | Howard House       | 1602 Marcella Dr., Ft. Wright, 41011             | 331-1694 |
| * WA8KIY | Dennis Lampe       | 2827 Rosebud Dr., Cincinnati, 45238              | 451-2864 |
| WA4KQB   | William Mell       | 27 Sunset Dr., Alexandria, 41001                 | 635-5905 |
| * WA8KQK | Gary Voelkerding   | 3380 Harmony Ln., Cincinnati 45211               | 451-4070 |
| WB4KTR   | Dave Heil          | 64 Millers Ln., Ft. Thomas, 41075                | 441-6976 |
| WA4KUB   | Dick Johnston      | 3113 Brookwood, Ft. Mitchell, 41017              | 341-8759 |
| K4LIE    | Stanley Kasper     | 1742 Petersburg Rd., Burlington, 41005           | 689-4306 |
| WA4LMF   | Richard Tieke      | 4 Patricia St., Florence, 41042                  | 371-6451 |
| WA4LPC   | Gordon Hughes      | 200 Eastern Ave., Elsmere, 41018                 | 342-6314 |
| WA4LTA   | Herbert Anderson   | 62 Deshler Ln., Ft. Thomas, 41075 (513-398-0267) | 441-2290 |
| * WB8LUA | Len Bauer          | 4769 Hardwick Dr., Cincinnati, 45238             | 251-5797 |
| WA4LUD   | John Coyle         | 137 Garden Dr., Florence, 41042                  | 371-4992 |
| K4MEE    | Charles Sweet III  | 3657 Sycamore, Ft. Mitchell, 41017               | 331-2208 |
| W4NMQ    | Paul Biedenharn    | 818 Pinehurst, Edgewood, 41017                   | 331-7268 |
| WA4NXD   | Charles Kruetzkamp | 46 Circle Dr., Florence, 41042                   | 371-6076 |
| * WA8OGS | Joseph Burke       | 6381 Mullen Rd., Cincinnati, 45239               | 385-4198 |
| W4PII    | Earl Nichols       | 601 Rosemont Ave., Park Hills, 41011             | 261-4266 |
| WN4RLA   | Jeff Marshall      | 1117 Taylor, Bellevue, 41073                     | 781-2242 |
| WA4RVG   | Bill Ulshafer      | P.O. Box 24, Highland Hts., 41076                | 781-2037 |
| * WB8SOV | Charles Sweet Sr.  | 5217 Rhode Island, Cincinnati, 45212             | 351-5414 |
| W4TLZ    | Henry Mullins      | 660 Dudley Rd., Edgewood, 41017                  | 341-0232 |
| WB4TQH   | John Fornash       | 309 E. 21st St., Covington, 41014                | 261-0455 |
| W4VLA    | Charles Sweet Jr.  | 19 Southview Av., Ft. Thomas, 41075              | 441-9193 |
| W4VLC    | Vincent Webster    | 238 Applewood, Lakeside Park, 41017              | 341-8241 |
| WB4VOA   | Hal Blocher II     | 104 Rose Ave., Highland Hts., 41076              | 441-3616 |
| * WB8WHS | Roger Troy         | 3145 Penrose Pl., Cincinnati, 45211              | 661-5306 |
| WB4WSG   | Neil Mays          | 39 Wallace Ave., Florence, 41042                 | 371-5121 |
| WB4YRO   | Bill Lense         | 2111 Memorial Pky., Ft. Thomas, 41075            | 441-9141 |
| W4YWH    | Harold Blocher     | 62 Linet Ave., Highland Hts., 41076              | 441-0892 |
|          | Terry Coyle        | 137 Garden Dr., Florence, 41042                  | 371-4992 |
|          | Bill Blessing      | 1834 Jefferson Ave., Covington, 41014            | 431-7484 |
|          | Kris Kaelin        | 469 Foote Ave., Bellevue, 41073                  | 431-5576 |
|          | William Steger     | 30 Alan Ct. #327, Florence, 41042                | 371-8139 |

Tornadoes can strike Ohio anytime. But, it doesn't have to mean death. A look at tornado statistics dramatically illustrates that taking proper precautions can save lives. Kansas, nicknamed the cyclone state, was hit by 151 tornadoes in the past five years, and there were no deaths. The people of Kansas are well aware of the threat to lives and property a tornado represents, and take the proper precautions. Ohio is not in "Tornado Alley" but has been struck... and could be again in the future.

## BEFORE

A tornado is one of nature's most violent and devastating windstorms. Its incredible behavior has been proven by reliable scientific observation. Tornadoes occur on nearly all continents, but are particularly severe in the United States. The exact causes of tornadoes are not completely detailed or understood by meteorologists. But, tornadoes are not uncommon and can hit any of the fifty states. The peak tornado season in Ohio is generally recognized as April, May and June.

There is little that can be done to avoid the property destruction tornadoes bring; but, tornadoes do not have to be killers ... You can take precautions when a storm threatens and thereby save lives, reduce the threat of injury, and lessen property damage. That is what this article is all about... Tornado Tips.

## ...AND AFTER

If a tornado should hit, remain calm - panic never helps. Most tornadoes are short-lived, lasting only four or five minutes and traveling on the ground for two miles, on the average.

Closely inspect your property, including automobiles, for damage. Check immediately for electrical problems and gas leaks and report to utilities or fire department if danger is imminent.

If you have extensive damage, contact your insurance agent or company immediately. In the meantime, secure your property from further damage or theft. Heavy rains often follow a tornado.

Take an inventory of the damage to speed your insurance settlement. Your policy provides coverage for additional living expenses should you not be able to stay in your home. There is also a policy provision for paying the expense of debris removal.

If you have not suffered damage, be a good neighbor and help those who need it. But, do not telephone directly into or visit a disaster area.

## ...DURING...

You'll have no trouble recognizing an actual tornado! It is a funnel shaped cloud extending down from the base of a thundercloud. As it touches the earth, it writhes and twists throwing up debris in all directions. It is usually accompanied by hail, violent thunderstorms, and wind. Its noise is so loud as to blot out the sound of crashing buildings and falling trees. It has been likened in intensity to the combined roar of hundreds of jet aircraft.

When the skies look threatening, listen to the radio. The National Weather Service and the Severe Storm Warning Center track all weather systems with sophisticated radar and are usually able to give adequate advance warning of violent weather conditions.

A TORNADO WATCH means the atmospheric conditions are such that tornadoes could develop. A TORNADO WARNING means an actual funnel has been sighted in your area. Warnings are usually accompanied with a description of the speed and direction of travel of the funnel. Many communities also have arranged special warning systems such as sounding air raid sirens.

When a watch is issued, listen to broadcast advisories, be ready to take cover. It is wise to collect a battery-powered light and radio and to have family members within earshot under watch conditions. Also, take your car keys; should a tornado hit your area, your car may be still operable - but keys could be lost in the rubble.

Open all windows a crack to equalize air pressure. The pressure differential and vacuum created by a passing tornado can literally explode a structure. When a warning is issued, take cover!

Move to the SOUTHWEST corner of your basement, under a heavy table or bench, if possible. If you have no basement, take cover under sturdy furniture in the center of the house. A closet in the center of the house also affords good protection. (continued)

## TORNADO (cont.)

If you're in an office building or school, protect yourself in an interior hallway on the lowest floor. Avoid auditoriums and gymnasiums or other structures with wide, free span roofs.

In open country, move away from the tornado's path at a right (90°) angle. Most tornadoes move from southwest to northeast. Lie flat in a depression or ditch if there is no escape; get out of cars and mobile homes - a roadside culvert affords good protection.

## DETECT ...(cont.)

3) Lightning makes intermittent static on the radio.

4) A tornado is coming when the radio makes continuous static.

In using the transistor radio method to track a tornado, it is recommended that you get accustomed to the noise produced by lightning or a tornado by watching the same effects on the TV while electrical power is still on.

(The above method is not guaranteed, and the original source of this information is not known.)

## HERE'S HOW TO DETECT A TORNADO !!

1) Turn on your television set and let it warm up.

2) Then turn to channel 13. Using brightness control knob, darken the screen so it is almost black.

3) Turn to channel 2. Leave the set alone. Do not reset brightness after initial adjustment.

4) Lightning appears on the screen as horizontal flashes or streaks. A color set produces colored flashes or streaks.

5) If the screen becomes bright or the darkened picture becomes visible and remains continuously visible, this is the signal of a tornado within 20 miles.

6) This positive signal means that you should take shelter immediately. Turn off your TV set and move to a safe place.

If the electrical power is off in your area because of a storm, it may become necessary to augment your TV warning system with a battery operated transistor radio. Here's how this works:

1) Set the radio alongside your TV set.

2) Turn the radio to the low end of the dial which is about 550 kilocycles ... here a radio will pick up the same storm signals as the TV set. (cont. - left col.)

COMMITTEE FOR AMATEUR RADIO  
P.O. BOX 40201  
FOREST PARK, OHIO 45240

NON-PROFIT ORGANIZATION  
U.S. POSTAGE

P A I D  
Cincinnati, Ohio  
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APRIL