## SYMMETRY - YRTEMMYS

RALPH G. BEAMAN
Boothwyn, Pennsylvania
A crossword puzzle should be symmetrical. The diagram on the following page certainly is -- even though it looks more like a maze than a crossword puzzle.

You are asked to solve it backward; that is, enter each word right-to-left (back) or bottom-to-top (up). For example, if the answer to Back 14 were ALARM (it isn't), enter MRALA with the end $A$ at intersection 14 .

If you can't think backwards, you could do the puzzle upsidedown; but you wouldn't do that, would you?
that the words in it snare an unusual property. In ract, it is deneved that the puzzle contains all words from Webster's New International Dictionary, Third Edition of six or more letters having this property:

9 letters: 43 back
8 letters:
7 letters: 15 back, 29 back, 58 back, 13 up, 14 up, 41 up, 42 up
6 letters: 9 back, 10 back, 5 up, 6 up, 28 up, 31 up, 48 up, 49 up

If you discover any words not in this puzzle, please let us know.

The solution to this puzzle is given in Answers and Solutions at the end of this issue. The first column on the next page lists the definitions corresponding to the right-to-left words (back), and the second column lists the definitions corresponding to the bottom-to-top words (up).

Good hunting!

8 extinct Hawaiian bird, Moho
9 ring on top of harness pad
10 sprinkled; dampened
12 lady; mistress
14 radio detection system
15 glorified; made a god of
16 wetted with fine water spray
19 calypter; squama
21 lapel on women's garments
23 principle; dogma; belief
25 mild oath; father
27 law of Islamic region
28 masters (abbr.)
29 stimulant; restorer
30 very rarely (abbr.)
32 exclamation of surprise
33 before; early (Scot.)
34 skin or canvas canoe
38 prose narratives
39 language containing Eskimo
40 males and females
43 Dravidian language, Kerala
46 without mutes (abbr.)
50 most holy (abbr.)
51 ancient Sumerian drum
52 woman diver; outrigger float
54 Eskimo woman's knife
57 officer in Ottoman Empire
58 protozoan gp., Dinoflagellata
59 Hawaiian bluetinged snapper
60 woody vine, Metrosideros
62 uncle (Scot.)
64 with dulcis, benzoin
65 culmination; midday
66 look (Scot.) ; peep (Scot.)
69 habitat
73 with breve, in duple time
77 gold and silk brocade
80 nitrogen for carbon (comb.)
81 pineapple; pinguin
82 textile screw pine
83 brisk energy; to quicken
84 slight cough; fruit seed

1 African herb, Aizoaceae
2 revolving or rotating part 4 unsorted wheat flour or meal
5 one that soaks flax or hemp
6 driven to its lair
7 common Egyptian skink
11 send for treatment; relate
13 killing in secret; Norman fine
14 screw-shaped part of ship's log
16 performed; toured; decorated
17 verses (abbr.); violins (abbr.)
18 place for adding names (symbol)
20 Arab garment; altazimuth
22 sight organ; stare at
24 Kwa language of Ghana and Togo
26 indorsement irregular (abbr.)
28 beach grass, Ammophila arenaria
31 more flushed; deeper in debt
35 Puerto Rican fan palm
36 large or important rooms
37 silk fabric makers; dry periods
41 rulers of Shan state of Burma
42 native of Micronesian island
44 wallaba; shingle wood
45 of each an equal quantity
47 ankle-length outer skirts
48 small bittern of Guam
49 medicinal expressed juice
50 blind cetaceans of India
53 small worker ant; small fish
55 soft pulpy food; nipple
56 brash person; young seal
61 one-sixteenth rupee (Pakistan)
62 unsaturated compound (suffix)
63 additional drink; obtain
64 Pygmy people of Vele basin
67 turki
68 in the place cited (abbr.)
70 galleon
71 copies (abbr.); chapters (abbr.)
72 Philippine cooking bananas
73 of all (Scot.) ; kava
74 device for finding horizontal
75 abode of Circe (from adj.)
76 sovereigns of Iran
78 concerned with general welfare
79 pagan people near Mount Apo


