A WORD SQUARE UPDATE

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In 1974, I sent the editor a home-made Christmas card summarizing most of what was known about word squares to that time. To my surprise, he published it as "A Survey of Small Squares" in the May 1975 Word Ways, along with several additions for which he gave me credit.

This article proved to be a sort of watersned for word squares. During the previous seven years, Word Ways had published just one word square article and four or five items in Colloquy or Kickshaws. In the following eight years, seventeen word square articles have appeared.

In the 1975 article, 13 types of word squares were described: bordered, cubic, cyclic, diagonal, double, Latin, magic, pig Latin, palindromic, progressive, reversible, sequential and symmetrical. Since then, three more types have been devised.

SHIFTED WORD SQUARE

BARE ONER In the May 1979 Word Ways, Tom Pulliam presented the pair of word squares shown at the RENA ERAN left. The first square is changed into the sector ond by shifting each letter along the alphabet thirteen spaces.

TILE SQUARE

XWRNJ In the August 1980 Word Ways, Ed Pegg constructed YABUK a word square of 25 different letters in which every MLHCP subsquare of four letters forms a word. For example, SITEO the subsquare of letters in the upper left corner can ZGFDV be arranged to spell waxy, the next subsquare to the right spells braw, and so on to the subsquare in the lower right corner which spells dove.

HOLLOW WORD SQUARE

RADISH GRASP They are just that - word squares with AVENUE holes in them. Note that the first is a RASPE DΕ E R progressive word square if a P is placed AS EN ΙN DΕ in the center. These squares are mine, SPEND SUEDES PENDS published here for the first time. HERESY

In 1979, Philip Cohen and Ross Eckler issued a series of Word Ways challenges. This was, in effect, a summing-up of unanswered logological problems. One of these was to produce a 6x6 univocalic double word square.

STRESS Shortly after this challenge was issued, an ans-TRESTE wer was published in the May 1979 issue of Word RESSES Ways. This square, presented at the left, was ETTERS devised by Jeff Grant.

TERSES

MACOMADA My 1975 article gave an example of a 5x5 sym-AMANAGES metrical bordered square. In the February 1980 CASELESS Word Ways, Philip Cohen presented a much earlier 8x8 word square by Palmer Peterson, "the world's foremost formist," which can be succes-AGESTENS sively peeled down to a 6x6, a 4x4, and a 2x2 word square.

ASSESSED

WHICK In 1975, the maximum number of different letters form-ROBYN ing a 5x5 double word square was 18. Jeff Grant in-AFIVE creased this to 22 different letters in the May 1979 MUZED issue of Word Ways. The square containing 25 different LATS ent letters continues to elude us.

BASH A 4x4 double word square containing 16 different let-RULY ters was also given in 1975. In the November 1980 ITEM Word Ways, Jeff Grant discovered two squares of this GOWN type using more common words. To generate the second square, replace B with G, and G with D.

Finally, I show at the left the commonest-word example of a 3x3 double word square with all letters different presented in the February 1980 Word Ways.

S E E S T A 4x4 double word square using only three different T E S T E letters was known in 1975. We now have a 5x5 double E S S E E word square using only three different letters; see T E E T S the August 1979 Word Ways for definitions of the various words.

And that is the situation to date. What will the next eight years bring?

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QUERY

Paul Dickson (Box 80, Garrett Park MD 20896) is collecting jokes in various categories: knock-knock jokes, shaggy dog stories, atrocious puns, answers to "What is black and white and red all over?", answers to "How many ----s does it take to screw in a light bulb?", comebacks to the complaint "Waiter, there's a fly in my soup", Aggie jokes, etc. He will give full credit for any contributions used, in a book tentatively entitled Waiter, There's an Elephan in my Soup.