CHESSWORDS

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One of various sidelights to the game of chess is the problem known as a Knight's Tour (or Knight's Spring), the problem of having the knight make a complete circuit of the standard 8 x 8 chessboard, alighting once and only once on each of the 64 squares.

Many solutions to this problem exist. In some solutions, the 64th square touched by the knight in his tour is one chess move away from the 1st square touched by the knight. Closed tours or circuits of this sort are considered mathematically and esthetically superior to those knight's tours in which there is no particular relationship between the positions of the first and last squares in the circuit.

Both types of knight's tours lend themselves to use as a word puzzle involving the arrangement of 64 letters that spell something meaningful, in an 8 x 8 diagram, in the order in which a knight would touch the cells of the diagram during the course of a tour. The problem is to find the starting square, which could be any of the 64 cells in the diagram, and then to trace out the 64 letters in the order fulfilling both requirements: an order that constitutes a knight's tour, and one which turns the letters into a meaningful array of words.

For your enjoyment and puzzlement, a series of chesswords has been generated for this article. Our first chessword features a verse of two rhyming lines. These two lines present a thought singularly relevant to your problem in trying to recognize the verse. The little poem was originally published in A Key to Puzzles (William W. Delaney, New York, 1906). Each of the two lines of verse uses exactly 32 letters. Can you identify the composition without referring to its source?

The second problem requires you to spell out an English proverb of 64 letters. The proverb has been in circulation since early in the 17th century, and is included in A Dictionary of the Proverbs in England in

words -- are listed

CHESSWORDS

OTPTRESE
SEPHEREO
IRTIEET
LTWEANM
RTHPESO
CIACRTAN
NOAESEPQ
TAEVUUDR
AESARKMA
PDCLOPDC
TNDSEHS
TEGRDI
AASEWTT
CHRODSOE
GSNVRHI
AODWSG
the Sixteenth and Seventeenth Centuries, by Morris Palmer Tilley
(University of Michigan Press, Ann Arbor, Michigan, 1950). It is
similar in meaning to the more common proverb, "Clothes make
the man", but more wordy.

In our next problem, the 64 letters comprising an 8 x 8 English word square have been taken and arranged along the path of a knight's tour. If you can trace the path correctly, you will find the original square, horizontal word by horizontal word, going from the top down. The word square is a slight modification of one constructed, many years ago, by Mrs. A. H. Burkholder, a New Jerseyite who died in 1942. It has recently appeared in the author's Language on Vacation (Scribner's, New York, 1965).

As you tussle with this problem, think of the advice dispensed by Arthur F. Holt, a renowned puzzler at the turn of the century, and quoted in A Key to Puzzledom:

"Stick to the trail, tho' the going proves snaggy;
Follow the knight in his journey zigzaggy;
Shrewdly persistent, proceeding with care,
Obtain for the answer an eight-letter square."

Since puzzles of the type being displayed here are derived from the game of chess, it is only fitting that the content of at least one such puzzle be scachic. The knight's tour at the left comprehends the surnames of all nine men who reigned as chess champions of the world in the century from 1867 to 1967, though not in chronological order. (Hint: neither Fisher nor Spassky are present.) Decode them!

This time, you are facing a diagram filled with the names of nine mammals. Each name begins with a C, and uses a second C later on in the name, making this puzzle easier than any of its predecessors (there are only eighteen possible starting-points instead of sixty-four). On your way, would-be zoologist!

From chess to super-chess! Shown on the next page is a 16 x 16 chessboard, with 256 squares in it. Deployed along a knight's tour on this expanded chessboard are the 256 letters of a quotation taken from an important address by a great American statesman. The quotation concerns the nature of government. Can you recognize it?
From the world of super-chess comes a second problem for you to puzzle over. The 16 x 16 knight's tour forming the basis of the diagram below was devised by Mr. Darryl H. Francis of Hounslow, Middlesex, England, who also selected the quotation displayed in it. This quotation is a truly famous one, from a well-known dramatic work. Look for it!

All answers to these puzzles can be found in Answers and Solutions at the end of this issue.

O H W L R J F O A M N T C O T I
C I D T A L S V U N T P T A N L
U F E A A E N O I L E O I D H H
T O T N R O F T S N O S E M L T
N T S T O A E A E I S E G I R N
N U O T V T T A I S T V N A A F
I T I G H N I S R O O O O W A O L
N F E E M O E W N I A S R N O A
H O H N R R A M T N I F N L L A
T S O N O E N I T L O A T W T M
N E A E T E A H V G O N S E L H
T I E P D R E R C S T R N E A N
S T U P V P A I R O I I I I N T F
S R S E T T I I T E P N E E E D
E A E E P I I F T D S P U N
P P R L U S E Y D M I X O I S R

The knight's tour used in this puzzle was devised by Mr. Darryl H. Francis of Hounslow, Middlesex, England. The quotation was selected by the author, from The Great Quotations by George Seldes (Lyle Stuart, New York, 1960).

From the world of super-chess's comes a second problem for you to puzzle over. The 16 x 16 knight's tour forming the basis of the diagram below was devised by Mr. Darryl H. Francis of Hounslow, Middlesex, England, who also selected the quotation displayed in it. This quotation is a truly famous one, from a well-known dramatic work. Look for it!

T E W S O T T W R T N T B E S T
E R I G E O D E I I E H E I R E
D S R T I O N F D R H O I L B S
A A A M E H M T F U O R R W T T
N T S F R T R O Y D E E I H O E
E Y C H V T R E N Y S U A T I A
H U A E A T C I N M C E S C H
H E L I D E O D A E M L C L R E
S G O S M L A S R E Y T O A E B
V A I O H N S M N N B A R O E U
R U D E E L H I S R T R O H N
N S T T T T V A A O O U E T T B
L I A U I E M E P I S N T S Y A
F O G O W E U F M T A A H A O U
R I E S E I T I O W A C S D T O
V A S T W A R S I B I R S U E L

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