



THE PUZZLING SIDE OF CHESS

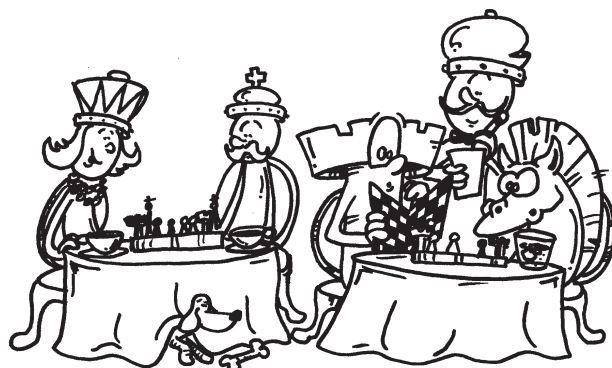
Jeff Coakley

LOYDS, VOIDS, and FREUD

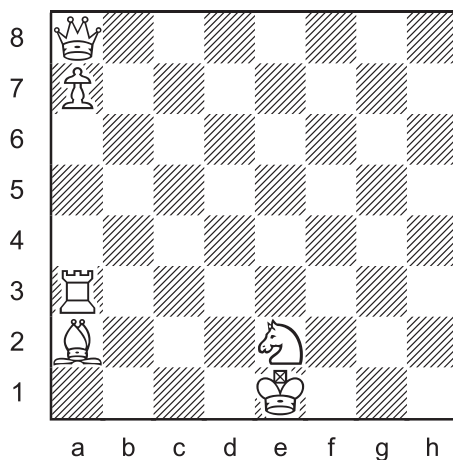
number 153

June 2, 2018

The warm days of June are here at last. Perfect weather for some ego-free time at the cafe, relaxing in the sunshine, enjoying a few chess puzzles. Drinks and dessert are on the house!



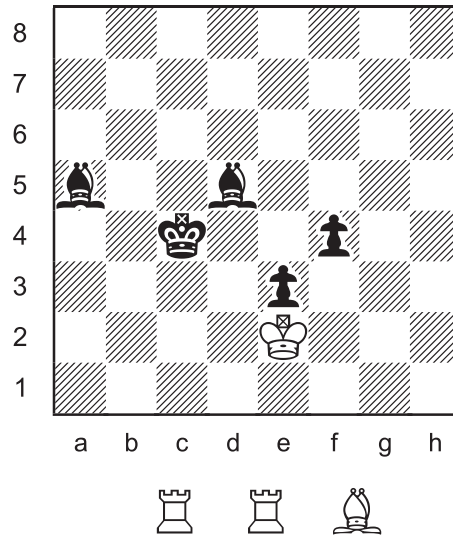
Triple Loyd 73



Place the black king on the board so that:

- Black is in checkmate.
- Black is in stalemate.
- White has mate in 1.

Inverted Loyd 47



Place a white bishop and two rooks on the board so that White has mate in 1.



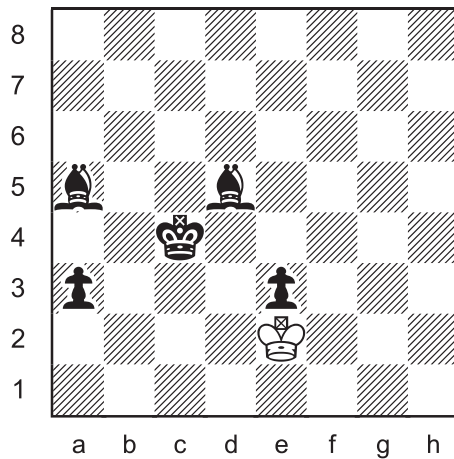
The Calculating Mind

Sigmund Freud once made this cognizant observation.

“He who hopes to learn the fine art of the game of chess from books will soon discover that only the opening and closing moves of the game admit of exhaustive systematic description, and that the endless variety of the moves which develop from the opening defies description; the gap left in the instructions can only be filled in by the zealous study of games fought out by master-hands.”

Here's a twin to the previous problem. Black pawn on a3 instead of f4.

Inverted Loyd 48



Place a white bishop and two rooks
on the board so that White has mate in 1.

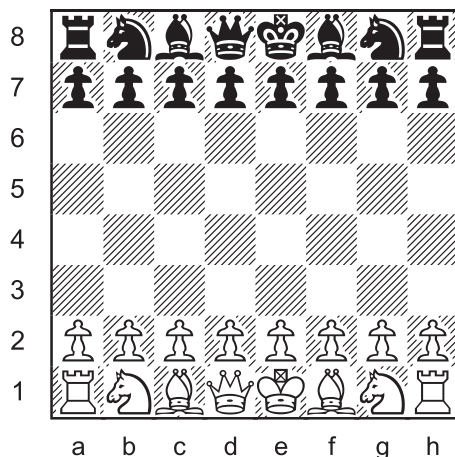
Imagine matching wits across a chessboard with Sigmund Freud (1856-1939). According to his biographer, Ernest Jones, "*Freud played a good deal of chess in coffee houses in the earlier years, but he came to find the concentration more of a strain than an enjoyment, and after 1901 he gave it up altogether.*" At age 45.



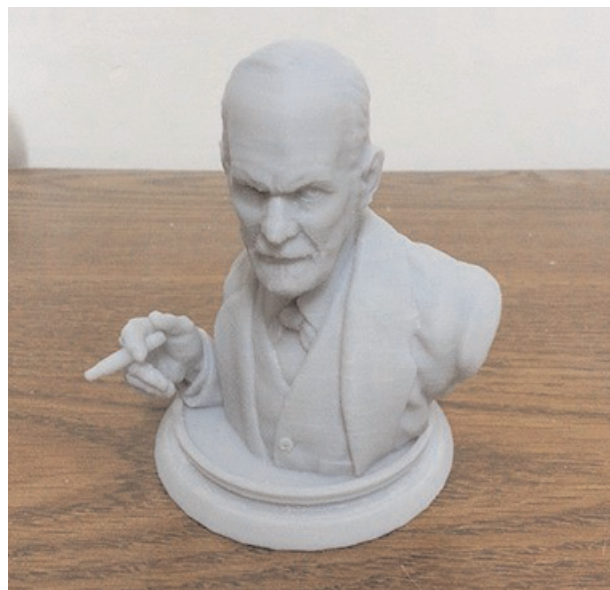
Colourful Concepts in a Black and White World

The goal in the following puzzle is to create a *rookless void*.

Synthetic Game 36



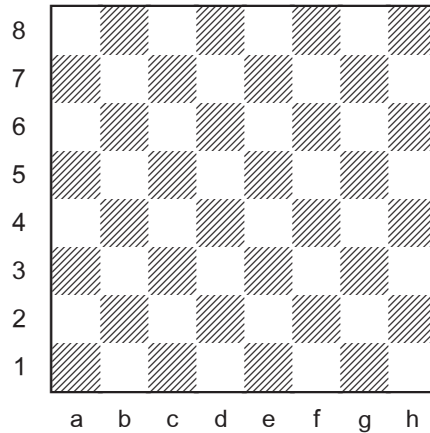
Compose a game that ends with all rooks captured before White's 7th move.
Six moves by each side, no rooks left on the board.



Reuben Fine (1914-1993), a world class grandmaster from New York City, retired from chess competition in 1951 to become a Freudian psychologist. His book *The Psychology of the Chess Player* (1956) has raised many an eyebrow. One quote:

“The ego of the chess player employs many intellectual defences. There is an alteration of thought and action, rather than a simple replacement of action by thought. Real intellectual abilities are needed to acquire skill, and the ego must be healthy enough to put these to use. Aggression is handled by a deep repression. Considerable narcissistic gratification may be derived, both through the individualized combat situation, and through the symbolism of the King.”

Bishop Mate Maximizer



Construct a legal position in which White has the most bishop moves that mate in 1.

part a. Discovered checks are not allowed.

part b. Discovered checks are allowed.

“Legal” means reachable in an actual game. In part b, each move by a piece that uncovers mate is counted separately.

Reuben Fine also wrote several excellent chess books, including *Basic Chess Endings* (1941) and *The Middle Game in Chess* (1952). Another quote of note:

“Discovered check is the dive bomber of the chessboard.”



Dive bombers were used by Germany and the United States in World War II. By diving straight at their targets, they were able to aim their bombs more accurately.

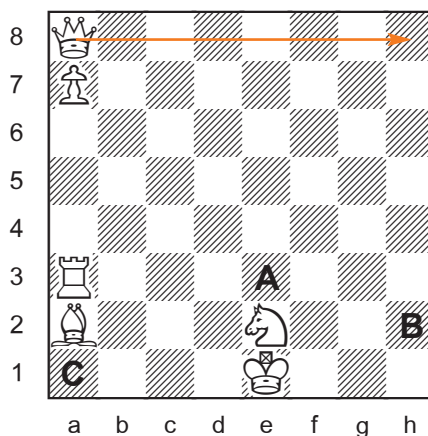
SOLUTIONS

All problems by J. Coakley, *Puzzling Side of Chess* (2018).

PDF hyperlinks. You can advance to the solution of any puzzle by clicking on the underlined title above the diagram. To return to the puzzle, click on the title above the solution diagram.

Archives. Past columns and a detailed index of problem-types and composers are available in the *Puzzling Side of Chess* archives.

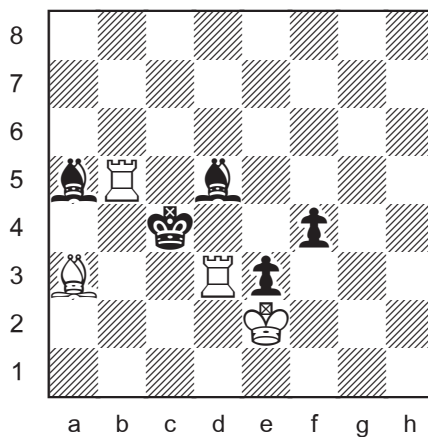
Triple Loyd 73



- A. Ke3#
- B. Kh2=
- C. Ka1 (Qh8#)

The ever popular corner to corner queen.

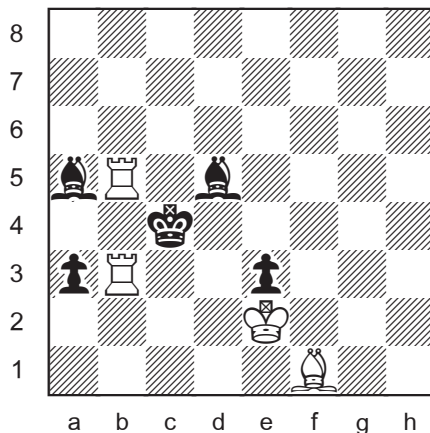
Inverted Loyd 47



Rd3, Rb5, Ba3 were added.

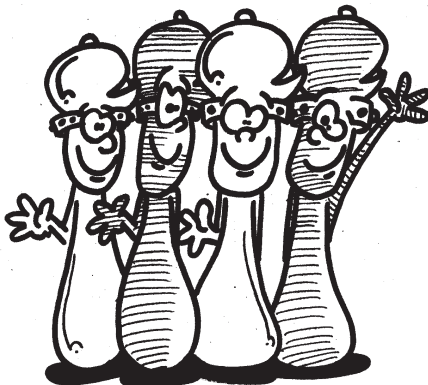
1.Rc5#

Inverted Loyd 48

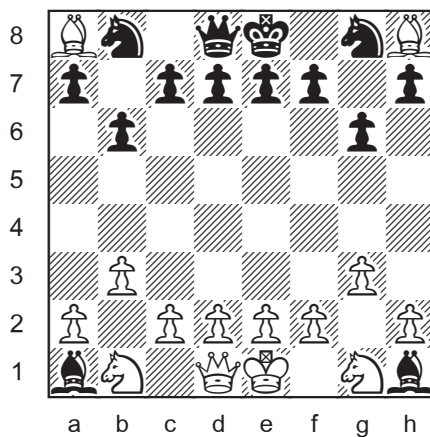


Rb3, Rb5, Bf1 were added.

1.Kxe3#



Synthetic Game 36

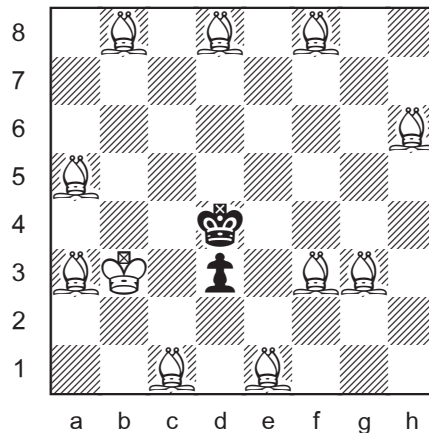


1.g3 g6 2.Bg2 Bg7 3.b3 b6 4.Bxa8 Bxa1 5.Bb2 Bb7 6.Bxh8 Bxh1

The solution is not unique. The moves can be played in various orders. Any or all of the b- and g-pawns could advance two squares.

Bishop Mate Maximizer

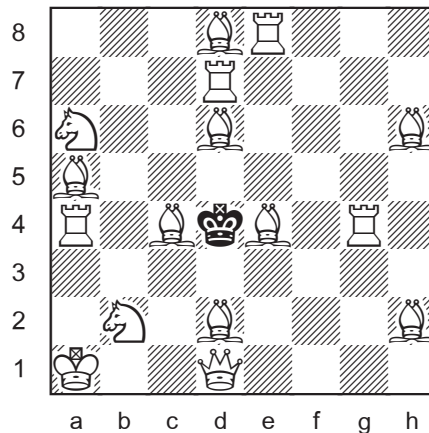
a. no discovered checks



18 mates in one

Eighteen is the theoretical maximum, nine bishops with two mates each. The tenth bishop (f3) is necessarily on an opposite-colour square.

b. with discovered checks



48 mates in one with a bishop move

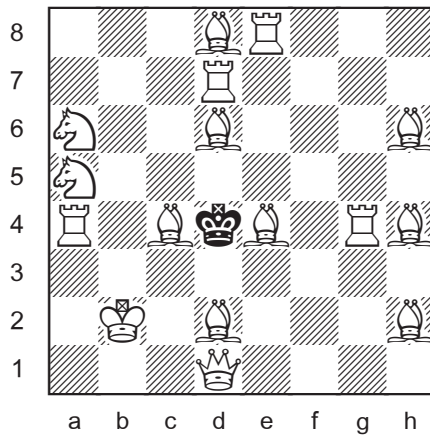
(2 + 10 + 7 + 10 + 2 + 13 + 2 + 2)

To show legality, the last moves could have been 1.Be7-d6+ Ke5-d4.

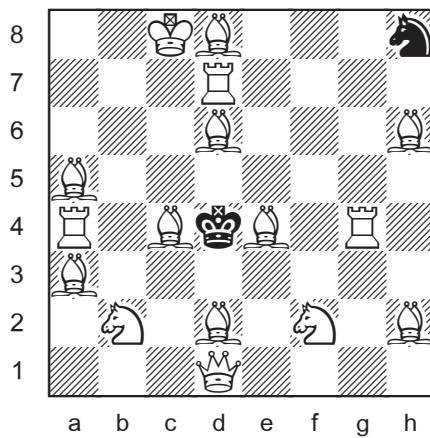
The bishops on c4 and e4 must be doubly protected so that discovered checks by Bb4+ or Bf4+ are mate.

The theoretical maximum for this task is 54 mates. With nine bishops and three rooks. (13 + 11 + 11 + 9 discoveries) + (2 x 5 direct checks) However this is evidently impossible. Can you break the record of 48?

Two more positions with 48 mates are given on the next page.



48 mates in one with a bishop move
 (10 + 7 + 10 + 2 + 13 + 2 + 2 + 2)



48 mates in one
 (1 + 2 + 11 + 7 + 9 + 2 + 13 + 1 + 2)





Just Desserts

Until next time.

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Surrealist painting by Errico.