



# THE PUZZLING SIDE OF CHESS

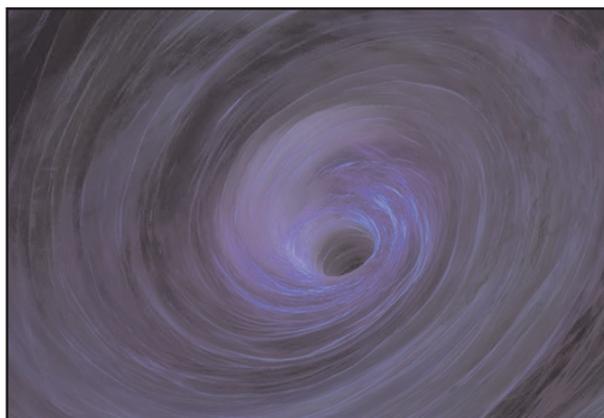
Jeff Coakley

## SPHEROIDS, LOYDS, and VOIDS

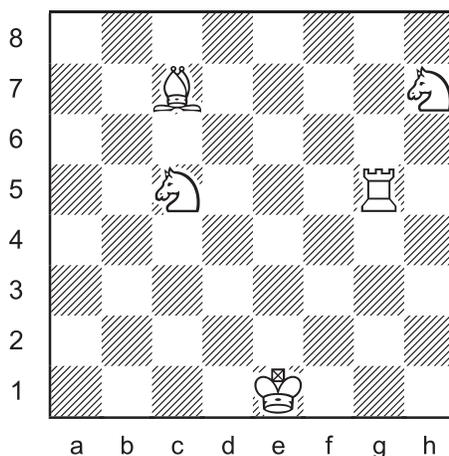
number 118

July 23, 2016

Circling ever faster towards the endless void. A momentary lapse in time to ponder chess and a triple lloyd.



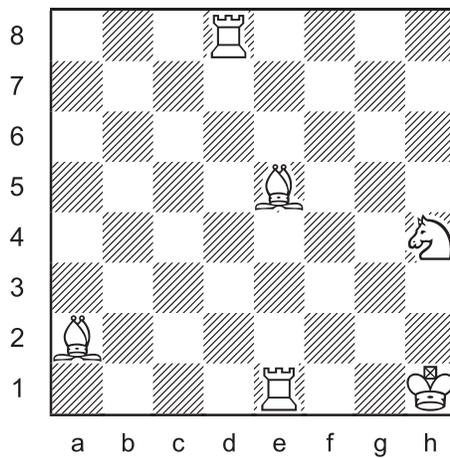
### Triple Loyd 55



Place the black king on the board so that:

- A. Black is in checkmate.
- B. Black is in stalemate.
- C. White has a mate in 1.

### Triple Loyd 56



Place the black king on the board so that:

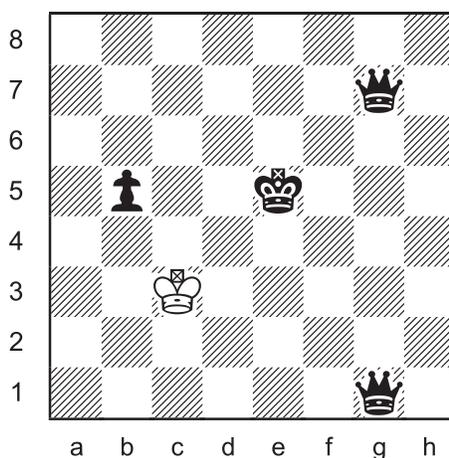
- A. Black is in checkmate.
- B. Black is in stalemate.
- C. White has a mate in 1.



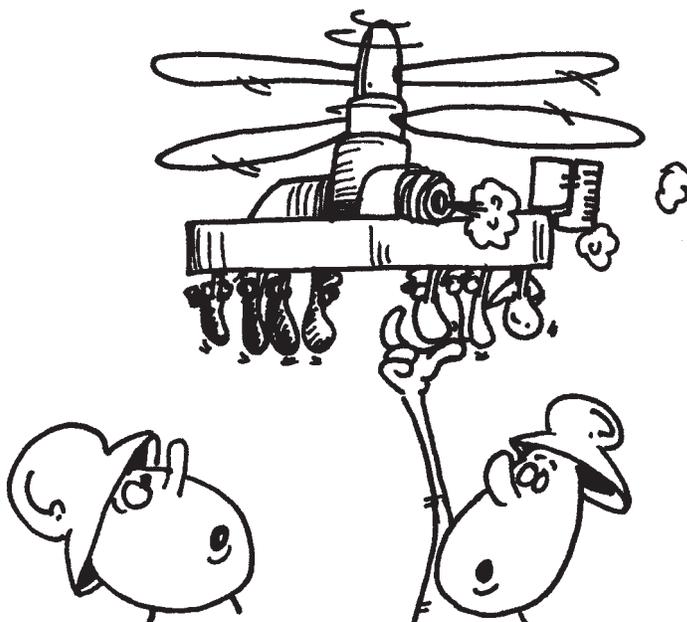
*SphereChess*

There are thousands of chess problems featuring cylindrical and spherical boards. The *Puzzling Side* does not journey that far out in space. But we do have this cool picture.

### Inverted Loyd 37



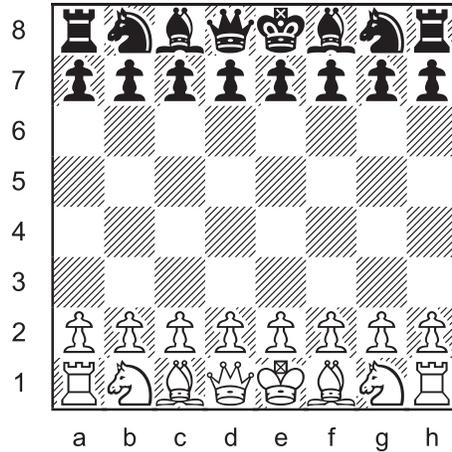
Place a white rook, bishop, and knight on the board so that White has mate in 1.



*The Eternal Quest to Circumvent Gravity*

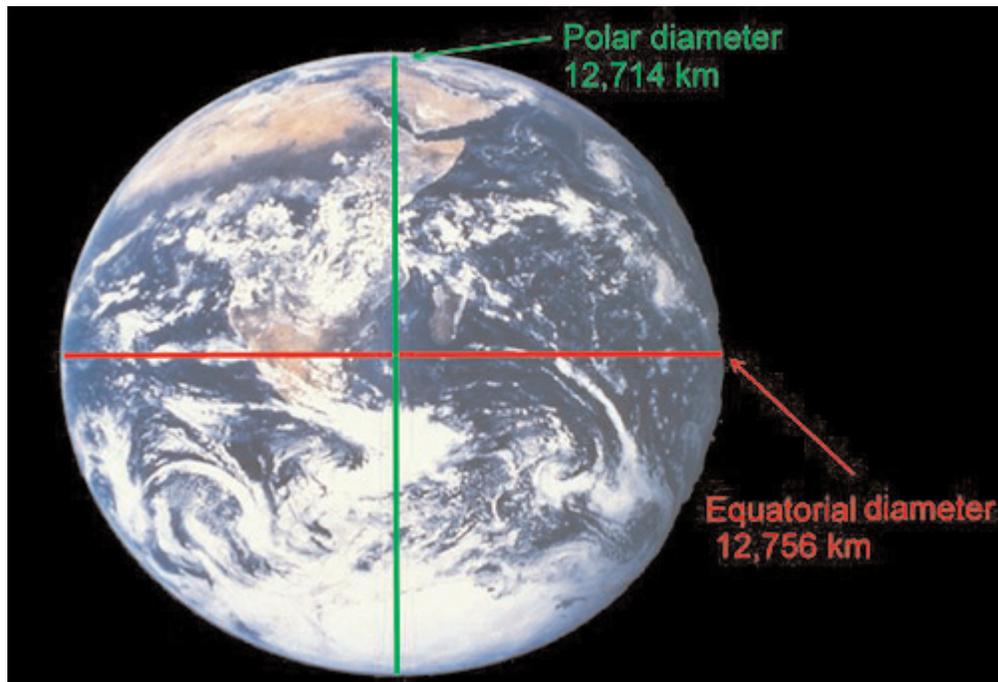
I hope you enjoyed the *void* in column 113. Our final puzzle is another problem of the same type. The goal is to create a void on the 8th rank. Some pieces are destroyed, others redeployed.

## Synthetic Game 25



Compose a game that ends  
after White's 7th turn  
with the 8th rank empty.

Thirteen moves to clear the last rank of all pieces. Seven by White, six by Black. Can you find the final tempo?



A *spheroid* is a nearly round three-dimensional object. Geometrically, it is created by rotating an ellipse around one of its axes. A good example of a spheroid is the planet Earth! We're not as round as we could be.

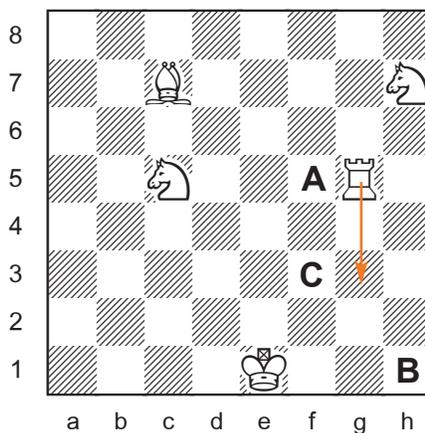
## SOLUTIONS

All problems by J. Coakley, *Puzzling Side of Chess* (2016).

**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.** Other columns with similar problems can be found in the Puzzling Side archives.

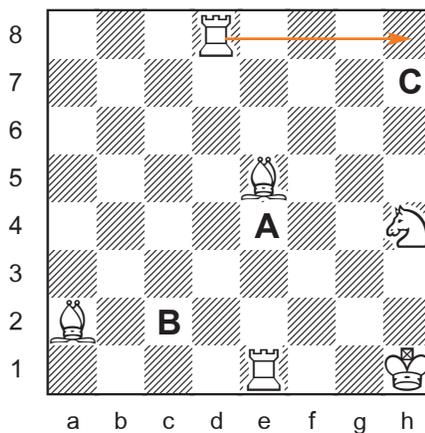
### Triple Loyd 55



- A. Kf5#
- B. Kh1=
- C. Kf3 (Rg3#)

The ABC's of chess.

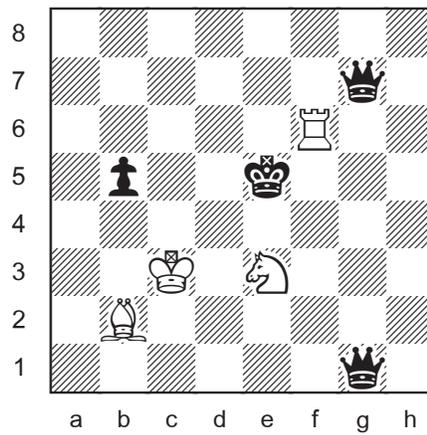
### Triple Loyd 56



- A. Ke4#
- B. Kc2=
- C. Kh7 (Rh8#)

Straight to mate.

## Inverted Loyd 37



Rf6, Bb2, Ne3 were added.

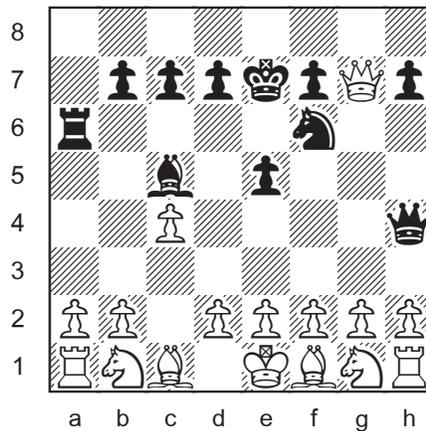
1.Kd3#

Disco king.



*Global Proliferation of Chess Conundrums*

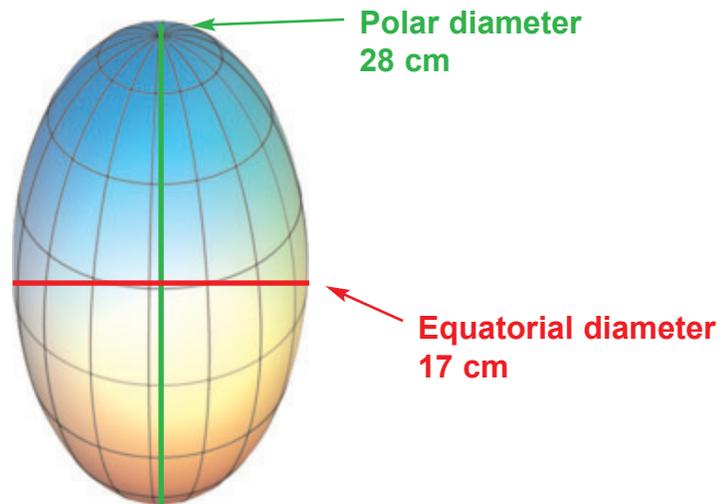
## Synthetic Game 25



1.c4 e5 2.Qa4 Bc5 3.Qxa7 Qh4 4.Qxb8 Nf6  
5.Qxc8+ Ke7 6.Qxh8 Ra6 7.Qxg7

The solution is not unique, but the general scheme of captures by the white queen is necessary. White could also play 1.c3. Various black moves could be replaced or played in a different order.

A similar line “on the other side” is 1.d4 d5 2.Qd3 Qd6 3.Qxh7 Bg4 4.Qxg8 Nc6 5.Qxf8+ Kd7 6.Qxa8 Rh6 7.Qxb7.



*American football  
pseudo-prolate spheroid*

Until next time!

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