The Puzzling Paradoxes of Modern Physics

Felix Flicker
Paradoxes

Two lines of seemingly-sound reasoning, following from seemingly-valid premises, lead to an apparent contradiction.
Paradoxes

Two lines of seemingly-sound reasoning, following from seemingly-valid premises, lead to an apparent contradiction.
Paradoxes

Two lines of seemingly-sound reasoning, following from seemingly-valid premises, lead to an apparent contradiction.
Hilbert's Paradox of the Grand Hotel
Hilbert's Paradox of the Grand Hotel
Erwin Schrödinger
Erwin Schrödinger
Gömböc
Falsidical Paradoxes
"'This is the bottle,' said the man" (p. 154).
Antinomy
Korean Dharma Combat Koans

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)
Korean Dharma Combat Koans

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)
What is the way of Nam Cheon?
What is the way of Nam Cheon?

This sickle cost me thirty cents!

Korean Dharma Combat Koans

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)
What is the way of Nam Cheon?

This sickle cost me thirty cents!

I didn't ask you about your sickle!

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)
Korean Dharma Combat Koans

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)

Master: What is the way of Nam Cheon?
Student: This sickle cost me thirty cents!
Master: I didn't ask you about your sickle!
Student: The dog runs after the bone.
What is the way of Nam Cheon?

This sickle cost me thirty cents!

I didn't ask you about your sickle!

The dog runs after the bone.

Is this correct?

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)
What is the way of Nam Cheon?

This sickle cost me thirty cents!

I didn't ask you about your sickle!

The dog runs after the bone.

Is this correct?

A second offence is not permitted.

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)
Korean Dharma Combat Koans

(from Ten Gates, The Kong-an Teaching of Zen Master Seung Sahn)

Master

What is the way of Nam Cheon?

This sickle cost me thirty cents!

I didn't ask you about your sickle!

The dog runs after the bone.

Is this correct?

A second offence is not permitted.

Oh, Wonderful!

Student
Paradoxes

Yields a Truth

Veridical

Dialetheia

Antinomy

Yields a Falsehood

Falsidical
Thanks for listening!

Many thanks to:

- Jenny Steer for photographing the Exeter Book
- Stuart MacWilliam, Assistant Librarian, Exeter Cathedral Library
- Megan Cavell for translating Exeter Book passages
- David Beadle, Jack Winter, Leo Tarasov, John Holme, John Hannay, and James Arnold for many helpful discussions
- Nick Diao for calculating the double pendulum solution