



# The Ever-Changing Sky: A Guide to the Celestial Sphere

By James B. Kaler

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The Ever-Changing Sky is a comprehensive and uniquely non-mathematical guide to spherical astronomy. In a clear and lucid text, it guides through terrestrial and celestial co-ordinate systems, time measurement and celestial navigation, on to the stars and constellations (with useful star maps provided), the motions and appearance of the Moon and planets, tides and eclipses, and the smaller bodies of the Solar System (asteroids, meteors, meteorites and comets). There is also a brief overview of atmospheric phenomena. This text is invaluable to students of naked-eye astronomy, amateur and professional astronomers, and more general readers wanting to know how the night sky changes.

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## **The Ever-Changing Sky: A Guide to the Celestial Sphere By James B. Kaler Bibliography**

- Sales Rank: #1723766 in Books
- Brand: Brand: Cambridge University Press
- Published on: 1996-02-23
- Original language: English
- Number of items: 1
- Dimensions: 9.72" h x 1.22" w x 6.85" l,
- Binding: Hardcover
- 528 pages

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#### **Review**

"[A]n excellent discussion of the variations in solar time. This is essential material for understanding sundials." Joe Heafner, *Sky & Telescope*

"It develops into a comprehensive treatment of all aspects of the sky that could be useful to astronomers, whether they are professionals, amateurs, or students, and to general readers who simply wish to learn about the night sky...a thoroughly enjoyable read." *Astronomy*

#### **About the Author**

James B. Kaler is Professor of Astronomy at the University of Illinois where his research centres on dying stars. Professor Kaler has held Fulbright and Guggenheim Fellowships, and has been awarded medals for his work from the University of Liege in Belgium and the University of Mexico. As well as having published more than 100 research articles, he has written for a variety of popular and semi-popular magazines including *Mercury*, *Astronomy*, *Stardate*, *Sky and Telescope*, *Scientific American*, and *l'Astronomia* in Italy, and appears regularly on Illinois television and radio. His popular book, *Stars*, was published by *Scientific American Library* in 1992, and a new elementary astronomy textbook, *Astronomy!*, was published in 1994 by *HarperCollins*. Professor Kaler was also a consultant for *Time-Life Books* on their *Voyage Through the Universe* series. He is past president of the Board of the Champaign-Urbana Symphony.

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