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Books & Papers on Radio Astronomy (select one)

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BOOKS.....

The following books on radio astronomy are available at:

<p>http://www.radiosky.com/booksra.html http://www.amazon.com</p>
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Listening to Jupiter

Richard S. Flagg

Listening to Jupiter presents a comprehensive background and the technical know-how for capturing Jupiter's radio noise storms. This book was especially written for participants in the Radio Jove project. Topics also include electronics, antenna and receiver designs, advanced measurements and calibrations, and the basics of solar radio astronomy.

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Radio Astronomy Projects

William Lonc

This book includes a number of telescopes and loads of projects to demonstrate important radio astronomical principles.

Radio Astronomy Teacher's Notebook

Written as a resource for teachers wishing to incorporate radio astronomy into the classroom. Complete plans are included for a 38 MHz interferometer and a 1.4 GHz telescope that uses a 1-meter horn that you can construct from Celotex double foiled foam board. Includes chapters on solar studies, Jupiter observations and equipment and system design.

Radio Astronomy 2nd Edition

John Kraus

This textbook for radio astronomy provides a technical introduction to all of the major aspects of radio astronomy. This book contains all major fundamental formulas used in radio astronomy. Among the topics covered are receivers, antennas, surveys, and pulsars.

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Big Ear Two: Listening to Other Worlds

John Kraus

This book relates the professional history and story of the Big Ear radiotelescope in Ohio. The book spans from Kraus's early days as an inventive amateur radio operator, through his scientific efforts during the war years, and into the present—including his thoughts on gravity waves, SETI and the “WOW” signal.

An Introduction to Radio Astronomy

Bernard F. Burke with Francis Graham-Smith

Cambridge University Press 1996

The first half of this textbook involves a discussion on the operation of radio telescopes (from basic antennas and single aperture dishes to full aperture synthesis arrays). The remaining portion of this book focuses on a review of radio observations of the universe.

The Amateur Radio Astronomer's Handbook

John Potter Shields

Crowns Publishers, Inc.

New York, 1986

This introductory book on radio astronomy includes topics such as basic electronics, antenna design and construction, radio wave propagation and the ionosphere, construction of a 400 MHz interferometer, and observing radio signals from the Sun, Jupiter and meteors.

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PAPERS.....

Article: *Nikola Tesla and the Planetary Radio Signals*

by Kenneth L. Corum and James F. Corum

<http://www.teslasociety.com/mars.html>

The following article provides an historical account of research conducted by Nikola Tesla, which suggests that he may actually have detected radio signals from Jupiter in 1899, but mistakenly considered Mars as the source of this cosmic radio emission. Special refer to Jupiter can be found on pp 14ff.

Click the picture below to select the full article:



Nikola Tesla

Courtesy of the Tesla Society

<http://www.teslasociety.com>

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