

---

# JOURNAL OF ASTRONOMICAL HISTORY AND HERITAGE

ISSN 1440-2807

---

## EDITOR

Dr Wayne ORCHISTON (Australia)

## ASSOCIATE EDITORS

Dr Hilmar DUERBECK (Germany)

Professor Joseph TENN (USA)

## EDITORIAL BOARD

Dr David ANDREWS (England)

Dr Alan BATTEN (Canada)

Dr Allan CHAPMAN (England)

Dr Suzanne DÉBARBAT (France)

Dr Wolfgang DICK (Germany)

Dr Steven DICK (USA)

Professor Bambang HIDAYAT (Indonesia)

Professor Rajesh KOCHHAR (India)

Professor LIU Ciyuan (China)

Dr Tsuko NAKAMURA (Japan)

Professor NHA Il-Seong (Korea)

Professor F. Richard STEPHENSON (England)

Professor Richard STROM (The Netherlands)

Professor Brian WARNER (South Africa)

---

The *Journal of Astronomical History and Heritage* (*JAH*<sup>2</sup>) was founded in 1998, and from 2007 has been published three times yearly, in March, July and November. It features review papers, research papers, short communications, correspondence, IAU reports, and book reviews.

Papers on all aspects of astronomical history are considered, including studies that place the evolution of astronomy in political, economic and cultural contexts. Papers on astronomical heritage may deal with historic telescopes and observatories, conservation projects (including the conversion of historic observatories into museums of astronomy), and historical or industrial archaeological investigations of astronomical sites and buildings. All papers are refereed prior to publication. There are no page charges, and *in lieu* of reprints authors are sent a pdf or Word camera-ready version of their paper.

A 'Guide for Authors' is on the *JAH*<sup>2</sup> web site ('History Astro. Journal') at

[www.jcu.edu.au/astronomy](http://www.jcu.edu.au/astronomy)

and should be followed carefully when preparing manuscripts. Papers and book reviews should be e-mailed to the Editor, Dr Wayne Orchiston ([Wayne.Orchiston@jcu.edu.au](mailto:Wayne.Orchiston@jcu.edu.au)), or posted to him at

Centre for Astronomy,  
James Cook University,  
Townsville,  
Queensland 4811,  
Australia.

Enquiries concerning subscriptions, review copies of books, advertising space, back numbers or missing issues of the *Journal* also should be directed to Dr Orchiston.

The annual subscription rates for Volume 12 (2009) are:

AU\$200:00 for institutions

AU\$88:00 for individuals

© Centre for Astronomy at James Cook University. The views and opinions expressed in this *Journal* are not necessarily those of the Centre for Astronomy, the Editors or the Editorial Board.

---

## COVER PHOTOGRAPH

This is the second of two issues celebrating the major contribution that Professor Wilber N. (Chris) Christiansen (1913-2007) made to international radio astronomy. The cover image is a view looking west at sunset, showing some of the antennas in the central part of the Chris Cross at the Fleurs field station near Sydney (Australia). This innovative crossed-grating interferometer was designed by Professor Christiansen and during the late 1950s and through the 1960s was used to produce daily isophote maps of solar emission at 1423 MHz. The insert shows Professor Christiansen in his later years. The papers by Davies, Orchiston and Mathewson, and Wang on pages 4, 11 and 33 in this issue of *JAH*<sup>2</sup> discuss Christiansen's H-line work at Potts Hill and Davies involvement in solar work there (when he worked with both Christiansen and Piddington); the Chris Cross at Fleurs, and its later development as the Fleurs Compound Interferometer; and Christiansen's seminal role in the early development of radio astronomy in China.

---