

# Notice of a **FREE PUBLIC LECTURE** presented



by the **Australian Institute of Physics (SA branch)**

<http://www.physics.adelaide.edu.au/aip-sa>

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Post: AIP-SA secretary, c/o SoCPES, Flinders University, GPO Box 2100, Adelaide SA 5001

at **7:30 pm** on **Thursday 19<sup>th</sup> May 2005** in  
**Union Hall** at the **University of Adelaide**



## **“Secrets of the Universe”**

**by Mr David Reneke,**  
**News Editor, Australian Sky and Space**  
**Magazine**



Where did the universe come from? What are black holes? Will our sun really die? Will we live on Mars? How are stars made? How was the solar system formed? These questions and more will be answered in a new interactive program called '*Secrets Of The Universe*' - a full colour audio-visual program detailing the evolution of the Universe and the history of the space program presented by David Reneke.

Suitable for those with little or no knowledge of astronomy, this enthralling one-hour show is covered in simple, easy to understand terms using a new and exciting PowerPoint presentation David has produced.

Throughout the talk, David will be using the latest, most up to date visual material available from NASA and the Hubble Space Telescope. In a splash of colour you will learn how the universe was created. You will discover the wonder and beauty of stars, star clusters, galaxies, and black holes, and hear about the latest discoveries in astronomy from around the world. With newly released NASA images you'll explore all the planets, moons, comets and asteroids in our solar system. You'll even get to hold a real meteorite, and much more!

David Reneke, one of Australia's most well known and respected astronomers and lecturers, has over 40 years experience in astronomy with links to some of the world's leading astronomical institutions. David is also the news editor for Australia's SKY & SPACE Magazine, he teaches astronomy at college level, is an invited speaker at astronomy conventions throughout Australia, a feature writer for major Australian newspapers, and is currently a science correspondent for ABC and commercial radio speaking on dozens of stations each week across the country on astronomy and space science issues.

Since 2004, David has been touring most of the primary and secondary schools throughout N.S.W. introducing a new interactive astronomy & space education program he's developed called '*Astronomy Outreach*'. Designed especially for Australian school students, it gives them a refreshing new look at what's happening in the night sky and gives them practical, hands on experience in the use of modern telescopes.



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SA Branch newsletter: Tuesday May 10<sup>th</sup> 2005

## Upcoming events

Date	Time	Place	Status	Function
Tues. May 17 <sup>th</sup>	6:15pm	Stockport	See below	Astronomy Viewing Night
Thurs. May 19 <sup>th</sup>	7:30pm	Union Hall	Definite	Public lecture by David Reneke
Fri. May 20 <sup>th</sup>	5:00pm	Kerr Grant, UoA	Definite	Teachers' workshop by David Reneke

## Public lecture

If you can, please help to publicise the public lecture detailed overleaf. Members are invited to have dinner together prior to the lecture, from 6pm onwards at Caffè Buongiorno, 187 Rundle St., Adelaide. Please inform the branch secretary (contact details above) anytime before noon on Thursday 17<sup>th</sup> if you will attend the dinner, so that a suitable table can be booked. Supper will be provided after the meeting.

## Teachers' Astronomy Workshop

by Mr David Reneke, News Editor, Australian Sky and Space Magazine,

5:00pm for a 5.30pm start Friday 20<sup>th</sup> May in the Kerr Grant Lecture Theatre, University of Adelaide.

An interactive 2 hour session outlining the work David has done over 2 years with the Schools 'Astronomy Outreach' program plus an illustrated PowerPoint talk on general astronomy covering the subjects contained in the current school curriculum. He'll show, in simple terms, images of planets, stars, and galaxies etc. and suggest a logical, progressive way of presenting it to students in the classroom. Also discussed will be places to source astronomical information quickly and easily, including images freely available on the internet, along with ideas on using simple objects to describe astronomical distances and the relative sizes of the planets and stars. Various printed material will be distributed to teachers on the day including basic astronomical fact sheets, ideas on how to start a school astronomy club etc. and each teacher will be given a complimentary CD Rom containing teaching aids and links to some of the better internet sites. A Q&A segment will finalise the session.

RSVP by Wednesday the 18th of May to Olivia Samardzic, Ph: 8259 5035 (wk)

0410 575 855 (mobile) or email [Olivia.samardzic@dsto.defence.gov.au](mailto:Olivia.samardzic@dsto.defence.gov.au), if interested in attending.

## Astronomy Viewing Night

Invitation to AIP members to join in a SPACED (Society for Physics, Astronomy, Cosmology and Experimental Devices) Stockport Observatory Trip

The next trip has been organised for Tuesday the 17<sup>th</sup> of May. The cost of the excursion will be \$5 per person, which covers both bus hire and entry into the facility. We will be travelling by bus, which will be leaving from the university. The details are as follows:

6:15 - Bus leaves from Gate 9 (Victoria Drive, Opposite the footbridge)      7:15 - Arrive at Stockport  
10:15 - Leave Stockport      11:15 - Arrive back at the University.

If you would like to drive, there are parking facilities available at the Observatory, but there will still be a \$5 entry fee. Bookings are still required if you want to drive. The last trip filled up quickly, and we had to turn people away, so if you are interested in attending then PLEASE let me know soon by sending an email to [SPACED@physics.adelaide.edu.au](mailto:SPACED@physics.adelaide.edu.au), or contact the branch secretary.      Cheers, Wade

PS. If the weather is bad on the evening, we will cancel the trip (but you will be notified if this happens). A backup night has been organised for the 26<sup>th</sup> of May, so if you're \*super\* keen to come along, keep this night free as well, just in case.