

# RANGELAND BIOLOGY AND ECOLOGY SEMINARS

**July, 2008**

**July 24<sup>th</sup>, Thursday, 12.30** at CSIRO Conference Room, Alice Springs.

**Adrian Hitchman, Liejun Wang, GeoScience Australia, Canberra  
Kiyoshi Fujita, Osaka University  
Masahiro Ichiki, Tokyo Inst of Technology**

## **Earth Conductivity Studies in Alice Springs**

Naturally occurring changes to magnetic and electric fields at the Earth's surface caused by solar activity can be used to infer the electrical conductivity structure 100s of km below the Earth's surface. From the electrical properties, inferences about Earth chemistry and mineralogy can also be made. A collaborative project between GeoScience Australia, Osaka University and Tokyo Institute of Technology will allow this information to be obtained beneath Alice Springs which may be compared with long term monitoring of earth surface magnetic data obtained at the ACRES facility for several years.

The information may be of interest to such diverse fields as geological and petrochemical exploration as well as alternative energy sources and carbon sequestration.

Bring your lunch

## **Coming Seminars**

## **SPEAKERS and PARTICIPANTS NEEDED:**

**Volunteer speakers, requests or cancellation of email notification:** contact Bill Low, Coordinator, P.O.Box 3130, Alice Springs; Phone/Fax 89 555 222, Fax 89 555 722; Email: [LowEcol@LowEcol.com.au](mailto:LowEcol@LowEcol.com.au)

Organisational and distributional assistance from CSIRO, NRETA, DPIFM, CAT, CLC.

**Seminar notices are available on:** <http://www.cse.csiro.au/news/alicespringsseminars.pdf>

Rangeland Biology and Ecology Seminars (formerly Rangelands Coordinating Committee) have been useful in facilitating communication between environmental researchers, managers and the interested public in Alice Springs since 1974. The seminars provide an opportunity for the diverse Government, Institutional, Council, Company and private technical community and interested public to discuss current research and projects, impacts on or opportunities in arid Australia. Presenters may provide information on research and management of biological, landscape, cultural and physical aspects of central Australia or pertinent topics from around the World. The seminars also provide a training arena in preparation for conference talks or to float ideas or to help develop a project. Sometimes they present technical travelogues of distant lands. Appropriate professional society or interest group notices can also be included. The venue is the one most appropriate for the speaker and audience but for consistency is usually the CSIRO Conference Room. Talks are usually on a Friday afternoon, but can be scheduled at any appropriate time. **We're always keen to hear from people who would like to present a seminar** and can organize venue and time to suit the speaker at short notice. Come along for a natter, a catch up or to meet new people and new ideas.