

TEMs Links



August 2007

VOLUME 8 ISSUE 1

CC's Corner

Dear MTEM students, welcome to another issue of TEMS Links, the newsletter that keeps the next generation of land managers in touch!

Again a remarkable range of articles and items of interest, featuring unit residential reports for the desert-to-tropics unit (SES360) and the Maningrida (WL404) and wetlands management programs (SBI506). Also featured are updates from MTEM graduates from around north Australia and the world. MTEM students should not forget CDU's Professional Doctorate in Tropical Environmental Management (www.cdu.edu.au/ehs/dtem/index.html), a potential future opportunity for MTEM students. In other news, CDU and partners are now consolidating a major collaborative research consortium addressing tropical catchment and coastal management issues. Known as the Tropical Rivers and Coastal Knowledge (TRaCK) research hub (www.track.gov.au), this program will investigate aspects of river health and management across catchments of northern Queensland, the NT and WA. In the NT, the Daly River system will be a focus of much research ranging from land clearing and impacts on surface and groundwater resources, sediment movement to indigenous knowledge of water resources. More information on the consortium can be found at www.tropicalfutures.nt.gov.au/index.cfm?contentid=15, again potential opportunities for MTEM research projects here and future employment. Recent announcements by the Commonwealth government re carbon trading schemes have also sparked increased interest in managing savanna fires for greenhouse offsets, with significant involvement of indigenous communities. Over 40% of the NT's greenhouse emissions are due to hot, late dry season fires, many of which occur in remote regions of Arnhem Land. Better management of these fires would reduce emissions, engage Indigenous communities in their management and also result in enhanced biodiversity outcomes for fire sensitive ecosystem's currently being threatened by such a fire regime.

Land management issues and problems continue to rapidly evolve in north Australia with no shortage of need for MTEM graduates! Enjoy this current semester and this issue of TEMS Links.

Regards, Lindsay Hutley
Course Coordinator - TEM Program
School of Science and Primary Industries, CDU Darwin



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TEMS LINKS

- *This newsletter aims to keep students and graduates of the Tropical Environmental Management Program in touch with each other and with staff in the course*

WE WANT YOUR NEWS!

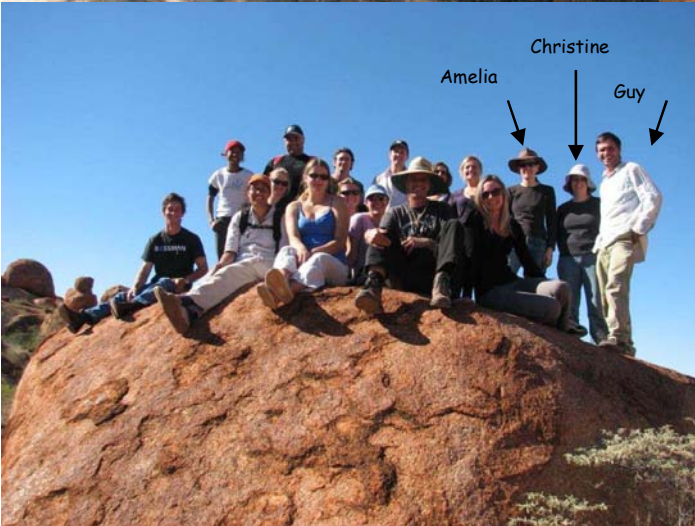
- *We welcome contributions from students, graduates and others, at anytime and should be sent to*

TEMS Links
C/o Dr Penny Würm
TS-CRC Higher Education Program
CDU, Darwin NT 0909
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penny.wurm@cdu.edu.au

TEM Students go bush

Elective unit SES360

Students enrolled in a unit looking at tropical and desert landscapes enjoyed the Territory dry season with a 12 day field trip, lead by Guy Boggs (Unit Coordinator) and Christine Schlesinger (Lecturer). The purpose of this unit is to provide students with an understanding of relationships between the physical, biological and human environments from Central to Northern Australia. Changes to landscapes will be examined at a local and continental scale. Students will be exposed to these highly variable environments and engaged in a variety of field techniques (with a particular emphasis on the use of computer aided technologies) for assessing landscape structure and function. They will also assess how different stakeholder groups manage natural resources and what environmental issues they face.



A reference from Amelia Graham for SES 360

I think the course is very relevant to MTEM students (especially those living south of the Berimah line- i.e. not just Top End focused) as it gives an overall picture of land management issues and land use in the NT. For me it was helpful in providing perspective on relative importance of different land management issues (fire, ferals, weeds, grazing, water use, land clearing), and land uses and their effect on the environment. Also appropriately including social and cultural issues (Aboriginal, pastoralism, Government, historical etc.).

Cheers, Amelia (MTEM Student)

GET OUT OF THE CLASS ROOM AND INTO THE REAL WORLD!!

Explore the unique landscapes of central and northern Australia in this year's mid-year break with SES360 - Field Studies in Tropical and Desert Landscape Processes...



Unit Purpose The purpose of this unit is to provide students with an understanding of relationships between the physical, biological and human environments from Central to Northern Australia. Changes to landscapes will be examined at a local and continental scale. Students are exposed to these highly variable environments and engaged in a variety of field techniques (with a particular emphasis on the use of computer aided technologies) for assessing landscape structure and function. They also assess how different stakeholder groups manage natural resources and what environmental issues they face.

Assessment: Three assessment items must be completed to fulfil the requirements of this unit; on-trip contribution (15%), an on-trip presentation (25%) and post tour final 5000 word report (60%).

Offered and Contact Hours: This unit requires students to attend an intensive 12 day teaching course in northern Australia between Semester 1 and 2 (Tue 26th June to Sat 7th July, 2007). Note: Accommodation and food are the responsibility of each student (organised accommodation/food will cost approx. \$600).

Prerequisites: Equivalent of 1 year undergraduate study

Enrolment: ANU students will enrol as cross institutional students at CDU.

For enrolment details or any further information please contact Dr Guy Boggs e-mail: guy.boggs@cdu.edu.au ph:(08) 89467138

TS-CRC Future



TS-CRC provided the original impetus and resource base for the establishment of the now flourishing TEM program. The TEM Program is one of the TS-CRC successes that will now outlive the TS-CRC itself. We have paraphrased an article from John Kerin, the Chair of the TS-CRC Board of Management, from the June 13 Issue 107 of *Topical Savannas, Issue:*

"The CRC ...will not continue to be funded beyond June 30 next year, as the Commonwealth Government ... policy ensures that public good, dispersed private good and environmental CRCs will no longer be funded. We have all three characteristics. In the round we were unsuccessful in CRCs for weeds, wheat quality and dairy all failed.

None the less, we can be proud of all that we have achieved...across Northern Australia [but] the Board and management of the CRC is trying to ensure that all projects" are catered for.

... NAILSMA ...[and] some of the projects with Aboriginal people on mine site rehabilitation and NRM will continue. [As will] our pastoral interests [with] MLA and NABRIC ...

I take this opportunity to thank you for all you have done and will continue to do or at least remember the experience of your association, in whatever capacity with the CRC. ...Can I just say that I have never worked with, or been associated with a better group of people.

*Every best wish,
Sincerely, Hon. John Kerin
Chair, Tropical Savannas CRC"*

<http://savanna.cdu.edu.au/>

TEM Students go bush

Elective unit WLM404

From Tony Griffiths

Another successful and enjoyable field trip has been completed. WLM404 Natural Resources and Livelihoods completed a successful intensive during semester break. MTEM students were joined by Desert Knowledge CRC participants and travelled to Maningrida in central Arnhem Land eager to learn more about the role of natural resources and indigenous livelihoods. The intensive provided students with a unique opportunity to experience the myriad of issues facing remote Aboriginal communities in northern Australia.



Action with the Cadell turtle trap



The group at Ubirr, with Professorial Research Fellow Tony Cunningham (front left) & Tony Griffiths beside him. Photos provided by Tony Griffiths.

Staff on the move

A staff update is the recent news that **Tony Griffiths** is moving to a position as senior scientist with Biodiversity Conservation Division with the NT Department of Natural Resources, Environment and The Arts. Many of you would have come across Tony during his 8 years at the University. We wish him all the best and some may have occasion to work with him in his new capacity.

A Field Oriented Unit

The unit WLM404 Natural Resources and Livelihoods is set up to provide current and potential natural resource managers with an understanding of the opportunities and challenges involved in developing natural resources for livelihoods, and the skills required to participate in a diverse range of conservation, commercial and cultural enterprises. A compulsory Residential School is held in the Top End or Central Australia at the end of Semester 1 to explore and experience local case studies and expert knowledge, and include field trips to iconic destinations such as Kakadu National Park. The unit requires Internet access. If you are interested please contact Lindsay Hutley for further information.

TEM Students go bush

Elective unit SBI506

The small but enthusiastic group of Isabella Amouzandeh, Douglas Arden, Will Dove, Jenni Low Choy, Ranid May and Danie Luttig (along with visiting scholar Acacio da Costa for the first two days) dipped their toe into the freezing cold waters of Tropical Ecology and Management during the mid year break (the trip just happened to coincide with an uncharacteristic cold snap!). The field intensive included visits to peri-urban wetlands around Darwin, and day trip to wetlands at Acacia Larrakia Aboriginal Community Inc. The field work included a morning of sampling at Girraween Lagoon, looking at vegetation and macro-invertebrates - Keith Mc Guinness and Penny Wurm led the way into the water. The snaps were taken by Jenni Low Choy (and Ranid May).



Keith McGuinness musters the troops before sending them off to get wet. L to R: Jenni, Danie, Ranid, Doug, Will, Keith and Isabella.



Ranid & Douglas (who travelled from the US for the intensive) search for gold at Girraween Lagoon.



Keith has the last laugh—at least he kept his shirt dry..

Thanks to Jenni Low Choy for providing these photos.

TEM Students go bush

Elective unit SBI506



Humph. We thought as much.



Douglas & Ranid try to remain serious while placed in a silly, silly situation



Isabella & Will work on the tray, and Penny & Danie work on the tarpaulin, while Keith pours himself a drink.



Penny demonstrates toe touching to Danie, Will & Isabella, who look on, incredulous.

MTEM Graduate Update: Daly River Project

Information from the Project flyer

Daly River fish and flows project: an environmental flows study in a collaboration between Charles Darwin University, Griffith University, CSIRO Sustainable Ecosystems, the Northern Territory Government, the University of Washington, Wagiman people and the Guwardugan Rangers and the Wardaman Aboriginal Corporation. The project is funded by Land and Water Australia, the Natural Heritage Trust and TRaCK (Tropical Rivers and Coastal Knowledge research hub).

The project commenced in the dry season of 2006 and with additional funding from TRaCK it will continue until 2009.

The broad aims of the project are to investigate variation in fish distribution and ecological requirements in the Daly River, as well as to document Indigenous knowledge and learn about the cultural significance of fish. This information will be combined to produce models relating fish ecology and flow, which can be used in water planning. The knowledge gained will also be applicable to other river systems in northern Australia and for future planning processes.

The study has been designed the study to make use of information that may already exist in the Daly and other nearby catchments, as well as collecting new information during field studies in the Daly River catchment.



Ian Dixon, aka Dicko, measuring water quality in the Daly River for the Daly Fish Project. Photo supplied by Ian Dixon

Members of the team include: Michael Douglas, Eric Valentine (Charles Darwin University), Mark Kennard, Brad Pusey, (Griffith University), Sue Jackson (CSIRO Sustainable Ecosystems), Helen Larson, Steve Tickell, Simon Townsend, (NT Department of Natural Resources, Environment and the Arts), Quentin Allsop, Blair Grace, Poncie Kurnoth (NT Department of Primary Industry, Fisheries and Mines), and Julian Olden (University of Washington). www.tropicalfutures.nt.gov.au/index.cfm?contentid=15

The Project had its official launch on 31 July. For further information see: <http://www.cdu.edu.au/newsroom/story.php?nID=2163>

Research at CDU

Don't forget to check the CDU Research Office website for up to date information on experts and associations, scholarship opportunities and professional skills workshops that are offered. Staff have expertise in tropical and desert knowledge of the Australian and Asia-Pacific region, with particular focus on Indigenous knowledge and addressing problems of importance to the peoples of the region. <http://www.cdu.edu.au/research/students/scholarships/internal.html>



Thesis Submissions

By Penny Wurm
MTEM Research Projects Coordinator
penny.wurm@cdu.edu.au

Since the last edition of *TEMsLinks* the following MTEM candidates submitted their theses.

Rowena Eastick's thesis was entitled *The environmental sustainability of weed management practices in a potential cotton production industry in the Northern territory*, and drew upon her professional experience working for the NT government in agricultural research. Rowena's project was supervised by Sam Setterfield (CDU) and Col Martin (NT Gov).

Kate Minihan's project focused on the *Sustainable use of groundwater by landowners in North Ward of Litchfield Shire NT*, and was supervised by Naomi Rea (CDU).

Ian Dixon's project investigated *The relationships between a riparian rapid assessment methodology and terrestrial and aquatic attributes*, and was supervised by Michael Douglas (CDU) and Simon Townsend (NT Gov).

Bela Shah's thesis (just submitted) is entitled *Improving germination rates of Ficus seeds using frugivore digestion and acid treatment*.

Graduate Updates

Amaral Chibeba (MTEM, International) is now Project Coordinator for an IIAM-IITA funded cassava project, based in Nampula, Mozambique.

Johanna Karam (MTEM graduate) is taking leave from her position as research associate for Indonesian projects in the School of Science & Primary Industries and in School for Environmental Research to care for her sweet little daughter Milika who was born in late April.

Justin Perry (MTEM graduate), who now works with CSIRO in Townsville emailed us with the happy news that his second daughter Olivia Bella arrived safely in February 2007.

Michelle Press (MTEM graduate, International) emailed us to say she is now living in Gainesville Florida, starting a new job at the Program for shark Research at the Florida Museum of Natural History.

Jane Barratt (MTEM graduate, International, but now local) is enjoying her position as a Vegetation Management Officer, with the Department of Natural Resources, Mines and Water, Bundaberg. Jane popped back to Darwin for a visit earlier this year and shared the happy news that she is expecting her first baby.

Makoto Hasebe (MTEM graduate, International) is now working as an environmental consultant in Sapporo, Japan. This work mainly involves undertaking wildlife surveys. Makoto also married this May. Congratulations!

Natalie Madden (MTEM graduate) is now working for Comalco Alumina Refinery, Rio Tinto Gladstone in environmental monitoring.

Patrick Gray (MTEM graduate) is back with NT Department of NRETA as Scientist, Water Resources (Conservation and Natural Resources Group). Patrick is also working with relevant agencies, who are interested in applying the results of his MTEM study into beach erosion around Darwin.

An update from **Graeme Armstrong** (a past TEM candidate) now a PhD student at School of Environmental Research is studying ecological genetics of *Triodia* spp. at Mornington Wildlife Sanctuary (AWC) in the Kimberleys. Graeme is looking at reproductive ecology in the field and collecting genetic samples for processing at Bioscience North, in an attempt to link this data to spatial data. His

(Continued on page 9)

TEM Graduations



Graduation ceremonies are always happy occasions. In October 2006 **John Doherty** (Weipa) and **Linda Wirf** (Darwin) both received their Master of TEM, and **Nic Gambold** (Alice Springs) received his Graduate Diploma of TEM. We don't have happy snaps as none of the three were able to attend the graduation ceremony.

In May this year the stage at Casuarina campus was awash with the rich pink of TEM silks as **Ian Dixon**, **Birgit Hallenstein**, and **Kate Minahan** received their Master awards in person.

Also graduating, but not able to attend the ceremony in May, were **Rowena Eastick** (Darwin) and **Eva Hruskova** (ex Slovakia, now Brisbane) with MTEM, **Gary Taylor** (Darwin) with GD TEM, and **Anita Keir** (Darwin) and **Penny Mangan** (Darwin) with GC TEM.



Ian Dixon, with Penny Wurm on graduation night in May. Dicko is now working with Michael Douglas on some of the TRaCK research on the Daly River.

Graduation - 2007 & 2008

<http://www.cdu.edu.au/graduation/>

12 October 2007

- Darwin Entertainment Centre
All faculties

22 May 2008 6.30pm Graduation courtyard

- Faculty of Education, Health and Science
- Institute of Advanced Studies

23 May 2008 6.30pm Graduation courtyard

- Faculty of Law, Business and Arts
- Faculty of Technology

13 June 2008 TBC 7.00pm

- Alice Springs Convention Centre
All faculties

10 June 2008 TBC

- Darwin Entertainment Centre
All faculties



MTEM Theses

Did you know that copies of some of the completed MTEM Theses are lodged in the CDU Library? They can be found in the catalogue using the search term "MTEM" and are all shelved together under catalogue number 500.72.

(Continued from page 8)

supervisors in the NT are Stephen Garnett, Gay Crowley, Diane Pearson and Sarah Legge, and Steve Murphy in the west. The purpose of the study is to guide fire management for the benefit of granivorous bird species i.e. Gouldians.

Bela Shah (MTEM thesis just submitted) and her husband Yogi have moved to Armidale where Bela will now commence a Master of Geographic Information Science.

Postgraduates at CDU

Have you subscribed to the CDU Post-graduate Students Association mailing list?

The CDU Post-graduate Students Association (CDUPSA) represents the interests of all post-graduate students (Masters by Coursework, Masters by Research, PhD) at CDU. CDUPSA provides information for all post-graduate students through its website as well as facilities for post-graduate students at the Casuarina campus through the Post-graduate Students Lounge located in Building 24.

Elected members of the CDUPSA Executive attend meetings with management representatives and are the voice of CDUPSA in other forums at CDU and nationally. In order for CDUPSA to be aware of issues which are important to both internal and external CDU post-graduate students, we maintain a mailing list. During the computer upgrade in late 2005, many subscribers to the CDUPSA mailing list were inadvertently bumped off the list.

If you want to be kept informed of issues and events important to CDU post-graduate students, subscribe to the CDUPSA mailing list by clicking on this link <http://lists.cdu.edu.au/mailman/listinfo/cdu-postgrads> and following the simple instructions. Please do this as soon as possible as the next monthly meeting of CDUPSA, to which all post-graduate students are invited, is on Thursday 30th August 2007 (12:30 pm to 1:30 pm in the Postgraduate Lounge) at the Casuarina campus.

Meeting schedule for the rest of 2007

Thursday 27th September 2007
(12:30 pm to 1:30 pm in the Postgraduate Lounge)

Thursday 25th October 2007
(12:30 pm to 1:30 pm in the Postgraduate Lounge)

Thursday 29th November 2007
(12:30 pm to 1:30 pm in the Postgraduate Lounge)

Thursday 13th December 2007
(12:30 pm to 1:30 pm in the Postgraduate Lounge) (Christmas Party)



UPCOMING CONFERENCES & SEMINARS



The Top End Native Plant Society meets on the third Thursday of each month at Marrara Christian School (corner of Amy Johnstone and Macmillans Rd). <http://tenpsnt.tripod.com/> July the talk is: "Rats and pythons mover back to the plains...", August: "...marsupial active, nights warming.", and September: "Cloudless skies; waterbird at billabongs, wild fruits aplenty...".

What's New for a range of activities at CDU can be found at: <http://www.cdu.edu.au/whatson/>

The CDU Symposium in Alice Springs A Skilled Workforce for Regional and Remote Australia: Keeping, Attracting, Training is a free public forum on 28 September 2007. The underlying aim of the September Symposium will be to generate discussion and debate about the ideas of workforce development, with a keen eye on various existing and future alignments of people, skills, work, structures and place. The keynote speech by Peter Sheahan, with particular reference to understanding the mindsets of Generation Y. <http://www.cdu.edu.au/cdss0709/>

CDU's School for Environmental Research (SER) Highlights See this link to stay informed: <http://www.cdu.edu.au/ser/Seminars.html>

ESA 2007 Conference Adapting to Change *Society - Environment - Science*, 25 - 30 November 2007, Perth Convention Centre, Perth Western Australia, <http://www.ecolsoc.org.au/ESA2007Conference.htm>

Short courses and workshops offered to research degree students by CDU include such topics as: Information skills, writing skills, research methods, animal ethics and software for quantitative data analysis please see: <http://www.cdu.edu.au/ehs/research/courseswkshops.html>

Heywire gives voice to regional and rural youth. Contact: Tel: 1800 26 26 46 (freecall) Web: <http://www.abc.net.au/heywire/>

CURRENT AWARDS OPPORTUNITIES



CDU scholarships. For a range of scholarship opportunities through CDU are available, please see: <http://www.cdu.edu.au/scholarships/available.html>

The Australian Academy of Science supports research through travelling fellowships and through conferences that focus on rapidly developing fields of research. There is also an award for the research on the conservation of endangered vertebrate species.

We also recognise distinguished research performance by scientists. There are [awards](#) for early-career researchers under 40 years and for career researchers for life-long achievements. Some awards are offered biennially <http://www.science.org.au/awards> Closing date of 30 August

2007 Fullbright Scholarships are to be taken-up in the following year after 1 July . Scholarships can be started anytime after 1 July and before 30 June, the following year. Applications close August 31. For further information visit: <http://www.fulbright.com.au>

RIRDC Rural Women's Award is open to all women involved in agriculture, including fisheries and forestry, natural resource management and related service industries. State and Territory winners and runners up will undertake a number of national speaking engagements and will be provided with financial support to do so. Applications close 15 October, see: <http://www.ruralwomensaward.gov.au/>

Churchill Fellowship The Winston Churchill Memorial Trust fellowship applications open 1 Nov-28 Feb each year. Information, guidelines and the application form can be access at the following website <http://www.churchilltrust.com.au/>, email churchilltrust@bigpond.com or telephone 1800 777 231. The Churchill Fellowship is the award of an opportunity, through the provision of financial support to Australian Citizens from all walks and interests of life and affords them to travel overseas to undertake analysis, study, project work or develop an interest that cannot readily be undertaken in Australia. Duration of a Fellowship must be between 4 and 8 weeks. The average value at present is about \$25,000. A proposed itinerary of no less than 4 weeks and no more than 8 weeks.

jobhunters

Hallmark Editions have two very useful sites , one for environmental jobs:

<http://www.envirojobs.com.au>

the other is for jobs in research:

<http://www.researchjobs.net.au>

“NRMjobs” is another excellent site advertising jobs that TEM students are likely to be interested in:

<http://www.nrmjobs.com.au>

Jobs in environment, water and natural resources:

<http://www.nrmjobs.com.au/>

Vacancies in all Queensland government agencies:

<http://www.jobs.qld.gov.au/>

Vacancies in all NT government agencies are at:

<http://notes.nt.gov.au/dcis/RMS.nsf/NTGEmploymentHome?OpenForm>

Vacancies in all WA government agencies are at:

<http://www.jobs.wa.gov.au/>

CSIRO's job site:

<http://www.csiro.au/people/careers.html>

You could also look at the various Indigenous Land Council websites for jobs:

<http://www.nlc.org.au/html/jobs.html>

<http://www.klc.org.au/employ.html>

<http://www.balkanu.com.au/> or Phone: 07 4019 6200, Fax: 07 4051 2270

Your are welcome to contact: Penny Würm, Lindsay Hutley or other CDU staff regarding jobhunting and career opportunities.

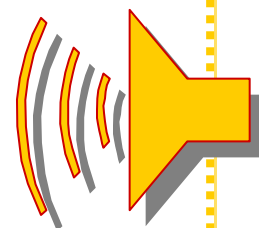
CDU Alumni Benefits and scholarships

Charles Darwin University's (CDU) Alumni has been set up to support and promote the interests of our graduates, and to foster an environment where members can contribute to the future of the University. The Alumni provides a professional and social connection for all people who have contributed to CDU, whether as a student, staff member or friend of the University or one of its predecessors.

Members of the Alumni are invited to attend CDU events throughout the year which provides an opportunity to catch up with friends and staff, and are also kept informed about new CDU initiatives. In addition, members are given access to a range of discount services.

<http://www.cdu.edu.au/alumni/benefits.html>

Call for manuscripts for the *Northern Territory Naturalist*



The Editorial Committee of the *Northern Territory Naturalist* is now calling for manuscripts for issue no 20 with the intention of publishing it during 2008.

Northern Territory Naturalist is a peer-reviewed journal. The journal is registered (ISSN 0155-4093) and sent to Thomson's Zoological Record for abstracting (<http://scientific.thomson.com/support/products/zr/zr-serials/>).

Author instructions may be downloaded from

<http://www.geocities.com/ntfieldnaturalists/journal.htm> Manuscripts should be submitted in digital form by emailing to helen.larson@nt.gov.au.

Club library and back issues of *Northern Territory Naturalist*

The Club's journal, magazine and reference collection is available to members. The full list of book and journal holdings can be found on our web-site: <http://www.geocities.com/ntfieldnaturalists> Back issues of the Club's peer-reviewed journal, the NT Naturalist, are available individually (some in photocopy only) or as a set. The cost of a set is \$60- for nos. 1-19

To arrange library access or borrowing, or for further prices and details of back issues of NT Naturalist, contact Don Franklin, don.franklin@cdu.edu.au, phone 8946 6976 (w) or 8948 1293 (h), or drop by to room 31.2.34, Charles Darwin University Casuarina.

The seminars shown below are presented at 1pm in Building 22.01 at CDU Casuarina Campus Darwin

Everything in its season? The wet and the dry in monsoon "rainforest" forest trees	Don Franklin	20/07/07
Darwin harbour	Eric Valentine	03/08/07
Outcomes of the Northern Australian Water Use Summit	Merrilyn Wasson	17/08/07
Using Bayesian Networks to manage ecological risks in the Daly River catchment	Peter Bayliss	31/08/07
The wanderings of a field naturalist in the jungles of biopolitics	Grahame Webb	14/09/2007
Meeting the biodiversity information needs of land managers	Gabriel Crowley	28/09/07
Trophic dynamics of freshwater fish: Sources of variation	Brad Pusey (Griffith University)	12/10/07
Mining, missions, cattle and ethnographers - hiccups in continuity of tradition	Noel Preece	TBA
Flow regime and habitat interact at multiple scales to shape riverine fish assemblages - insights from explanatory and predictive models developed in eastern Australia	Mark Kennard (Griffith University)	TBA

Confirm details at "What's On" at CDU, <http://www.cdu.edu.au/whatson/>

WEB-SITES at August 07

For an update on **Tropical Savannas CRC** visit: <http://savanna.cdu.edu.au/>
and **Savanna Links**: http://savanna.ntu.edu.au/publications/savanna_links.html

Savannah Explorer: http://savanna.ntu.edu.au/information/info_savanna_explorer.html

Subscribe to the NTECOL discussion list <http://lists.cdu.edu.au/mailman/listinfo/ntecol>



Gateways to climate change

ClimateArk is a climate change portal and search engine dedicated to promoting public policy that addresses global climate change through reductions in carbon dioxide and other emissions, renewable energy, energy conservation and ending deforestation. Developed by Ecological Internet, the non-profit organisation has other websites such as the Eco-Portal that is an information gateway designed to empower the environmental sustainability movement. <http://www.climateark.org/>

To see some of the pros and cons of the climate change debate have a look at <http://environment.newscientist.com/channel/earth/dn11462>

For those interested in bird issues, <http://www.shorebirds.org.au/> The Shorebird Conservation Toolkit has been developed to help protect and enhance shorebird habitat across Australia.

The toolkit aims to:

- Increase awareness and understanding of shorebirds and their conservation needs,
- Improve the sharing of information between shorebird research and conservation groups and the broader community, Inform development, implementation and monitoring of shorebird conservation projects.

The toolkit is funded by the Australian Government's Natural Heritage Trust.

Environment Institute of Australia and New Zealand: <http://www.eianz.org/>

Online guide to pests

Queensland's Department of Natural Resources and Management's weed and pest animal website has undergone a major redevelopment with many new features including:

- * A-Z listing of declared plants and animals and other significant pests
- * Regularly updated 'hot topics'
- * Current newsletters and bulletins
- * Educational resources, training and careers
- * Searchable pest distribution and predictive maps and mapping systems
- * Legislation, policies and permits
- * Pest management research

<http://www.nrm.qld.gov.au/pests>

Windows to Australia

PictureAustralia is an Internet based service that allows you to search many significant online pictorial collections at the same time. It provides a service to the visual collections of a range of public libraries, museums, academic libraries, archives and the national libraries of both Australia and New Zealand. <http://www.pictureaustralia.org>

Q-links is the monthly bulletin of the Queensland Landcare Foundation. To subscribe see: <http://www.landcare.org.au/> Currently available is the Landcare Awards edition of Q-links. The first few pages includes information about some of the winners as well as photos from the awards ceremony held recently in Barcaldine. The bulletin also contains information about grants, training and other network news. Q-Links has just received a grant from Gambling Community Benefit Fund to upgrade web capability and this will help streamline the bulletin and the way it is prepared.

Audit provides NRM toolkit

The National Land and Water Resources Audit and ANZLIC - the Spatial Information Council have developed a toolkit to assist regional natural resources management groups discover, access, visualise and manage their data and information. The toolkit can be used as a text book document, teaching aid or as a series of stand-alone modules.

<http://www.nlwra.gov.au/toolkit/contents.html>

WEB-SITES continued

For tracking of live fires and historical data the Natural Heritage Trust and TS-CRC supported North Australian Fire Information website at:

<http://www.firenorth.org.au/nafi/init.jsp>

Special issue of the Journal of Research Practice

Further papers prepared for the Land & Water Australia Integration Symposium 2004 are now on-line published in the *Journal of Research Practice: Innovations and Challenges in Multiple Domains* (JRP), an international refereed journal with a transdisciplinary focus. The journal including these papers are available in the open access mode (free of charge) in early November. The journal is supported by a consortium of institutions drawn from different parts of the world. It is published electronically by the International Consortium for the Advancement in Academic Publication (ICAAP). "The *Journal of Research Practice* aspires to become a shared space for people to explore and extend the powers of organised inquiry. Besides, it should become an indispensable resource for research education around the world." This special issue is available at: <http://jrp.icaap.org/contents.php>

The Science and Development Network (SciDev.Net) has launched a useful online resource that provides crucial data about the current state of the world's biodiversity. www.scidev.net/biofacts

Land and Water News is a fortnightly newsletter compiled by Hallmark Editions. It provides much information about conferences, plans, guidelines, reports, study tours. Editor: Ros Stirling, rstirling@halledit.com.au or telephone 03 9521 0269, Customer enquiries: 03 8534-5000, Email contact: denise@halledit.com.au - Web address: www.halledit.com.au

Some interesting Qld sites: (thanks go to Savanna Links for sharing these)

Interactive online atlas

Queensland's first publicly available online atlas provides information about the State's regions, councils, towns and suburbs using interactive mapping tools. It offers a rich resource of information - from demographics and economic and social statistics to general property and suburb. Visit: <http://www.information.qld.gov.au>

Regional ecosystem maps online

Landholders submitting vegetation management applications to the Queensland Government will have their job made easier thanks to a new web-based facility. The new service allows certified Regional Ecosystem (RE) maps to be downloaded without charge from the Internet. The information shown on the downloadable maps helps landholders understand their obligations, which is a crucial element of all applications under the Vegetation Management Act. The new service provides easy access to the information landholders need to apply under the vegetation management framework and is an important step forward. Visit: <http://www.epa.qld.gov.au/REMAPS>

River Recovery Inventory

This site provides an overview of river management activities across the Northern Territory, categorised into the following groups: -Assessment, -On-ground works, -Planning, -Research, -Tools, and-Training. It is hoped that the Inventory will be a resource for river and land managers throughout the Northern Territory and more broadly across northern Australia. <http://www.greeningaustralia.org.au/GA/NT/WhatsNew/RiverRecoveryInventory.htm>

See the WA Government Department of Environment and Conservation site: <http://www.naturebase.net/>

Wingspan is a Birds Australia's full-colour, quarterly membership magazine. Discussing topics ranging from the environmental impacts of wind farms, to farm retirement, biodiversity in plantations, bird behaviour, bird identification and good birding locations. *Wingspan* is published in March, June, September and December. <http://www.birdsaustralia.com.au/wingspan/index.html>

Ecos, Australia's most authoritative magazine on sustainability in the environment, industry and community is published bi-monthly by CSIRO <http://www.publish.csiro.au/?nid=214>

Spin a yarn on the web

The Young Australian Youth Network is an interactive website designed for young people in rural industries. It aims to provide people with a place to interact and share information with others around Australia.

<http://www.yarn.gov.au/>

Australian Academy of Science <http://www.science.org.au/>

TEMS Links

Tropical Environmental Management Students' Newsletter

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The Northern Territory Field Naturalists Club

meets on the second Wednesday of the month, at 7.45 pm in the SAIKS seminar room (Bldg 30) here at CDU Casuarina. Guest speakers present informative talks on the flora and fauna of the region. There are also regular excursions.

Contact: Don Franklin:
don.franklin@cdu.edu.au
phone 08 8946 6976(w) or
08 8948 1293 (h)

<http://www.geocities.com/ntfieldnaturalists/>

The Top End Native Plant Society meets on the third Thursday of each month at Marrara Christian School (corner of Amy Johnstone and Macmillans Rd). The meetings start at 7.30 and invited guest speakers provide insight into various aspects of Top End flora. Visit their website for more info:

<http://tenpsnt.tripod.com/>

Professional Associations

Ecological Society of Australia

<http://www.ecolsoc.org.au/>

Weeds Society of WA

<http://members.iinet.net.au/~weeds/>

Association of Limnologists

<http://www.asl.org.au/index.htm>

Marine and Coastal Community Network

<http://www.mccn.org.au/>

Ecological Society of America

<http://www.esa.org/>

Australian Rangelands Society

<http://www.austrangesoc.com.au/>

If you want to be removed from our mailing list (electronic or hardcopy), please let me know by emailing penny.wurm@cdu.edu.au
Thanks