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The Hydrological Society of South Australia Inc., PO Box 6136, Halifax Street Post Office, Adelaide SA 5000, Australia. www.hydsoc.org
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Newsletter of the Hydrological Society of South Australia

WSUD2004 Conference a success

The conference on *Water Sensitive Urban Design* in which HYDSOC was a partner on the organising committee together with Engineers Australia, Australian Water Association and the Stormwater Industry Association was a sell out with over 300 delegates. Registrations for the tour and the Stormwater Industry Awards dinner, in particular, had to be closed early. Publicity was gained in *The Advertiser* for the need for WSUD in Adelaide. The Organising Committee is looking to keep the momentum of implementing WSUD in Adelaide going. Some of the profits may be used to this end. Several of the papers highlighted the need for WSUD to be considered on a catchment basis. Land use planning, having regard to the uses of water, is a key.

Congratulations to the organising committee, particularly many thanks to HYDSOC representative **Linton Johnston**.

Proceedings of the conference can be purchased on CD from the conference organisers at www.plevin.com.au/wsud2004

WSUD: BASIC PROCEDURES FOR SOURCE CONTROL OF STORMWATER – A HANDBOOK FOR AUSTRALIAN PRACTICE

John R Argue (Editor)

This handbook, launched at the WSUD Conference, contains basic, detailed procedures needed by the student, the novice practitioner and the wide-ranging municipal engineer to turn planning goals into dimensioned installations. It draws on experience gained by the Urban Water Resources Centre, University of South Australia, from over 30 projects.

It presents information on design of WSUD urban runoff 'source control' installations for three main objectives:

- control of urban flooding;
- control of urban runoff pollution; and,
- harvesting of runoff.

The Handbook explains how to determine the dimensions of:

- porous and permeable paving systems;
- in-ground stormwater retention installations of various types;
- infiltration or 'dry' ponds;
- pollution control/retention installations;
- 'filter strip' swales;
- rainwater tanks for roof runoff harvesting.

The Handbook can be bought for \$160 from the Urban Water Resources Centre, University of South Australia, Mawson Lakes Campus [Ms Carolyn Bellamy, tel 08 8302 5771].

PEOPLE

HYDSOC new committee member Chris Smitt

At the Annual General Meeting, a new committee member Chris Smitt was elected.



Chris writes: "I joined CSIRO Land and Water in December, 2000 as a Groundwater Hydrologist after a very brief stint with the Weather Channel in Sydney! My current work involves regional and catchment scale water balance modelling, developing management options for different hydrogeological environments, including scientific framework for policy development and improving our understanding of salinisation processes (both spatial and temporal scale). I also have a keen interest in Meteorology (especially all aspects of severe weather) and define "decent" weather as 32C with a RH near 100%, LI's of < -10 and CAPE >3000! Basically, very unstable and conducive of severe weather. I also quite often go storm chasing (not so much in SA, but more so in SE QLD, NE NSW and the NT) and have even been struck by lightning whilst visiting family in Darwin.

"In my spare time I play quite a bit of sport including, Field Umpiring in the SANFL, however soccer (the REAL football) would be my biggest passion in sport!

I love to travel and a recent highlight was visiting the world's northernmost town (Hammerfest, Northern Norway), viewing the Northern Lights and experiencing an Arctic Blizzard!

"I am also learning German as another language through Adelaide University, so all in all that keeps me pretty busy!"

Mr Chris M Smitt, CSIRO Land and Water, Private Bag No. 2, Glen Osmond, SA 5064, Australia; tel 08 8303 8751; fax 08 8303 8750; profile: www.clw.csiro.au/staff/SmittC/

HYDSOC NEWS

HYDSOC presentation program 2005

The Committee has drafted a preliminary program for 2005. It will include:

February: expanded Ian Laing Prize presentations in the form of a students' night;

July: half-day seminar on water and population, or water and economics;

November: boat trip on West Lakes

Any body who wishes to present or make suggestions for the program, please contact the committee. Any suggestions for a preferred time or location welcomed.

HYDSOC Policy

The strategic sub-committee is drafting a number of policies to enable the Society to express views and lobby rapidly. Anybody wishing to prepare a policy is asked to contact the committee.

HYDSOC Newsletter Editor sought

HYDSOC is seeking a newsletter editor. It is proposed to trial a new style news style electronic format, as this one. This newsletter was prepared by **Bart van der Wel** tel 08 8463 6940, email vanderwel.bart@saugov.sa.gov.au

HYDSOC constitutional amendments passed

The Annual General Meeting in October 2004 passed amendments that enabled the sending out of election notices and other material electronically and by fax.

Seasons greetings

The HYDSOC Committee wishes you a scintillating and safe summer solstice celebration.

SOFTWARE

CSIRO Urban Water has released a free software program for householders to determine water generation (including sewage, roof runoff and paved area runoff) and water use from their dwelling, so that they can see the effect of water saving measures and use of alternative sources. Rainfall is included for selected areas in Australia, including Adelaide and Coober Pedy. For a copy contact **Andrew Grant** Andrew.Grant@csiro.au tel 03 9252 6222.

TALKS, CONFERENCES AND SEMINARS

Stormwater Industry Association tour of Aldinga Eco Village and Annual General Meeting, Thursday 9 December 2004. The AGM is at 1.00pm at the Victory Hotel, Corner Main South Road and Sellicks Beach Road, Sellicks Beach, The tour starts 3.15 pm. Cost \$20. RSVP John Gregson gregsonj@conwag.com

New SIA (SA) Website www.stormwater.asn.au/sa

Murray Darling Basin communication sessions

- Berri: Berri Resort Hotel, Riverview Drive, Berri. Friday 10 December 2004 2-4pm;
- Adelaide Monday 13 December 2004, 2-4pm floor 4, SA Water House, 77 Grenfell Street, Adelaide.

Information on:

- MDB Ministerial Council and Commission meetings;
- SA Environmental flows study;
- predictions for resource availability and water quality;
- wetland water trials;
- results of barrage water release and fish passages.

RSVP hutchins.heather@saugov.sa.gov.au or tel 08 8463 6916

Mt Lofty Ranges and Adelaide INRM Investment Strategy submissions sought by Friday 17 December 2004

The Mount Lofty Ranges and Greater Adelaide Interim Integrated Natural Resource Management Group is calling for submissions on its Investment Strategy. The strategy identifies actions and funding required from 1 July 2005 to 30 June 2008. The Draft Investment Strategy builds on the priorities identified in the first Strategy of November 2003.

Copies of the Strategy are available at www.mlrcp.sa.gov.au/inrm.html or from the Mount Lofty Ranges Catchment Centre, Corner Mann and Walker Streets, Mount Barker SA 5251, tel 08 8391 7500.

Send public submissions to Dr Micheal Deering, Mount Lofty Ranges and Greater Adelaide Interim Natural Resource Management Group, Corner Mann and Walker Streets, Mount Barker SA 5251; or by emailing deering.michealj@saugov.sa.gov.au.

Public meetings

Hahndorf Wednesday 8 December 2004
3:00pm - 5:00pm & 7:00pm - 9:00pm (repeated 2 hr session)
Hahndorf Resort - Heidelberg Room, 145a Main Road, HAHNDORF

Port Noarlunga Thursday 9 December 2004
3:00pm - 5:00pm & 7:00pm - 9:00pm (repeated 2 hr session)
Port Noarlunga Southern Tennis Association Club Room, Hunt Reserve.

Victor Harbor Friday 10 December 2004
3:00pm - 5:00pm & 7:00pm - 9:00pm (repeated 2 hr session)
Victor Harbor Yacht Club, Bridge Terrace, VICTOR HARBOR

Upper South East Program Information Forum

Thursday 3 February 2005, 10.00am to 4.00pm.

Plant Research Centre, Hartley Grove, Waite Campus, Urrbrae (Entry 2B)

Program officers will provide presentations on various aspects of this Program, including:

- drainage design and construction

- adaptive management
- wetlands
- biodiversity trading
- saltland agronomy
- management of large intricate projects

RSVP by 7 January 2005 to Leonie Shearing, tel 08 8303 9653; fax 08 8303 9555; email Shearing.Leonie@saugov.sa.gov.au. More detailed information will be provided in late January.

The USE Dryland Salinity & Flood Management Plan (USE Program) was developed in the early 1990s to address community concerns about dryland salinity, water logging and eco-system fragmentation and degradation.

Water Proofing Adelaide draft strategy *A thirst for change*. Submissions sought until 31 January 2005. Copies of the draft strategy are available at www.waterproofingadelaide.sa.gov.au. A community information session will be held Wednesday 8 December 2004, 7:00 to 8:30pm at the Italian Centre, 262 Carrington Street, Adelaide (carparking available but bicycle facilities poor). HYDSOC will be preparing a submission, and members interested in contributing are asked to contact the committee.

Integrated concepts in water recycling international conference ICWR 2005. 14 - 17 February 2005 at Wollongong NSW. Registration now online at www.uow.edu.au/eng/cme/research/ozaquarec

IEAust Hydrology conference 21-23 February 2005 in Canberra. Registration is now available on line at www.conlog.com.au/hydro2005. See last page for student scholarship application.

Australian Water Summit, Melbourne. 28 February – 2 March 2005. www.australianwatersummit.com.au. This summit is run by a conference organising business.

Australian Water Summit, Sydney Convention & Exhibition Centre, 30 - 31 March 2005. www.acevents.com.au/water2005. HYDSOC has supported this alternative summit by lending it its logo to gain national exposure, on approach of the conference organisers. This is not an endorsement of individual speakers' positions. The conference is run by a conference organising business, different to the one above.

BUSINESS AND EDUCATION

WaterEd International Centre of Excellence in Water Resources Management has been established to promote education, training and research in water resources management. WaterEd comprises the Universities of Adelaide, South Australia, Flinders, Deakin, Newcastle and Central Queensland; TAFE; SA departments of Further Education, Employment, Science and Technology, Water, Land and Biodiversity Conservation and SA Water; Centre for Groundwater Studies, SARDI and AITEC Corporate Education and Consulting. The Centre has been funded by the Australian and South Australian Governments and the Universities for five years.

Adelaide University has formed a Water Research Cluster open to any post graduate student or staff whose research has a relationship to water. A newsletter is available. Contact **Dr Paul Dalby** on 0401 122 204 or pdalby@internode.on.net

CLIMAG newsletter of the *Managing climate variability R&D Program*. The new Climate CRC has published a newsletter CLIMAG explaining risks to farmers and the economy from climate variability, the value of forecasting to minimise crop losses and the interaction between rainfall, water resources and people. Information at www.managingclimate.gov.au. One of the programs is an investigation of pan evaporation which is defying expectations that it should be increasing under Global Climate Change, an observation made by HYDSOC member **Graeme Tomlinson** many years ago.

STUDENT SCHOLARSHIPS

ENGINEERS AUSTRALIA NATIONAL COMMITTEE ON WATER ENGINEERING

The National Committee on Water Engineering of Engineers Australia has created a Student Scholarship award to encourage young engineers to become members of Engineers Australia and to pursue a career in water engineering.

The award will include registration at a NCWE sponsored conference and up to \$1000 for travel and accommodation associated with attending the conference. The award will also include a certificate that will be presented during the conference. Up to three Scholarships will be offered annually to final year engineering students.

The inaugural NCWE Student Scholarships will be for attendance at the 29th Hydrology and Water Resources Symposium to be held in Canberra from 21 to 23 February 2005.

Eligibility

The Scholarships are open to final year undergraduate engineering students enrolled at an Australian University and who:

- are Australian citizens, or permanent residents of Australia,
- are specialising in water related subjects, and
- are student members of Engineers Australia, or have a current application in for student membership.

Students who are not already members of Engineers Australia are encouraged to apply on-line for free student membership at www.ieaust.org.au/students

Applications

Applications for the Scholarships should include the following:

- a single A4 page describing the applicants interests in water engineering and outlining their reasons for applying for the Scholarship,
- a copy of their Academic Record, and
- a reference from an appropriate water engineering member of the academic staff of their University.

Applications from South Australia should be submitted to: Marion Santich
by mail: Hydrological Society, PO Box 6136 Halifax Street, Adelaide, SA 5000.
by email: msantich@cwmb.sa.gov.au

Applications should be submitted by 15 December 2004.

Selection Procedure

Each State Water Engineering Panel (or HydSoc in S.A.) will be responsible for selecting up to three finalists for their state or territory. Responsibility for selecting the final Scholarship winners will then rest with the National Committee on Water Engineering.

