

application of methods for analysing and modelling hydrological information for various water resource planning and management purposes. The focus has been on combining a sound understanding of hydrological processes with the development of practical simulation tools. This has included the development of computer software designed to facilitate access to hydrological information and the integration of modelling and data visualisation tools with databases. Recent work has focused on issues of uncertainty (including climate change effects) associated with hydrological estimation and how imperfect information impacts on decision making.

The Unilever Centre for Environmental Water Quality (UCEWQ) focuses on ecotoxicology, biomonitoring and water chemistry. Ecotoxicology at the IWR concentrates on determining the tolerances of indigenous riverine macroinvertebrates and algae, under controlled laboratory conditions, to selected water quality variables and complex effluents. Ecotoxicology is included in an integrated approach to assessing the water quality of a water resource and is being practically applied to evaluate the effects of industrial effluents on rivers. UCEWQ is actively involved in the development of policies and strategies for improving the quality of the nation's freshwater resources. In recent years, UCEWQ has initiated research into complex social-ecological systems and the need to account for multiple perspectives and adopt transdisciplinary approaches to solving water resources management problems.

The IWR is largely self-funded and managed through a Board of Control, made up of representatives of Rhodes University, private, government and other university groups who have an interest in water resources. It derives part of its income from research contracts with agencies such as the Water Research Commission, as well as from international research support organisations (e.g. Unilever and the Carnegie Foundation). The majority of the remaining income base is from shorter term consultancy projects through partnerships with consulting companies.

NATIONAL ENGLISH LITERARY MUSEUM

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In the 1960s Professor Guy Butler assembled a small collection of manuscripts and in 1972 the Institute for the Study of English in Africa sponsored the foundation of the Thomas Pringle Collection for English in Africa. Its aim was to collect books and manuscripts illustrating the role of English as a language in South Africa. Two years later the National English Documentation Centre was established as an independent body. In 1980 the Centre, renamed the National English Literary Museum and Documentation Centre, became an independent declared cultural institution. The name was later changed to the National English Literary Museum. NELM is funded by the Department of Arts and Culture and although autonomous, maintains close links with the ISEA and is an associated research institute of Rhodes University. In 1981 the museum moved to the Priest's House in Beaufort Street and will move into a state-of-the-art purpose built facility in 2016.

NELM houses the world's most comprehensive collection of resources relating to South African literature in English. In addition, the museum collects works from Namibia, Botswana, Zimbabwe, Mozambique, Lesotho and Swaziland. The collections include authors' manuscripts, printers' proofs, diaries, correspondence, publishers' archives, photographs, posters, play-scripts, theatre programmes and over 20 000 published works. All forms of literature are represented: poems, short stories, novels, plays, autobiographies, travel writing and children's literature.

NELM's satellite museums, Schreiner House in Cradock and the Eastern Star Gallery in Grahamstown, conserve and present two important aspects of the writing and publishing heritage of South Africa.

Olive Schreiner (1855-1920), author of *The Story of an African Farm*, lived at No. 6 Cross Street, a small, typically Karoo house, and one of the oldest still standing in Cradock. The exhibitions at Schreiner House explore her life and work and recognise her significance as a writer, a feminist and a champion of human rights and include some of her personal possessions as well as part of her fascinating library. The exhibitions in the Ikhamanga Hall present the local history of Cradock from the time of its earliest inhabitants to the present day – illustrated and with associated extracts from literature.

The first copy of *The Eastern Star* was printed in Grahamstown in 1871. The Eastern Star Gallery is housed in a building that dates back to the mid-19th century and was donated to NELM by the Argus Group. Exhibition highlights include a 120 year-old Wharfedale printing press and the editorial desk that belonged to John Fairbairn, co-founder in 1823 with Thomas Pringle, of the *South African Journal* and the *South African Commercial Advertiser*, and prime mover for a free press in South Africa.

NELM's education section offers programmes and environmental camps for learners and regularly presents talks to adult groups. The museum's collections are available to researchers on request.

See <http://www.nelm.org.za> for further information, or e-mail: nelm@ru.ac.za.

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The Rhodes University Mathematics Education Project is an outreach programme of the University. RUMEP engages in the professional development of teachers, and develops curriculum resources for use in schools. It publishes reports, articles and newsletters in the field of mathematics education, and provides a centre for research in mathematics education.

RUMEP offers an accredited three year BEd course (in-service) for practicing Mathematics teachers in all phases. It also conducts short courses for the Department of Education and other NGO's.

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