
Ancient TL

www.ancienttl.org · ISSN: 2693-0935

Ancient TL, 1996. *Notices*. Ancient TL 14(2): 21-22. <https://doi.org/10.26034/la.atl.1996.259>

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Notices

VICTORIA UNIVERSITY OF WELLINGTON, NEW ZEALAND

RESEARCH SCHOOL OF EARTH SCIENCES DEPARTMENT OF GEOLOGY

POST-DOCTORAL POSITION (LUMINESCENCE DATING)

In conjunction with a Late Quaternary lake drilling programme (Long Core Paleoclimate Records from New Zealand Lakes), a luminescence (TL/OSL) dating laboratory is being established at Victoria University Wellington, New Zealand. We seek to appoint a Post-Doctoral Fellow to establish the laboratory and to participate in the lake drilling project. This position will suit a recent PhD graduate from a recognised luminescence Programme/Laboratory seeking to establish a research profile. The appointee will be expected to participate fully in the general academic life of the Department of Geology and the Research School of Earth Sciences. The appointee will be encouraged to maintain research interests independent of the lake drilling project.

The 'Long Core Paleoclimate Records from New Zealand Lakes' project is a constituent project within the IGBP-PAGES PEP-II transect. The project aims to recover a series of long cores (100m +) from a variety of lacustrine, bog and estuarine environments, to reconstruct the climate history of New Zealand, over the last several hundred thousand years. Luminescence dating, supported by radiocarbon and tephrochronology where appropriate, will provide the primary chronology. There will be a challenging variety of dateable materials and potential for both basic research in the luminescent properties of the various sediments and in geological histories from luminescence chronologies.

The position is available from January 1997 and we hope to fill it by 1st March 1997 at the latest. It is initially tenable until June 30th 1998. Subject to satisfactory progress and continued funding, the Post-Doc will be extended for a further two years until June 30th 2000.

The base salary is NZ\$41,000 but appointments may be made up to NZ\$44,000 depending on qualifications and experience. NZ\$1.00 = US\$0.68 approx.

Applicants should send a CV and the names, addresses and fax or email addresses for THREE referees.

The deadline for applications is October 10th 1996, but applications will continue to be accepted after the deadline until the post is filled. If submitting an application after October 10th, please apply by email or fax and arrange for your referees to send their letters of recommendation directly to us by email or fax.

Further information about the position, the laboratory and the project may be obtained from :

Dr Jamie Shulmeister,
Department of Geology,
Victoria University
(James.Shulmeister@vuw.ac.nz)

or

Dr Paul Froggatt,
Office for Research,
Victoria University
(Paul.Froggatt@vuw.ac.nz).

Flint Study Group formed at Canberra LED

The importance of flint as a dating tool in archaeometry has led to strong interest in the material science of flint among some members of the luminescence and electron spin resonance dating community. Informal conversations among LED attendees led to the formation of an electronic-mail based study group conceived initially with a view toward luminescence phenomena in flint. Subsequently, electron spin resonance in flint has already become an added aspect. Discussions led us to the idea that a study group might promote the development of collaborative research projects among study group members in both fundamental and applied dating studies of flint. The primary aims of the group are to promote an exchange of ideas, and to establish an open forum in which questions can be addressed.

Some of the topics of interest discussed at Canberra by current group members were:

Optically stimulated luminescence in quartz phases vs. other silicon dioxide phases in flint Stimulation wavelength dependence of luminescence in flint Emission wavelength studies of thermoluminescence and optically stimulated luminescence in flint Geochemical aspects of electron spin resonance in flint Sensitivity of electron spin resonance and luminescence in flint to different forms of radiation dose

The founding members who signed on at Canberra, and some new members are listed below. Those who wish to join in are welcome to contact by e-mail either Jack Rink (rinkwj@mcmaster.ca) or Julie Rees-Jones (reesj@mcmaster.ca) at McMaster Geology. You will be added to the list and sent an e-mail acknowledgement which contains all of the members' e-mail addresses. Please encourage any of your interested colleagues to join in, particularly if they are not already within the dating-specialist circle.

Founding Members:

Richard Bailey
Ian Bailiff
Michelle Clark
Julie Rees-Jones
Tetsuo Hashimoto
Matthias Krbetschek
Andreas Lang

Norbert Mercier
Naomi Porat
Helen Rendell
Jack Rink
Ed Rhodes
Lindsey Shepherd
Emanuela Sibilia

New Members:

Dorothy Godfrey-Smith
Sara Hall
Marco Martini

Daniel Richter
Henry Schwarcz
Shin Toyoda

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