

## GENERAL INFORMATION

### NZSEE HOME PAGE ON THE INTERNET

The Society's home page address is:

<http://www.nzsee.org.nz>

### COMING CONFERENCES AND SYMPOSIA

#### December 2009

##### December 9-11

ATC & SEI Conference on Improving the Seismic Performance of Existing Buildings and Other Structures, San Francisco, USA.

For details see: [information@atc-sei.org](mailto:information@atc-sei.org)

##### December 11-13

Australian Earthquake Engineering Society Conference, Newcastle.

For details see:

<http://www.aees.org.au/Conferences/2009/AEESPaperCall.pdf>

#### March 2010

##### March 26-28, 2010

NZSEE Annual Conference and AGM, Wellington.

#### July 2010

##### July 25-29, 2010

9<sup>th</sup> U.S. and 10<sup>th</sup> Canadian Conference on Earthquake Engineering, Toronto, Canada.

For details see: <http://2010eqconf.org/>

### STRONG MOTION RECORDINGS

Strong-motion data recorded in New Zealand can be downloaded from the GeoNet website. For earthquake records and plots go to <ftp.geonet.org.nz/strong/processed/Proc>, and for information about the recording sites, including ground conditions, go to <http://magma.geonet.org.nz/delta/app>. Alternatively navigate through [www.geonet.org.nz](http://www.geonet.org.nz) > resources > basic data > strong-motion data (which provides more information for first-time users). Useful lists of records linked to earthquakes and site codes are available in <ftp.geonet.org.nz/strong/processed/Docs>.

For further information about the data, bulk supply of records, or to provide feedback, contact Jim Cousins at [j.cousins@gns.cri.nz](mailto:j.cousins@gns.cri.nz).

### PEOPLE

#### New Members.

The following persons have recently been admitted as members of the Society:

Allen, Luke	Wellington
Brendtsen-Mamer, Liselotte	Kerikeri
Brkie, Gordon	Auckland
Campbell, Andrew	Auckland
Donnell, Brendan	Auckland
Dusicka, Peter	Portland, USA
Harwood, Nick	Christchurch
Haskell, Jennifer	Christchurch (Student)
Ibrahim, Anas	Auckland (Student)
Kikkawa, Naotaka	Auckland
Lambhead, Steve	Auckland
Lu, Arthur	Christchurch (Student)
Pranjoto, Satawan	Auckland
Seegaard, Christian	Auckland
Shabbir, Faisal	Auckland (Student)
Williams, Matthew	Dunedin
Workman, Philip	Kerikeri
Zou, Tuo	Auckland (Student)
Mitchell Vranjes Consulting	Auckland (Corporate)
(Rep: Allison Sue)	
Wellington City Council	Wellington (Corporate)
(Rep: Claire Stevens)	

#### LIFE MEMBERS

##### Obituary: A. Latham Andrews

Latham Andrews passed away on Thursday 2<sup>nd</sup> April in Lower Hutt at the age of 86. Latham was a founding member of the NZSEE and chaired the organizing committee, which instigated the Society early in 1968.

He helped organize the Third World Conference on Earthquake Engineering held in Auckland and Wellington in 1965, as a member of the *ad hoc* National Committee on Earthquake Engineering. Latham was NZNSEE President from 1972 to 1974 and Bulletin Editor between 1970-72 and 1985-86.

Latham lived most of his life in Lower Hutt, attending Hutt Valley High School. He completed his Engineering Intermediate studies in Wellington before going to Canterbury College (now the University of Canterbury), School of Engineering in 1946, after 4 years war service in Italy and other places. He completed an Honours degree in Civil Engineering with a thesis on fluid mechanics and wave propagation, then joining Guy Powell's consulting office in Christchurch. He became a partner in Powell Fenwick and Partners several years later. His family moved back to Lower Hutt and soon after he joined Edwards & Clendon. He was an expert in the use of prestressed concrete in multistory buildings, designing hospital blocks in many of

New Zealand's major cities as well as office blocks and the Overseas Passenger Terminal in Wellington.

A career highlight was the consultancy work he did for Shell BP Todd Oil Services as the company prepared to develop the Maui offshore field. He completed the seismic analysis and provided detailed data for those designing the Maui A drilling platform, built 110 metres above the sea floor.

Latham also worked for the Earthquake Commission and did risk-assessment work for State Insurance, co-wrote a detailed analysis of the 1987 Edgecumbe earthquake and worked on the earthquake lifelines committee that was set up to safeguard Wellington's vital services in a major earthquake.

He formally retired in 1984 but continued to work on design programmes, seismicity studies and his final work "*Before Beginning- The birth of the NZ Society for earthquake Engineering*" was published by the NZSEE in June 2008.

Latham married Mary Thomson in 1946 and they had 2 sons and 2 daughters.

Acknowledgement: *The Dominion Post*, "Latham Andrews: Quake engineer's jobs ranged from bridges to oil rigs" by Hank Schouten, 23 April 2009.

#### Obituary: Thomas Paulay

Life Member and Past President Professor Emeritus Tom Paulay passed away in Christchurch on Sunday 28<sup>th</sup> June 2009, aged 86 years.

Tom was born in Sopron, Hungary and became a cavalry officer in the Hungarian Army during the Second World War. He escaped from Hungary to West Germany during the communist regime while an engineering student at the Technical University of Budapest. He was sponsored to New Zealand with his wife Herta and young daughter in 1951, beginning work as a maintenance labourer for the NZ Railways in Oamaru. Tom returned to his engineering education at Canterbury University in 1952 as a second professional year (third year) student.

After graduating he worked as a structural engineer for 8 years with the Christchurch consulting firm of Don Bruce-Smith. In 1961 Prof. Harry Hopkins persuaded Tom to apply for a lectureship in the Dept. of Civil Engineering, where he remained for the rest of his professional life. Tom never really retired and was to be found in his office 3 or more days a week up till about 2005. He was awarded with a personal chair in Civil Engineering in 1975 and became Emeritus Professor on his "official" retirement in 1989.

Tom, along with Bob Park, were the "fathers" of capacity design of reinforced concrete structures and much of his research and teaching was involved with the seismic design and detailing of reinforced concrete structures. Tom's research into seismic structural design began with his PhD at Canterbury between 1964 and 69 and continued for the rest of his life.

Tom was a very active member of the NZSEE, being on the Management Committee for several years, its President in 1979-81, a member of several of the Society's study groups and the author of many papers published in the Bulletin.

Tom was awarded many honours and held many leadership positions during his life. Some of the more notable were: Gzowsky Gold Medal of the Engineering Institute of Canada in 1975, Fellow of the Royal Society of NZ in 1982, Officer of the Order of the British Empire (OBE) 1986, Honorary Member of the American Concrete Association in 1987, President of International Association for Earthquake Engineering in 1996 and was one of 13 international *legends of earthquake engineering* awarded in 2008 by the Asian-Pacific Network of Centers for Earthquake engineering Research (ANCER).

Tom Paulay will be sorely missed by structural engineers worldwide for his knowledge, expertise, interest and immense charm.

Reference: "Connections, the EERI Oral History Series, Robert Park & Thomas Paulay" (Interviewer Robert Reitherman), *EERI & NZSEE*, 2006, ISBN 1-932884-11-4.

#### Les Megget

Les was honoured with a Life Membership at the 2009 Annual Conference and AGM held in Christchurch in early April.

Les joined the newly constituted NZNSEE in early 1969 after graduating from Canterbury University with a BE degree in Civil Engineering. He joined the Ministry of Works & Development (Head Office, Structural Design) in late 1968 before returning to complete an ME under Professor Bob Park in 1971, and then a year as an UNESCO Fellow at the International Institution of Seismology and Earthquake Engineering in Tokyo, Japan.

Les was the technical secretary for the first and second Pacific Regional Conferences on Earthquake Engineering held in Wellington in the mid 1970s. He joined the academic staff at the newly established School of Architecture at Victoria University of Wellington in 1986, teaching structural design.

He became Bulletin Editor in 1980 retiring from the position in 1985, before his move to the Civil Engineering Department at The University of Auckland in 1987 where he taught structural design till his retirement in 2007.

Les took over the Editor's position again in 1997 on the retirement of Peter Moss and continues in that position today.

---

### ERRATA

Table 6 for Adam Walker and Rajesh Dhakal's paper "Assessment of Material Strain Limits for Defining Plastic Regions in Concrete Structures" published in Vol. 42, No. 2, June 2009, pp 86-95.

The corrected version of the entire paper is also available in the online edition at [www.nzsee.org.nz](http://www.nzsee.org.nz).

**Table 6. Summary of the normalized ultimate curvatures,  $\phi_u/(1.8 \phi_v K_v)$ , derived from test results.**

	Beams		Columns		Walls		
	Nominally ductile	Ductile	Limited ductile	Ductile	Nominally Ductile	Limited Ductile	Ductile (Doubly Reinforced)
<b>Average</b>	13.3	24.8	19.5	29.2	7.5	9.2	20.8
<b>Std. deviation</b>	5.2	6.9	4.6	5.6	3.6	2.2	3.8
<b>Lower Characteristic</b>	4.7	13.5	11.9	20.0	1.6	5.6	14.6
<b>Number of units</b>	6	25	7	9	5	17	8

## 2009/2010 MANAGEMENT COMMITTEE

**NZSEE Executive Officer**

Mr. Win Clark  
 PO Box 38 650  
 Wellington 5045  
 Wellington Mail Centre  
 NEW ZEALAND  
 Fax: (04) 565 3650  
 Email: [exec@nzsee.org.nz](mailto:exec@nzsee.org.nz)

**President**

Mr. Graeme Beattie  
 BRANZ  
 Private Bag 50 908  
 Porirua  
 Fax: (04) 237 1171  
 Email: [graeme.beattie@branz.co.nz](mailto:graeme.beattie@branz.co.nz)

Mr. Luke Allen  
 Stephenson and Turner Architects  
 PO Box 10 145  
 Wellington 6011  
 Fax: (04) 473 1111  
 Email: [luke.allen.email@gmail.com](mailto:luke.allen.email@gmail.com)

Mr. Jitendra Bothara  
 Beca Carter Hollings and Ferner Ltd  
 PO Box 3942  
 Wellington 6140  
 Fax: (04) 496 2536  
 Email: [Jitendra.Bothara@beca.com](mailto:Jitendra.Bothara@beca.com)

Mr. P. Brabhakaran  
 Opus International Consulting  
 PO Box 12 003  
 Wellington  
 Fax: (04) 471 1397  
 Email: [p.brabhakaran@opus.co.nz](mailto:p.brabhakaran@opus.co.nz)

Dr. Bruce Deam  
 Dept. of Civil & Natural Resources Engineering  
 University of Canterbury  
 Private Bag 4800  
 Christchurch  
 Fax: (03) 364 2758  
 Email: [bruce.deam@canterbury.ac.nz](mailto:bruce.deam@canterbury.ac.nz)

Dr. Jason Ingham  
 Dept. of Civil & Environmental Engineering  
 University of Auckland  
 Private Bag 92 019  
 Auckland  
 Fax: (09) 373 7462  
 Email: [j.ingham@auckland.ac.nz](mailto:j.ingham@auckland.ac.nz)

Mr. Quincy Ma  
 Dept. of Civil & Environmental Engineering  
 University of Auckland  
 Private Bag 92 019  
 Auckland  
 Fax: (09) 373 7462  
 Email: [q.ma@auckland.ac.nz](mailto:q.ma@auckland.ac.nz)

**Bulletin Editor**

Mr. Les Megget  
 231 Opaheke Road  
 RD4 Papakura 2584  
 South Auckland  
 Tel: (09) 299 6668  
 Email: [editor@nzsee.org.nz](mailto:editor@nzsee.org.nz)  
 Or [l.s.megget@slingshot.co.nz](mailto:l.s.megget@slingshot.co.nz)

Dr. Stefano Pampanin  
 Dept of Civil & Natural Resources Engineering  
 University of Canterbury  
 Private Bag 4800  
 Christchurch  
 Fax: (03) 364 2758  
 Email: [stefano.pampanin@canterbury.ac.nz](mailto:stefano.pampanin@canterbury.ac.nz)

**Immediate Past President**

Prof. Michael Pender  
 Dept of Civil & Environmental Engineering  
 University of Auckland  
 Private Bag 92 019  
 Auckland  
 Fax: (09) 373 7462  
 Email: [m.pender@auckland.ac.nz](mailto:m.pender@auckland.ac.nz)

Dr. John Townend  
 School of Earth Sciences  
 Victoria University of Wellington  
 P O Box 600  
 Wellington  
 Fax: (04) 463 5186  
 Email: [john.townend@vuw.ac.nz](mailto:john.townend@vuw.ac.nz)

Mr. Peter Wood  
 Ministry of Civil Defence and Emergency Management  
 P.O. Box 5010  
 Wellington  
 Fax: (04) 473 7369  
 Email: [peter.wood@dia.govt.nz](mailto:peter.wood@dia.govt.nz)