

## NZNOG meeting in Palmerston North

The New Zealand Network Operators Group is meeting in Palmerston North from Wednesday 31st January to Friday 2nd February. This has been an annual event for about five years and registrations are on track for somewhere approaching last year's attendance of around 140.

InternetNZ and Palmerston North ISP InspireNET are the major sponsors for the event. InternetNZ is very pleased to continue its sponsorship of NZNOG and contribute towards good communications within the technical community.

The society will have four attendees, and staff will operate a stand at the event. InternetNZ is also funding the travel of one of the international speakers, Tom Vest of the UC San Diego Super Computer Centre.

InspireNet's Dave Mill says local content has been boosted this year and a mini-conference on network systems has been added, on the Wednesday. "A lot of people who come to NZNOG look after systems and this will provide a lot more for them."

The mini-conference is a full day of presentations on such technologies as Cfengine, shell scripts, mail servers, Asterisk VoIP, Debian, virtual machines, and DNS registration. Two InternetNZ councilors, Jonny Martin and Sam Sargeant, are amongst the presenters.

Wednesday is also tutorials day with subjects including MPLS and fixed network access, Mikrotik RouterOS, and APNIC Internet Resource Management.

For Thursday and Friday conference papers will cover DNS, VoIP, IDS/IPS, Radius, APNIC, Palmerston North fibre, Citylink, REANNZ, streaming, spam and more.

Speakers anticipated include Gaurab Upadhaya from Packet Clearing House, Tom Vest mentioned above, James Jones of Virtual Realm Software, Netspace Services' Gerard Creamer, Robert Loomans and Nurani Nimpuno from APNIC, Richard Naylor of R2/Citylink, Inspire Net's James Watts, Citylink's Simon Blake, Joerg Micheel of TelstraClear, DMZ Global's Simon Howard and Alcatel-Lucent's Alastair Johnson.

There will also be a session on New Zealand Internet history, which it is hoped will provide some valuable input into InternetNZ's New Zealand History of the Internet. This is being written by journalist and author Keith Newman, who will be attending.

## Judith Speight elected

In December Judith Speight was elected to the InternetNZ Council, filling the vacancy left by the resignation of David Harris. For the past decade Judith has been active in both government and corporate fields as a strategist, advisor, negotiator and lobbyist. She is a director of ITT WRKZ Limited, a Trustee of the e-regions Trust and the Programme Leader for Accelerating Auckland. Judith has been a member of New Zealand's APEC TEL delegation over a period of 5 years, the Government's Broadband Forum, Minister for Communications Hon. Paul Swain's Electronic Commerce Action Team, the Prime Minister's Y2K Task Force and was Chairman of TUANZ for 7 years.



## Making Contact

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2006 NZNOG attendees, photo courtesy of Lin Nah



### Sam Sargeant elected

In November Sam Sargeant was elected to the InternetNZ Council, after Janet Mazenier resigned. Sam has been involved in the New Zealand Internet industry

for over 10 years, with the past 4 years as Technical Director of OneSquared. He has worked as an IP engineer and software developer before co-founding OneSquared in 2002. The State Services Commission contracts OneSquared to manage the registrar for .govt.nz domain-names.

### StopSpam website

InternetNZ has reformatted the Stop Spam website, adding an update on legislation. The site [www.stopspam.org.nz](http://www.stopspam.org.nz) was originally created by long time member and ex-councilor David Harris. It provides a central resource of consumer information about how to deal with spam and will become increasingly important as an education resource when the Unsolicited Electronic Messages Bill is passed this year.

### REANNZ plans workshop

REANNZ is planning a workshop and national tour on Building Communities for Collaboration in early July. The event is proposed around two themes: Human Dimension - understanding the needs or researchers and their disciplines and providing options and examples; and Technical Applications - applications of R&E networks, international trends and activities, updates on federated identity, GRID computing updates and more.

### Must-read peering paper

Victoria University honours student Neil Bertram has published a paper on peering and the presentation he did to the New Zealand Computer Society last year. These are available as PDFs for download under Projects at his site: [www.webbedfeet.net.nz](http://www.webbedfeet.net.nz). This 50-page paper reminds us of the need to address the peering issue in New Zealand since the breakdown of regional peering in 2004. His conclusion states "...the introduction of a two-tier infrastructure, in which clients are segmented from content, may have badly stunted the adoption of advanced services in New Zealand."

# Tackling the Copyright Amendment Bill

Late last year the Government introduced the Copyright (New Technologies and Performers' Rights) Amendment Bill.

InternetNZ has responded by organising workshops to help with both its own, and other's, submissions to the Select Committee. The workshops are set for Wellington on February 13 and Auckland on February 14, and an extension is being sought to the submission due date of February 16.

While the Bill appeared to "come out of the blue" it has in fact been percolating for many years and will address some real issues in existing law. InternetNZ is supportive of the Bill, but would like see some changes.

The issues of most importance to InternetNZ are around transient reproduction, ISP liability, and a notice and takedown system. But technological protection measures are another relevant area, and fair use and format shifting will also be of huge interest to many InternetNZ members. All these issues will be covered.

The programme will include a policy outline by the Ministry of Economic Development's Bronwyn Turley, presentations by a number of IP lawyers such as Rick Shera, Clive Elliot and Michael Wigley and also by experts including Peter Gutmann and Nathan Torkington.

Panel discussions will include luminaries such as well known commentator Russell Brown, Victoria University's Stephen Marshall, Amplifier's Chris Hocquard and APRA's Anthony Healey.

The workshops are free for members to attend, so contact [susi@internetcn.net.nz](mailto:susi@internetcn.net.nz) now to register your place. Encourage any also-motivated colleagues to join InternetNZ at the annual \$21 individual fee, noting that they will then also be able to attend for no extra charge.

## Member Consultations

The Member Consultation event dates are set for February 19 in Christchurch, February 20 in Auckland, and February 21 in Wellington. These will occur in the evening to encourage members to attend and interact with InternetNZ council and staff.

As this provides the best opportunity for input into InternetNZ's business, members attendance is most welcome and the relevant date should be marked in diaries now.

Members will be asked to consider the new strategic plan, which will apply from April 2007, and the annual budget and business plan.

Perhaps more importantly members will be consulted on possible structural change to InternetNZ with a view to streamlining operations.

Members may recall agreeing to the structural review at last year's consultations and may be enthusiastic about proposed changes.

Members will receive draft information, including venues and times closer to the meeting dates.

# Operational separation action

The December issue of *The Browser* outlined key changes that were made to the *Telecommunications Amendment Bill* last year. One of the key changes is the requirement for operational separation of Telecom. The *Telecommunications Act*, as it now is, provides that Telecom be separated into three business areas – a retail arm, a network services arm and a wholesale services arm.

The Minister of Communications specifies which parts of Telecom's network and other assets go into which area, and also specifies what services are covered by the requirements for Equality of Access that are at the heart of the separation model.

So those are two key issues – which parts of the network go where, and which services are covered by the requirements.

To kick start some discussion about these, InternetNZ is hosting a workshop on operational separation issues at the same time as the first day of NZNOG in Palmerston North, on 31 January.

Industry participants will be sharing their perspectives on these issues in the spirit of open dialogue. By getting the conversations started, and getting people thinking about these issues early, the intention is that public consultation responses on the operational separation plan will be better informed than otherwise.

## LLU Working Groups on target

nDSL (Naked DSL) and LLU (Local Loop Unbundled) services were key components of the Government's telecommunications reform package announced in May last year.

Telecom and the industry agreed that rather than waiting for the Commerce Commission to develop the terms of these services, a better approach would be to kick start an industry led process to develop the technical and operational standards that are needed to make nDSL and LLU services available over Telecom's network.

This process was started by Telecom in July last year, and the Telecommunications Carriers' Forum was chosen as a ready-made governance structure for the process to work in. Chaired independently by Tony Baldwin, the groups set themselves ambitious targets – to scope the requirements for LLU and nDSL by Christmas 2006, and to proceed with detailed specifications and guidelines for resolution by July 2007.

With a lot of hard work and broad engagement from ISPs and Telecom, the first deadline was met, with the first report published before Christmas. The Working Groups are now well on the way to kicking off the Phase Two work, and the ambitious deadline in July 2007 remains in place.

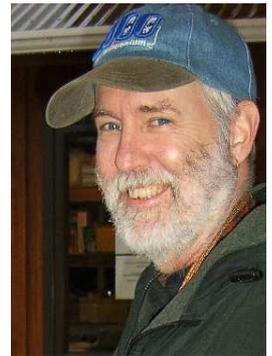
Once the technical standards are developed, they will form the basis of commercial offers by Telecom, or may be incorporated in regulated offerings administered by the Commerce Commission under the new Telecommunications Act provisions that were also passed just before Christmas.

InternetNZ staffer Jordan Carter has kept a watching brief on the Working Groups, participating when needed. They have proved to be a useful forum to resolve many issues in rolling out the new services in a broad-based, consultative way.

## briefs

### Nick departs the building

InternetNZ technical policy analyst Nick Wallingford has departed the building, and headed back to sunny Tauranga to his beloved polytechnic. Nick worked for InternetNZ on a one year assignment providing technical know-how at a crucial time. But don't fear, he will still be involved from afar assisting InternetNZ in the maintenance of the website.



### Membership drive

InternetNZ is seeking to grow its membership. Consider amongst your colleagues who may be interested in supporting the goals of the society of an open and uncapturable Internet. The fee of \$21 for individual membership is a no-brainer for most and it is easy to sign up at the InternetNZ website at [www.internetnz.net.nz/involved](http://www.internetnz.net.nz/involved).

## events

### Operational Separation Workshop

January 31, Palmerston North

### NZNOG and Network Systems

mini-conference

January 31 - Feb 2, Palmerston North

### Tackling the Copyright Amendment Bill

February 13 - Wellington

February 14 - Auckland

### Members' Consultations

February 19 – Christchurch

February 20 – Auckland

February 21 - Wellington

### APTLD, APRICOT

February 21 - March 2, Bali, Indonesia

### ICANN

March 26 - 30, Lisbon, Portugal

### InternetNZ AGM

July, Wellington

*Let us know of other upcoming events for the next newsletter.*

## .nz Statistics

In November the number of active .nz domain names increased from 257,872 to 261,283, a net increase of 3,411.

## DNC Staff Update

There have been a few changes around the DNC office this month. Our original Disputes Support Officer, Hilary Pope, has left and her position has been taken up by Jayne Boyle.

## Expressions of Interest for Working Group

The .nz Oversight Committee (NZOC) is establishing a working group to consider the implementation of IDNs into the .nz domain name space.

We are now seeking expressions of interest from people who would like to be part of the IDN working group.

The IDN issue for .nz domain names has been raised due to the five macrons which feature in the Māori language. These cannot be expressed in domain names without the use of IDNs.

The Working Group (WG) will identify and report any issues regarding the implementation of IDNs in the .nz space to the .nz Oversight Committee (NZOC).

Roles and responsibilities of the WG include:

- Evaluate RFC documents, such as <http://www.rfc-editor.org/rfc/rfc4290.txt> and <http://www.rfc-editor.org/rfc/rfc4690.txt>.
- Identify technical matters associated with IDNs and propose possible solutions.
- Determine policy implications of IDN implementation and propose alternatives to the current .nz policies and procedures.

For more information please refer to the terms of reference for the IDN working group which can be seen at [http://dnc.org.nz/content/IDN\\_WG\\_Terms\\_of\\_Reference.pdf](http://dnc.org.nz/content/IDN_WG_Terms_of_Reference.pdf).

If you are interested in being part of the Working Group, please send an email to [info@dnc.org.nz](mailto:info@dnc.org.nz) including a brief description of your background and why you are interested in being involved. NZOC will look at all expressions of interest and decide on the members of the Working Group at their meeting on 1 March 2007.

# Tapping into Asia Pacific

InternetNZ staff and Councilors will be attending the APRICOT Internet conference in Bali, Indonesia at the end of February. This is the premier Internet technical conference in the Asia Pacific region, and attracts a range of experts, practitioners and vendors from across the IT industry.

Attendance by InternetNZ is focused on improving technical knowledge for application back in New Zealand, and in increasing knowledge of technical policy for use in advocacy back home.

There are a wide range of associated meetings held with APRICOT. A key one is APTLD, the Asia Pacific Top Level Domain Association. APTLD is a forum where ccTLD managers from around the region share information on policy and technical issues, to improve ccTLD management and governance.

APTLD holds its AGM in conjunction with APRICOT every year, and the Bali meeting is preceded by two days of non-technical training for members.

A significant milestone for APTLD in 2007 is that Peter Dengate Thrush, a long time InternetNZ member and former President, is standing down from the role of Chair which he has held for four years. Peter's long service has seen APTLD hire its first General Manager and continue to be an advocate for ccTLD issues within the ICANN arena, as well as more broadly.



Peter Dengate Thrush, InternetNZ member and former President

For more information on either meeting, see [www.apricot.net](http://www.apricot.net) or [www.aptdld.org](http://www.aptdld.org).

## Internet Governance Task Force

InternetNZ has established an Internet Governance taskforce comprising Chair of Public Policy committee David Farrar, Executive Director Keith Davidson, NZ Oversight Committee Chair Frank March, Domain Name Commissioner Debbie Monahan and President Colin Jackson (ex-officio).

Special advisors will be co-opted to this committee as required, for example Peter Dengate Thrush. The taskforce will examine issues of internet governance both within New Zealand and internationally. Its major considerations will concern the potential formalisation of InternetNZ's relationship with ICANN and also possibly InternetNZ's relationship with the New Zealand Government.

ICANN had for several years sought formal tripartite agreements between ccTLD managers, their Governments and ICANN but in recent years has instituted a more flexible set of relationship-building concepts including a simple Memorandum of Understanding between the ccTLD manager and ICANN or a full accountability framework. Exploratory discussions with ICANN will commence at the March Portugal ICANN meeting.

Members will be consulted more broadly on issues relating to any formalisation of InternetNZ's position prior to any agreements being signed off. Those with strongly held opinions are encouraged to debate such issues on the Members Discuss list.