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1. INTRODUCTION

In the first minutes of Monday 14 November 2016 an earthquake measured at 7.8 on the

Award highlights: *Canterbury Distinguished Professor:* Professor Roy Kerr, recognised for Kerr's solution – on which all subsequent work on black holes has fundamentally depended, *Innovation Award:* Associate Professor Michael Tarren-Sweeney recognised for his development of the Assessment Checklist Series in the treatment of severely maltreated children, *Research Award:* Distinguished Professor David Schiel recognised for outstanding and internationally-recognised work on a wide range of topics in marine science.

Colleges:

College of Engineering: Considerably increased undergraduate numbers in excess of 2010 levels to reach record enrolments, many successful research bids, research has had a positive impact in the community, such as the new Solar Calculator, leadership role in QuakeCORE. On track to become one of the top ten Colleges of Engineering in the Southern Hemisphere. Decision to establish the School of Product Design.

College of Arts: The Māui Lab has recently had its one year anniversary as the brokerage point for connecting students to real projects and aspirations from within the Māori community through internships, consulting projects and research partnerships. Development of new professional taught Masters qualifications.

College of Education, Health and Human Development: Professor Gail Gillon is co-directing (with Otago and Auckland) the government initiative, a new National Science Challenge – A Better Start: E Tipu e Rea – which was officially launched by Science and Innovation Minister Steven Joyce in early 2016. A Better Start is one of 11 National Science Challenges designed to find solutions to large complex issues facing New Zealanders. UC academics are involved in all 11 of the National Science Challenges.

College of Business and Law: 21 Day student challenge - this year the 21 Day Challenge asked teams of students to help Niue to conserve, protect and sustainably manage its food supply with a view to becoming self-sufficient using a \$10,000 budget. Team EduKai worked with the Niuean community in Christchurch and an elder in Niue in preparation for the trip. Once there they worked with family cooks and collaborated with the community to build a taumafa community kitchen. Record enrolments in Professional Taught Masters Qualifications.

College of Science: A team of researchers made a scientific breakthrough in biomolecular interactions, which will help discover the determinants of gene expression. A number of potential biotech applications are possible as a result of the research findings, particularly in the space of designing mRNAs for genes so that protein production can be improved. The UC team is working with colleagues at Callaghan Innovation and Powerhouse on the best way to do this. Launch of the Geospatial Research Institute. I would also like to note that the Pro-Vice-Chancellor of Science, Professor Wendy Lawson, was awarded the Geospatial Professional of the Year award for her contribution to the discipline.

2. STRATEGIC MATTERS

2.1 UC Futures

October 2016 saw the approval by the UC Council of the last major business case for change in the UC Futures Programme. This case is for the second and final stage of the Rutherford Science and Innovation Centre (RSIC) project. This business case is to demolish and rebuild the earthquake-damaged von Haast building in 2017 and 2018. The business case is being considered by the Minister for Tertiary Education, Skills and Employment, and the Minister of Finance. If they endorse the case, the Government will release a \$15m capital contribution towards the project. This milestone is to some extent a waypoint for the UC Futures programme, which will now focus on ensuring that UC gains the benefits from the significant investment in the various UC Futures projects.

2.2 Regional Science and Innovation Centre (RSIC)

The new Stage Two building in the RSIC project which will replace the von Haast building includes an area purpose-built for secondary school students, teachers and student teachers. It includes two laboratories – one for general science and one for technology – which have been detailed as multi-purpose facilities for other colleges, hosted by the College of Science. The science room is a basic laboratory for use by the College of Education, Health and Human Development for teaching secondary-level student teachers. It will also be used as a location for secondary or primary students visiting campus for the many and varied Science outreach courses and seminars run by the College of Science. Although many of these students and their teachers will experience science in other locations including the new Rutherford Centre (Stage One RSIC), this facility will be able to serve as a ‘home base’ for outreach.

The second laboratory will include medium weight equipment for making things and will be known as a ‘makerspace’. This facility will be used for teaching technology to student teachers while also being made available for use by entrepreneur students wanting

2.5.1 Graduate Attributes

A draft reporting template on progress towards embedding the UC graduate attributes into graduate profiles and curricula was provided to the UC Council's Finance Planning and Resources Committee in October. This initial report indicated that, using a weighted average, UC is 67% of the way towards completing the formal programme reviews which are used to inform planning and curriculum development.

Core Attribute: Critically competent in a core academic discipline of their degree

Learning Objective: Students know a

Attribute 4: Globally aware

Learning Objective: Students will comprehend the influence of global conditions on their discipline and will be competent in engaging with global and multicultural contexts.

International Partnerships

The processing of applications for 2017 from articulation partnerships in China and Malaysia has begun. There has been a promising number of applications through a new pathway developed with UniKL in Malaysia (almost 50), although final numbers will be dependent on final sign-off from UniKL in liaison with the Mara sponsorship body.

A successful biculturalism and cultural competence workshop was held for the 14 UC students going to Mahidol University in Thailand in January. This was coordinated by the Māori Development Team and the Office of the AVC Māori. It highlighted a valuable opportunity to design activities that link together the biculturalism and global awareness graduate attributes.

The latest Chronicle includes an article on UC's partnership with Mahidol University.

Study Abroad and UC Exchange

October and November are the key application periods for the Semester One intake and the team has focused on processing inbound Study Abroad and Exchange applications and course approvals, and assisting prospective students through the application process. UC also participated in Education New Zealand's "Dream New" Study Abroad scholarship promotion in Europe and the winner of a dual Education New Zealand and UC award has been selected. As part of the award, the recipient will blog throughout their semester abroad and act as an ambassador to promote UC through various social media channels.

October has also seen engagement in a number of mobility events and visits. The team hosted a visit from Dr Lorna Stern, the Vice President of Arcadia University and Executive Director of the College of Global Studies, which highlighted some of the experiential opportunities available to Study Abroad students at UC. Along with six other New Zealand tertiary institutions, UC also attended the IIE Generation Study Abroad Summit as part of our commitment to working with US partners to significantly increase the number of US students studying abroad over the next few years. A pre-departure information session was also held to give outbound UC students going on exchange in Semester One information on finalising the arrangements for their exchange programmes and managing the transition to their overseas experience.

Planning is progressing on the Oxford@UC exchange which will see more than 20 students from Oxford come to UC for three weeks in September 2017. UC is contributing financial support to host these students, in part in recognition of the extraordinary support Oxford Colleges offered UC students by hosting more than 30 UC students at Oxford for the Trinity Semester in 2011.

3. CHALLENGE

Promote an inspirational and innovative learning and teaching environment, recruiting and retaining students, raising standards and enhancing student success.

3.1 International

3.1.1 Recruitment

INDIA:

The focus of the month has been:

Following up on students who were met with during recruitment sessions in late August. While Hobsons do provide enquiry management, it is clear that direct contact between recruiters/alumni with potential students is critical in building trust.

Where possible, ensuring that each and every student who needs help at the visa stage for the Executive Development Programme's October intake is flagged to Immigration New Zealand in Mumbai. With the new online system, visas for universities are progressing smoothly, and with priority.

VIETNAM:

The Internationalisation Administrator from the College of Business and Law has been representing UC at the Education New Zealand events and high school visits in Ho Chi Minh and Hanoi.

JAPAN:

The first Japanese student in the Certificate in Sport Coaching is being profiled and his testimonial in

3.2 Domestic Recruitment

3.2.1 Marketing

Social media activity continues to be high with UC among the top three New Zealand universities for engagement during October for Facebook, Instagram and Twitter. The online WCMS phase III project is under way with the new College of Arts content to be launched in mid-

3.2.3 Admissions

Over the last month Admissions has been closely monitoring the increase in applications. Continued efforts are being made to facilitate the reallocation of resources between key processing teams to ensure that UC remains as flexible as possible to deal with changing demands and ensure that the flow of applications is not held up at any stage due to resource shortages.

A total of 664 admission ad eundem statum (AES) applications were recorded as received to 28 October. This does not include ~150 applications still waiting to be 'entered' into the SMS.

This compares with 664 and 518 AES applications received in October 2015 and 2014 respectively. So far in 2016 admission AES applications received (5,305) are 26% and 52% higher than at the same stage in 2015 (4,208) and 2014 (3,483) respectively. The proportion of applications received this month (22%) that do not have sufficient documentation or information to complete the assessment has reduced by 2%, suggesting that efforts to improve the quality and completeness is helping.

AES Admission decisions: Number and type made in October 2016:

	Total	Undergraduate	COP	Graduate	Postgraduate	PhD/EdD*
Full offer	250	100	95	6	37	12
Conditional offer	119	58	3	6	34	18
Declined	78	30	0			

Accommodation

An accommodation newsletter distributed on 21 October to school leavers achieved a 68.95% readership. A further newsletter focussed on international students was distributed in mid-November. A new Accommodation Guide for 2018 is in the planning stages.

Student interactions peaked the week that offers went out with 201 email exchanges and 105 phone calls.

The due date for responses to accommodation offers made on 10 October was 28 October. Offers not responded to have expired, opening up places for waitlisted students. A short survey to cancelled applications will be distributed for feedback. At this stage it looks as though all halls will be full.

Affiliated housing has been very busy with students finishing up but also with new applications for next year. There are a small number of family enquiries as well. A few properties will not have leases renewed for next year due to cost.

3.4 Student Success

<i>Student Success Engagements October 2016</i>	
Accommodation	550 email enquiries 279 phone calls 39 face-to-face meetings Newsletter to 1,405 school leavers distributed 21 October 62.39% readership 876 unique opens as at 25 October
Careers, Internships & Employment	78 Express Appointments 61 Career Consultations 119 Vacancies added to CareerHub 19 Seminars/Presentations, 3 Employer information sessions, 75 students attending
Disability Resource Service	549 registered students (10% increase on previous month)
Transitions & Engagement Team	85 students in CUP Semester Two intake: 70% completion rate 86% pass rate Putting more resources into understanding and responding to students' needs has delivered a return on investment of an improvement in student performance from between 50-60% from 2012-2015, to completion rates of 70-80% in 2016/7. Enrolments in CUP have improved by 10% in 2016/7. In 2017, 50 more students entered degree programmes (150 students) after doing CUP in 2016, than the average (about 100 students) entering degrees over the last three years
UC Sport	28 students recognised at the UC Blues Awards

3.4.1 Student Success Supporting Bicultural Competence & Confidence

Student Success has embedded bicultural content into the Wellbeing Framework through use of a holistic Māori model of health, Te Whare Tapa Whā, and the inclusion of bilingual content. The Wellbeing Framework acknowledges the pivotal role of our Bicultural Framework in contributing to student and staff wellbeing.

4.1.2

includes a Directors panel discussion, which will focus on changes in the research management landscape, emerging issues, and potential ways to mitigate these issues. Danette Olsen, Manager of Strategic Investments (responsible for National Science Collaborations), MBIE, will respond.

4.1.4 Research Reputation

Two UC academics have been recognised on the Health Research Council of New Zealand's 25th

4.1.6 Innovation

UC, Powerhouse (the regional start-up and venture capital entity), and three UC inventors have partnered to establish a new start-up company to develop commercial opportunities in the field of “high voltage fluidics”.

The recently published TIN100 Report (a report that provides an annual analysis of New Zealand’s largest globally-focused companies in the hi-tech manufacturing, biotechnology and ICT sectors.) for the first time included a list of 100 promising New Zealand Early Stage Companies. Three companies with links to UC were listed in the top 10 – Crop Logic, Invert Robotics and MARS Bio-Imaging. These companies were selected based on an assessment of the innovation of their technology and the potential market opportunity.

4.2 DVC Academic

4.2.1 Academic Development

In the area of academic development, approval has been given for two pilot schemes to begin recruiting volunteers at the end of this year. The first is a scheme providing peer support in teaching involving pairs of volunteers working together on teaching issues. The second is a number of staff being supported towards attaining the UK Higher Education Academy (HEA) fellowship scheme.

The theme for 2017 teaching development grants has been approved. Again, priority will be given to applications which support the graduate attributes, but with a particular focus on developing the competencies and capabilities of staff in teaching, learning and assessment.

4.2.2 CUAP

Peer review is almost complete for the second round of CUAP. In excess of 100 round two CUAP proposals have been received from the other New Zealand universities. Thanks are extended to the staff who peer review these proposals. Work continues on the peer review of the UC proposals. Most proposals have been commented on with some receiving comments from up to three Universities. Thanks are also extended to the proposers who have been considering the comments and responding. Some feedback has been most useful and has led to minor changes in a number of proposals. The Graduating Year Reviews (GYR) have been submitted to CUAP. Universities are paired (UC is with Waikato in 2016) and scrutinise the GYRs from two Universities. The GYRs and scrutineers reports are considered at the November CUAP meeting.

4.2.3 Summer Scrutineer (ve)4(lop)-3(ng)10(the)JTJETBT0-(nised on74(P)-3luTP AMi M)-3(5(5.267-3(r

4.2.5 Student Incidents

A number of student incidents and emergencies have been a priority over the last month. My appreciation is extended to all who have been involved and have provided excellent support to students and staff during extremely high stress situations.

4.2.6 U Count Survey

Draft findings from the annual survey, focused on both student experience and academic matters in 2016, was

5. CONNECT

<i>Engagement Data</i>	
Intercom	Open rate 40 % (International benchmark = 21.8%)
Insider's Guide (student newsletter)	Open rate 48.8%

An analysis of coverage produced between 1 and 31 October 2016 (Broadcast, Internet, Print) found 779 items. This coverage reached a cumulative audience of 13,941,961 and had an advertising space rate of \$2,846,306.

5.1.2 External Engagement

The final two UC Connect public lectures for 2016, held during the final two weeks of term, were well attended. These were a panel of academic law experts from UC and Victoria speaking about rewriting legal judgments from a feminist perspective, and Physics and Astronomy Associate Professor Jenni Adams on hunting the elusive neutrino in Antarctica with IceCube; a neutrino detector made from a cubic kilometre of Antarctic ice. A selection of videos of the 2016 UC Connect public lectures is now on the UC Connect YouTube channel.

5.2 Alumni and UC Foundation

Fundraising

Philanthropic Income:	October	\$1,003,929	October YTD:	\$6,116,831
Distributions:	October	\$ 257,277	October YTD:	\$ 2,345,804
No. of Donors to UCF 2001 – to date		7,082	2016 Donors	961
No. of Gifts to UCF 2001 – to date		22,444	2016 Gifts	2,120

We have received \$500k from a UK donor in support of Engineering Scholarships for pupils from Southland Boys' and Girls' High Schools.

US

The Strategic Fundraising Plan for 2017 accepted by the UC Foundation board, along with focus on how US-based Trustees and Study Abroad alumni in the US can be galvanised to support Study Abroad.

S .5hropi

Staff

- Bob Lineham, Wynnism Armour and Erin Jackson have been voted onto the UCF Board of Trustees.

6. ENABLERS

Efficient, effective and sustainable use of the human, physical and financial resources available to the University

6.1 Staff Matters

In my report last month I highlighted not only the focus on student recruitment and retention that is critical to the University to recover but also the four major transformation programmes under way.

These transformation programmes relate to:

Transformation of the built environment, IT infrastructure and teaching pedagogy.

Transformation of the Graduate Profile.

Transformation of the student experience especially in respect of the administration affecting students.

Transformation of our organisational culture and development to support a more collaborative working environment.

To be successful, these transformations currently need significant input from those in formal and informal leadership positions, and will continue to do so. This broader leadership group includes Deans, Heads, Professors, other staff in College academic leadership roles, Service Unit Managers and Team Leaders, and SMT members. During 2017, I will be inviting these leaders to take part with me in a series of workshops about the four transformations, so that we can seek to ensure our efforts are aligned, and so that we can all benefit from each other's ideas and expertise.

The Central Promotions Committee recommended 10 promotions to full professor and 13 promotions to Associate Professor in the current round. About 70% of applications were recommended for approval and all recommendations were approved by the Vice-Chancellor. Eight of the ten new professors are women and six of the new associate professors are women. Congratulations to successful applicants.

~~6.2~~ Health and Safety

As the 2016 academic year comes to an end, I would like to thank everyone for their individual and collective contributions to continuously improve the University as a healthy and safe place to work and study. The progress we have all made so far will provide a good foundation for 2017 and I look forward to our further collective efforts. Next year will be a busy period of further change, including a significant number of physical moves and more building projects, and our efforts to keep ourselves and others safe and well will be a vital part of what we do in 2017.

6.3 Parking

The University of Canterbury (UC) Council recently announced it would increase on-campus parking charges each year for the next three years. The increased charges reflected the University's need to meet costs for car parking provision and maintenance without impinging on tuition revenue used to provide the University's core business of teaching and research. The District Plan determines all car parking requirements on the UC campus. UC has 3,742 on campus car parks for staff, students and visitors, including 610 temporary parks for contractors and 63 mobility parks. An additional 1,057 parks will be needed by 2023. A UC parking permit is only a 'licence to hunt' for a park, and it was not proposed to change that, but parking would be enforced year round for the first time from 1 January 2017.

6.4 Tribal Benchmarking

The annual survey of the eight New Zealand universities by Tribal to provide benchmarking around a number of variables, but particularly focussed on the efficient use of resources, has been received. Further analysis is being undertaken but early indications are that the University is using staffing resources relatively efficiently and space resources relatively inefficiently.

6.5 Workload models

Dialogue with PVCs is continuing and an update will be available in the New Year.

6.6 Space Utilisation Report

The 2016 space utilisation report again reveals significant opportunities to improve our space utilisation to meet industry benchmarks, however an emerging issue is that if student numbers recover as forecast and we continue to teach our programmes as we do we may be facing a shortage of large lecture theatres by 2020.

6.7 Infrastructure

The review of the Space Allocation Policy has been completed and a copy of the finalised policy was made available in Academic Board papers.

6.7.1 Health and Wellbeing/ South Bank Infrastructure

As part of the infrastructure required to support the development of the new UCSA building it has been determined that heat exchange technology represents not only a more environmentally friendly source of space heating and cooling but also a more cost effective option for developments in what is known as the Health and Wellbeing Precinct on the South Bank of the Avon River. A business case is being developed to assess the scale and scope and likely cost of preparing the infrastructure which would include deep water bores and pipework. Alternatives to expanding the use of the coal fired highoter bor151.94 264.7knd pipework

6.7.2 Summer Works

During the upcoming summer period a number of capital works

TEC, which must approve all borrowing under the Education Act 1989, has provided a borrowing consent, of which a key condition is that once UC is required to borrow more than \$65 million an independent advisor will be appointed who will advise on the financial risk to the Crown and assist the UC Council in managing financial risk.

There are no specific additional MOE covenants, but the Funding Agreement with the Government sets out certain financial targets to be reported to the Governance Oversight Group (GOG) appointed under the Funding Agreement. As at the end of October 2016, the University is tracking to meet its targets. The University's achievement for 2015 was within the ranges set.

7.2 Working Capital

Working capital¹ of \$155.212m at 31 October 2016 is \$163.024m more than budget, mostly due to the additional cash balances as a result of the lower capital expenditure (see above).

1

7.3 Draft 2017 Budget Summary

Following a Council workshop that reviewed the 2017 budget assumptions, the Senior Management Team (SMT) recommended the final budget for consideration by FPRC and UC Council in November. The 2017 budget deficit recommend for approval is \$9.1m and the capital spend budget for 2017 sits at \$206m. Both of these projections are consistent with the Crown Funding Agreement and updated ten year financial forecasts provided in May 2016. The budget provides for an increase in personnel expenses of 2% being a 1% allowance for salary and wage increases and 1% for promotion and progression.

8. COLLEGE SUMMARIES

8.1 College of Arts (Te Rī ngai Toi Tangata)

We welcome the appointment of Justin DeHart as senior lecturer in performance in the School of Music, joining a growing music performance presence at UC following Prof Mark Menzies' appointment as Head of Performance in June. A member of the internationally-renowned Los Angeles Percussion Quartet, Justin is a Grammy award nominee and performs in the gamut of contemporary musical styles from classical to pop – playing with pop legend Cheap Trick, for example – and world music (especially North Indian table playing) to electronica. Justin will be arriving from the US in February.

Dr Victoria Escaip and Dr Masayoshiecommend,f

9.1 Appendix 1: Building Update

Overall

Across campus works continue at pace. The four main construction sites are busy and planning for summer refurbishments and upgrades is well advanced. Work is continuing safely with no major injuries reported across the sites for the last period.

Campus Construction Safety Group

The Campus Construction Safety Group continues to meet focussing on the construction projects and their Health and Safety implications on the University's day-to-day business and reputation.

The group is also focussing on the planned summer works, particularly those planned between the SBS car park and the rear of E8 and E9 which will require close cooperation and coordination between the various project teams and the respective contractors.

Current Building Status

Key Progress this month:

Major work

Regional Science and Innovation Centre (RSIC)

Fletcher continues to report that its Practical Completion date for RSIC Stage One, as per the periods in the Construction Contract, is 2 May 2017. Work on site is progressing well against that target.

Installation of the first fix of building services continues on all levels and is progressing well. At roof level, the waterproof membrane installation and the erection of the roof steelwork is 95% complete. The façade installation continues on the eastern building with Fletcher and Thermosash continuing to work closely on the installation programme. Delay in the installation of the façade are occurring due to availability of fixing trades, but is being managed within the programme with no current impact on the scheduled completion date.

The use of temporary building wrap remains to cover sections of the building where façade has not been installed to provide a weathertight environment. This has allowed the internal timber framing and plasterboard to be installed and assists in maintaining programme dates. This initiative has been taken on by Fletcher at its risk.

Internal wall framing continues on all levels of the east and west buildings and plasterboard installation progresses throughout. Second fix for services, fire, electrical, HVAC, lab gasses, started

Canterbury Engineering the Future (CETF)

The main challenge for the project team continues to be programme management and provision of delivery dates that can be maintained. The UC intervention to engage an independent programme consultant in a review and coaching role is ongoing. In addition, dialog is continuing with Hawkins to gain alignment over a number of contract administration issues, of which agreement of scope change is the most important.

A statement of occupation has been received for ECE and occupation by UC of all areas aside from two labs has been completed. Practical completion will be achieved once a number of warranty issues are resolved.

The works to install a gas detection alarm panel in the PC2 laboratory will be completed outside of the main contract works. The current forecast for the gas alarm panel is prior to Christmas.

The programmed handover date for Core remains at 22 December. Hawkins has cited a number of reasons for the delay. The external PM and contractor have defined all outstanding issues and priority items for resolution and this is subject to daily review as part of the ongoing risk management to ensure the completion date is achieved.

Hawkins have also been focusing on the Tranche Two (CNRE and MECH) programme and advises it has revised the programme and improved completion dates for both wings. A workshop to review the delivery dates has been scheduled for 10 November to provide greater certainty for both the contractor and UC. This is a major focus for our independent programme advisor.

Electrical Link Reclad

A tender was released on 7 October and closed on 4 November. Surprisingly about 40 people attended the site familiarisation tour. The building consent application was submitted in October. Unfortunately, three of the six respondents have declined to tender, citing awarding of other project works around Christchurch as the reason.

Relocation of the College of Education Health and Human Development ñ Rehua (ex-Commerce, NEB)

The project remains on track insofar as programme and budget is concerned.

Structural works to the North building are on schedule for completion on 5 December. South structural building works are five days behind schedule but this is manageable within the master program. Delivery of the terracotta façade tiles is on track although there remains some concern regarding a performance test that could delay initial installation. Installation of Fluid Viscous Dampers is proceeding in line with the program plan.

Recommendations from the independent programme facilitator reports continue to be implemented with development of project performance metrics, prompt resolution of extension of time claims, improved communication and early warning of delays.

4. Head leases and standalone houses

At the September PCG it was recommended that some of the current head-leased properties be released at the end of this year. This recommendation was endorsed and there are five properties due to expire in the December and January period that UC will not be renewing, with the landlords all informed accordingly. This situation is being monitored closely given high residential applications.

8. Upgrade of Existing Residential Halls

Holmes Consulting Group (HCG) has been engaged by UC to provide structural strengthening design solutions for the UC student accommodation blocks where previous strength assessments have indicated an earthquake strength of less than 67% of an equivalent new building. All buildings has previously been assessed as over 34% NBS, and this next step is being undertaken in order to identify works required in order to achieve Council policy of 67%+ NBS seismic strength.

Projects in planning this month

Projects that are currently in planning include:

Kaikoura Field Station replacement

Logie and Locke refurbishment

Innovative Teaching Environments

New Teaching spaces

9.3 **Appendix 3:**

A Point-Of-Care Device that tests for Blood Incompatibility

Dr Renwick Dobson (Biological Sciences) and Dr Volker Nock (Electrical and Computer Engineering).

Safelite: UCan assess cybersecurity

Dr Dongseong Kim and Fangcheng Jia, Computer Science and Software Engineering.

Design, Synthesis and Fabrication of Novel Batteries

Dr Deborah Crittenden, Chemistry.

The winner of the WNT Ventures prize

Rapid Electrochemical Sensing of the Chemical Oxygen Demand in Wastewater

Dr Aaron Marshall, Chemical and Process Engineering.

Kupe Scholarship awarded to Desma Koia.

2016 Parkin Drawing Prize awarded to Hannah Beehre.

Shirtcliffe Fellowship awarded to Jeremy Watson and Benjamin Wilson.

Scientific Committee on Antarctic Research Visiting Professor Award awarded to Professor Bryan Storey.

Dr Justin Morgenroth awarded the 2016 Early Career Scientist Award, one of the International Society of Arboriculture's (ISA) Awards of Distinction. Dr Morgenroth's research focuses on solving applied problems in forested landscapes with a specific focus on urban forests.

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Lecturer of the Year – College of Education, Health and Human Development: Dr David Winter.

Great Character of the Year: Associate Professor Alessandro Palermo.

BUSINESS DEVELOPMENT AWARD: Intergrow- Felicity Powell -\$5,000 + C Lab Co Working Space + \$5,000 Cavell-Leitch Legal Services.

BUSINESS DEVELOPMENT AWARD: Mallu- Clive Antony, Meg Gerrard and Jess Langtry - \$600 Training & Beyond Xero Medium Subscription + \$2,500 Catalyst Services and Cloud Time.

BUSINESS DEVELOPMENT AWARD: The Pegboard Company- Tom Mackintosh and Toby Baker - \$600 Training & Beyond Xero Medium Subscription + \$5,000 Plato Creative Services.

BUSINESS DEVELOPMENT AWARD: Mecon- Todd Selak, Alan Watt, Sean Peraless and Josh Kerr - \$5,000 Powerhouse Services.

BUSINESS DEVELOPMENT AWARD: DBCycle- Mike Brophy - \$2,000 + \$1,000 Spark 240gb/mth Internet Dongle.

BUSINESS DEVELOPMENT AWARD: Peak to Plateau - Stefan Warnaar - \$5,000 Narrative Campaigns.

New Zealand Association of Graduate Employers (NZAGE) Industry Awards:

The UC Careers, Internships and Employment team won the award for Best Careers Service. This recognises best practice in recruitment, selection and development of graduate talent, and industry excellence.

Three companies with UC connections named in the top ten of the most promising early stage companies at the annual TIN100 Awards: Invert Robotics, CropLogic, and MARS Bio-imaging.

Heath Research Council (HRC) Awards. Distinguished Professor Geoff Chase received an established researcher award; Dr Jacki Henderson awarded with an emerging researcher award.

Professor Euan Mason recognised for his important contribution to the forestry industry, winning the award for his international quality science research at the 2016 Forest Science Awards.

UC Alumnus Professor Richard Payne. Richard received one of the 2016 Prime Minister's Prizes for Science. The Malcolm McIntosh Prize for Physical Scientist of the Year was awarded to Professor Payne from the University of Sydney's School of Chemistry, for his revolutionary drug development technologies that will help tackle health problems associated with various cancers, antibiotic resistance, malaria and tuberculosis. Professor Payne received his Bachelor of Science (Honours) (Chemistry) at UC in 2002.

Dr Anuj Misra awarded Indian National Science Academy (INSA) Young Historian of Science Award 2016.

Professors Misko Cubrinovski and Brendon Bradley awarded the American Society of Civil Engineers (ASCE) Norman Medal, the society's highest honour for a technical paper.

November

Margot Gibson was announced as a Rhodes Scholar. Margot completed a Bachelor of Laws (Hons) and BA in Feb this year. She is currently an intern with the NZ Embassy and Permanent Mission to the UN in Vienna.

Eight UC academics were awarded Marsden Fund research grants. The successful applicants were:

Associate Professor Michael Albrow – Counting the number and distribution of planets in the galaxy (\$870,000).

Associate Professor Daniel Stouffer – The importance of non-additive competition in diverse natural plant communities (\$795,000).

Professor Randolph Grace – An artificial algebra for implicit learning of Mathematical Science (\$705,000).

Dr Saurabh Bose – Brain inspired on-chip computation using self-assembled nanoparticles (\$300,000).

Dr Geoff Rodgers – Unique acoustic signatures to diagnose impending Dysfunction of Osteo-Mechanics (\$300,000).

Professor Rick Millane – New methods for imaging biological macromolecules using x-ray free-election lasers (\$865,000).

Dr Lynn Clark – What is the Southland accent? (\$530,000).

Professor Antony Fairbanks – A new paradigm for organelle targeting (\$870,000).

9.4 Appendix 4: VC Activities

Past Events	
27 October 2016	Attended a REANNZ Strategic Advisory Group Meeting via Teleconference
28 October 2016	