In this edition…

- CSU graduates - Where are they now?
- Screening for diabetic foot problems in community pharmacy
- Experienced Chair to lead Foundation towards new strategic direction
## Contents

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Experienced Chair to lead Foundation towards new strategic direction</td>
</tr>
<tr>
<td>2</td>
<td>Students receive financial assistance for 2008 CSU showcased at the Pharmacy Expo</td>
</tr>
<tr>
<td>3</td>
<td>CSU graduates - where are they now?</td>
</tr>
<tr>
<td>4</td>
<td>Student research projects</td>
</tr>
<tr>
<td>5</td>
<td>Screening for diabetic foot problems in community pharmacy</td>
</tr>
<tr>
<td>6</td>
<td>Foundation Professor of Rural and Remote Pharmacy</td>
</tr>
<tr>
<td>7</td>
<td>Charles Sturt Pharmacy Foundation hosts CPE weekend in Orange</td>
</tr>
<tr>
<td>8</td>
<td>Student Profile: Matthew Barwick</td>
</tr>
<tr>
<td>9</td>
<td>Pharmacy Foundation Pricelist CSU Pharmacy Foundation membership</td>
</tr>
</tbody>
</table>

## Contact us

CSU Script is produced by Charles Sturt University. For further information contact the Charles Sturt Foundation on:

<table>
<thead>
<tr>
<th>Field</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone</td>
<td>02 6338 4680</td>
</tr>
<tr>
<td>Fax</td>
<td>02 6338 4833</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:pharmacyfoundation@csu.edu.au">pharmacyfoundation@csu.edu.au</a></td>
</tr>
<tr>
<td>Web</td>
<td><a href="http://www.csu.edu.au/special/pharmacyfoundation">www.csu.edu.au/special/pharmacyfoundation</a></td>
</tr>
</tbody>
</table>

Disclaimer

The opinions published in CSU Script are not to be regarded as the official opinion of Charles Sturt University. While every effort has been made to ensure accuracy and completeness, no guarantee is given, nor responsibility accepted by Charles Sturt University for errors or omissions in the information presented. Before relying on any information in this publication, readers are responsible for independently verifying its accuracy, currency and completeness.

If you would prefer not to receive CSU Script in the future, please email aimee.cook@csu.edu.au and type ‘unsubscribe CSU Script marketing’ in the subject field or call 02 6338 4680.

The Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS) Provider Numbers for Charles Sturt University are 00005F (NSW), 078428C (VIC) and 002608 (ACT).

© Charles Sturt University 2008

## Committee Directory

### Mr Dick Marris, Chair
- Email: sirramint@bigpond.com
- Phone: 0437 350 906

### Ms Meagan Doyle, Vice-Chair
- Email: meagandoyle@mail.com
- Phone: 02 6862-2411

### Associate Professor Lyn Angel
- Email: tangel@csu.edu.au
- Phone: 02 6933 2836

### Professor Patrick Ball
- Email: pball@csu.edu.au
- Phone: 02 6933 2445

### Mr Michael Flannery
- Email: michael@instigo.com.au
- Phone: 02 9248 2611

### Mr Peter Gissing
- Email: pgissing@bigpond.net.au
- Phone: 0419 358 063

### Mr Tony Lawler
- Email: tony@lawlerspharmacy.com.au
- Phone: 0417 045 639

### Mr Paul Mahoney
- Email: mahoney@fl.net.au
- Phone: 02 9638 7831

### Mr Malcolm Rosborough
- Email: matros@tpg.com.au
- Phone: 0412 727 092
A mix of experience and fresh ideas will lead the Charles Sturt Pharmacy Foundation through the next 12 months after a new committee was elected at the recent Annual General Meeting.

The Committee, made up of new and existing members, consists of practicing pharmacists, Charles Sturt University (CSU) graduates and industry representatives.

The Foundation will be headed by Dick Marris who returns to the position of Chair after being prominent in the establishment of the organisation which has provided support to thousands of pharmacy students over the last decade.

Mr Marris, who was a Senior Executive with Faulding and its predecessor company Mayne Health, is also the Chairman of the Charles Sturt Foundation Investment Committee.

Mr Marris said he was enjoying being back in the position of Chair as it was a way to effectively contribute and fulfil his desire to give back to pharmacy.

“The Foundation has already undergone some substantial corporate changes and I look forward to those changes translating for the betterment of all concerned,” he said.

“A strategic plan has been developed and approved and now we have a clear direction for the future. Further to this, we have experts in particular fields that have joined the Foundation and together we look forward to implementing and achieving new and existing goals.

“I would like to take this opportunity to thank outgoing Chair, Peter Gissing, for the tireless effort he has given to the Foundation over the past three years. He was an inspirational Chairman and will remain as a committee member. Peter continues to be a great ambassador for CSU and in particular the pharmacy course.”

Working alongside Mr Marris will be CSU graduate Meagan Doyle who is the first alumnus to be Vice-Chairman of the Charles Sturt Pharmacy Foundation, and the first graduate from the University to be registered with the NSW Pharmacy Board.

Ms Doyle, who is a partner in the Parkes Pharmacy in regional NSW, said, as a former scholarship recipient herself, she was honoured to be involved with the Charles Sturt Pharmacy Foundation as a committee member.

“After experiencing first-hand the positive impact the Foundation has on the pharmacy course, I am hoping to expand upon my former role as Alumni Representative to try to encourage more former students to become involved,” she said.

“The Bachelor of Pharmacy is a fantastic course and has been extremely successful in promoting rural pharmacy to a broader audience. There are many graduates out there making a huge difference.”

The Charles Sturt Pharmacy Foundation also welcomes new committee members, including Michael Flannery, Paul Mahoney, Tony Lawler and Malcolm Rosborough.

Michael Flannery, together with his business partners, created the CountryPharm Group, which consists of a number of pharmacies operating in Central West NSW. Mr Flannery also founded Instigo, a business that supports retail and professional development in pharmacy.

Chairman of the NSW Pharmaceutical Defence Limited (PDL) Committee and NSW Director to the PDL National Board, Mr Paul Mahoney has also joined the Foundation in 2008 and will provide the Committee with comprehensive insight into the industry after more than 40 years in hospital and community pharmacy.

Mr Tony Lawler is also a notable inclusion in the Committee. The former Federal Member of Parliament possesses a strong interest in developing health programs for the long term survival of pharmacy. With a long family history of pharmacy in Dubbo, Mr Lawler is currently involved in four pharmacies across NSW.

Orange-based Pharmacist, Malcolm Rosborough has joined the Committee after becoming a Governor of the Charles Sturt Pharmacy Foundation in 2006. Mr Rosborough’s passion for the industry is continually demonstrated through his involvement with CSU Orange Campus and the pharmacy program.

These newly elected members join existing committee members: Head of the School of Biomedical Sciences Associate Professor Lyn Angel, Professor of Rural Pharmacy Patrick Ball and Wagga Wagga pharmacist Peter Gissing.

The Committee will work towards achieving the Charles Sturt Pharmacy Foundation objectives and focus on fundraising for scholarships, research and fulfilling the needs of the CSU pharmacy course.

“We have experts in particular fields that have joined the Foundation and together we look forward to implementing new and existing goals.”

Mr Dick Marris, Chair of the Charles Sturt Pharmacy Foundation Committee
For the past 11 years, the Charles Sturt Foundation has awarded a number of scholarships to support pharmacy students studying at the University’s Wagga Wagga and Orange campuses.

This year, the Foundation was able to award 13 scholarships, thanks to the establishment of two new awards donated by Coastal Capital Chemist and Karen Carter Amcal Chemist.

One student to benefit from the scholarship program is Olivia Cocks, the inaugural winner of the Karen Carter Amcal Chemist Scholarship awarded to a first-year student enrolled at Wagga Wagga Campus.

Ms Cocks said the Karen Carter Amcal Scholarship eased the financial stress of university expenses on her family and provided a great opportunity to experience community pharmacy.

Matthew Barwick was the inaugural recipient of the John Matthews Chemworld Chemist Scholarship in 2005 and now, as an Honours student at the Orange Campus, said the program provided him with financial assistance and great insight into the industry.

“The scholarship has also provided the opportunity to travel outside Orange and my home town for industry placements. I travelled to Darwin last year and the scholarship certainly made a big difference in paying for my accommodation.”

This year Mr Barwick received the Capital Chemist Scholarship and completed a placement at the Kingston Capital Chemist in Canberra during the semester break in June.

CSU showcased at the Pharmacy Expo

The Charles Sturt Pharmacy Foundation once again showcased its support of students and the industry at the 2008 Pharmacy Expo held at Darling Harbour on 20 - 22 June.

Vice-Chair of the Charles Sturt Pharmacy Foundation, Meagan Doyle said the stand was a highlight of the event providing pharmacists, proprietors and pharmacy personnel with interactive learning opportunities, enabling them to obtain clinical education and accreditation.

“In previous years we’ve had lecturers, alumni and students attend the stand to meet and greet people and provide them with an overview of pharmacy at Charles Sturt University (CSU),” Ms Doyle said.

“By having a stand each year we’ve increased awareness of the University and linked to our annual fundraising dinner.”

CSU showcased at the Pharmacy Expo

The Expo provides an opportunity to communicate the benefits of being associated with the Foundation,” Ms Doyle said.

“Our stand has been very popular as we provide CSU wine tasting along with course information and have a particular focus on the courses offered by distance education.”

Ms Doyle said the weekend was about demonstrating to metropolitan pharmacists the great work being completed for the industry in Wagga Wagga and Orange.

“Most of the people attending the event are based in a metropolitan area and therefore may not be aware of CSU’s School of Biomedical Sciences and the great work being done in the country,” Ms Doyle said.

“The Expo also provides an opportunity to communicate directly with individuals on the benefits of being associated with the Foundation through various activities including scholarships and attending the annual fundraising dinner.”

Six scholarships were awarded to students at the Orange Campus including Victoria Adams (Alan Hurdle Scholarship), Caroline Friedlieb (Coastal Capital Chemist Scholarship), Daniel Flavel (CountryPharm Scholarship), Bronwyn Field (John Matthews & Co Chemworld Scholarship) and Sally Whiting (Pharmaceutical Society of Australia Scholarship).
CSU graduates - where are they now?

In just a short period of time, Charles Sturt University’s Bachelor of Pharmacy has become a huge success, with a range of graduates now working in various industry sectors across Australia.

Students have embraced pharmacy and are now starting to make a contribution to the sector on a wider level, with many exploring careers in research, industry and at a community level.

One graduate who has made a full circle return to CSU is Mary Madden who, since graduating in 2001, has worked in community and hospital pharmacy before deciding to return to the University’s Wagga Wagga Campus earlier this year as an Associate Lecturer.

Ms Madden said she had reached the stage in her career where she wanted to do more.

“I was looking into research before I found out there was a position available at CSU and six months on I am now a member of staff within the School of Biomedical Sciences,” she said.

“My role at the University involves a lot of teaching and collaborating with other staff on the direction of the course, incorporating new material into the subjects. I also assist students during their studies and help them to develop a plan for when they enter the workforce.”

Ms Madden, whose research focuses on risk management, minimizing human error and the decision-making process when errors occur, said she is pleased she made the return to Wagga Wagga.

“I’m very glad I made the move. It has been positive for my family and career. There are also a lot of rewarding aspects to my job, particularly seeing the dawning of young faces when they get a new concept.”

After spending time in both community and hospital pharmacy, 2002 graduate Sam Dowdle travelled overseas to work in Galway on the west coast of Ireland. He has since returned to Australia and is working as a Project Pharmacist at the Pharmaceutical Society of Australia (PSA).

Mr Dowdle said his time at CSU provided him with the technical skills to perform his job and opened his eyes to opportunities available ‘outside the square’.

“Moving interstate to study at Wagga Wagga Campus made me realise that distance need not be a limiting factor in my career path but instead allowed me to embrace other opportunities for work and travel when they presented themselves,” Mr Dowdle said.

Since starting with the PSA, Mr Dowdle has taken on responsibility for the education program at the Pharmacy Expo. In this role he designs the education content, coordinates speakers and sponsors and is heavily involved in managing the logistics of this large event.

“I love the challenge and diversity of my job,” he said. “It teaches valuable skills in events and project management while keeping me on my toes.

“Clearly my time at CSU was integral to my career to date, providing the clinical background essential to performing my tasks.

“It also gave me the ability to learn new skills and remain flexible, which has proven critical when you consider that my job presents new and exciting challenges on a daily basis.

“My study at CSU is essential to my job, as the point of the Pharmacy Expo education program is making the program for pharmacists by a pharmacist.”

CSU graduates Amanda and Ben Brundusic have just opened their first pharmacy in Jerilderie, the first time the town has had a fully fledged pharmacy in almost 15 years.

It is the fifth pharmacy owned by the couple, who met in their final year of study at Wagga Wagga Campus and married two weeks after graduation.

“I had been doing medication reviews in Jerilderie and kept getting pestered by the community to open a pharmacy,” Mr Brundusic said.

“I kept fobbing it off until one day I decided to look into it and realised it was viable.

“It always gives Amanda and I great satisfaction to help out people in a community who have gone without professional pharmacy services for so long.

“The community of Jerilderie really appreciates the risk that we took in opening the pharmacy and they support us to the hilt, which is what gives me pleasure.”

After moving to Wagga Wagga from Sydney to study pharmacy at CSU, Ms Brundusic said the course gave her much more than she expected.

“The decision to move to Wagga Wagga for my university studies was one of the best decisions I’ve ever made,” she said.

“At the time, I wanted a change as I just didn’t fit into Sydney. I had the time of my life at university and today feel like I fit in here at Jerilderie in my role as a community pharmacist.

“The best aspect of the course was that there was no bias to a particular field. The lecturers don’t just steer you into one field. I always knew I wanted to run a pharmacy and be my own boss, where as one of my best friends is now working in a hospital pharmacy and loving it.”
Student research projects

Name: Shann Chain
Bachelor of Pharmacy (Honours)
Title of research: The journey within - change within the pharmacy profession

This honours project will study how pharmacists adapt to and manage change in our constantly changing healthcare environment. The project will explore the common and different themes brought up by pharmacists through semi-structured interviews. Participants will be recruited through purposeful selection and utilisation of the supervisor’s contacts as well as contacts from the participants themselves.

Name: Anna Unger
Bachelor of Pharmacy (Honours)
Title of research: Comparison of methods of differentiation of obstructive airway disease in asthma and Chronic Obstructive Pulmonary Disease (COPD) and assessment of management strategies

This study aims to compare methods to differentiate obstructive airway diseases in asthma and chronic obstructive pulmonary disease (COPD). The natural histories and treatment outcomes of these diseases differ significantly but they are still difficult to differentiate in clinical practice. The research will evaluate and adapt pre-existing tools for differential diagnosis to allow optimal treatment and outcomes for the two diseases with assessment of precipitating factors and therapeutic management strategies.

Name: Loesje Schoen
Bachelor of Pharmacy (Honours)
Title of research: So where are you now?

This Honours project studies the issues surrounding graduate recruitment and retention in rural areas, including the positives, negatives and improvements that can be made to pharmacy practice in rural and remote Australia. The first component of this three part study is to survey students at university and examine factors including: background, area in which the student grew up, and the area in which they received their education.

Name: Matthew Barwick
Bachelor of Pharmacy (Honours)
Title of research: Study of Penicillin Type Pharmacophores and Organozinc Compounds

This project aims to determine the thermodynamic stability of β-sultam pharmacophores using computational chemistry methods and secondly to determine the nature of metal-ligand bonding in the enzymes which deactivate penicillins.

Name: Winnie Chin
Bachelor of Pharmacy (Honours)
Title of research: A study of the anti-inflammatory components of olive leaf extract

This project aims to examine a commercial product of olive leaf extract to confirm the presence and quantity of specific phenolic compounds known or believed to have anti-inflammatory activity. Laboratory techniques such as High Performance Liquid Chromatography (HPLC), Mass Spectroscopy (MS) and Thin Layer Chromatography will be utilised to separate, identify and quantify phenolic compounds in the flavonoid group including Apigenin, Luteolin and Quercetin. Moreover, the project endeavors to hypothesise the anti-inflammatory potential of the contents based on available scientific literature. Research and analysis of olive leaf extract may prompt insight and understanding of the chemistry and potential applications in the treatment of inflammatory conditions.

A better banking solution for pharmacists

At Bendigo Bank we can provide all the business banking products and services you need to manage your pharmacy. But it's our unique brand of attention to detail and personal service that will really make the difference.

To find out how contact our pharmacy finance specialist Terry Fanning on 02 9884 8642.

Bendigo Bank Limited, The Bendigo Centre, Bendigo, VIC 3550. ABN 11 068 049 178 AFSL 237879 (S16430) (09/07)

www.bendigobank.com.au
The rapid increase in the number of people diagnosed with Type II Diabetes Mellitus (DM) represents a major challenge to the Australian healthcare system.

Effective management of this chronic disease state is essential to preventing and/or minimising the onset of long-term complications that can affect the cardiovascular system, eyes, kidneys and nerve function.

One example of nerve dysfunction in people with DM is the loss of feeling that may occur in the feet. Known as Loss of Protective Sensation (LOPS), it has been shown to be the major risk factor for developing diabetic foot ulcers. If an ulcer does occur, additional complications of DM such as poor circulation and delayed wound healing contribute to the chronic nature of diabetic foot ulceration which may lead to amputation.

As LOPS is often asymptomatic, many diabetics in our population are unaware of its onset. However despite the availability of a simple point of care test for LOPS detection, it has recently been shown that only 50% of the people with DM in Australia are currently participating in foot screening services.

The role of the pharmacist in the chronic disease state management (CDSM) of DM is currently expanding and this pilot study is investigating the implementation of the monofilament point of care test for LOPS in community pharmacy.

This study entitled “An Assessment of Diabetic Foot Screening in the Community Pharmacy Setting” is a Bachelor of Pharmacy (Honours) project being conducted by fourth-year student Lisa Wallis, in conjunction with Professor Patrick Ball (Foundation Chair of Rural and Remote Pharmacy) at the Wagga Wagga Campus and Ms Harriet Farquhar (Lecturer in Podiatry) at the Albury-Wodonga Campus.

Nineteen pharmacy sites involving 26 pharmacists are participating in the project. They were recruited through the Continuing Professional Development (CPD) days conducted by CSU and the Wagga Wagga pharmacist recruitment of 10 people with diabetes for the study from their pharmacies in Canowindra, Coolamon, Cowra, Forbes, Gilgandra, Griffith, Henty, Lockhart, Orange, Temora, Wagga Wagga and Wodonga, with a three month data collection period which concluded at the end of May 2008.

This study aims to demonstrate the potential role of community pharmacists in increasing screening rates and detection of LOPS in people with DM in the community, in both the pharmacy and home medication review setting, with the long-term goal of implementing this simple point of care test into the pharmacy based DM CDSM program.
Foundation Professor of Rural and Remote Pharmacy

By Professor Patrick Ball

Australia’s Foundation Chair of Rural and Remote Pharmacy was established in February 2005. To date, the position has contributed to successful competitive research grant applications totaling $300,000, produced six peer-reviewed publications and made 12 research presentations at conferences.

One completed project, funded by the Federal Government Rural Health Support Education and Training Program (RHSET), delivered a series of six ‘train the trainers’ workshops demonstrating the value of multidisciplinary teams working together in the management of the frail elderly.

Those attending the workshops were provided with all the teaching materials, resources and narratives used, so they would be able to use or adapt them to disseminate messages further in their own workplaces. This approach is currently being explored in two further contexts.

A project supported by Pharmaceutical Defence Limited has proved especially exciting for a number of reasons. In the general area of risk-management, the project hinges around the concept of designing working systems so they either prevent errors from happening or trap the errors in-process before they can be released. This concept is extensively implemented in high-risk industries such as aviation and mining.

Work processes are studied in detail to look at how things are actually done, step by step, and how and where errors could arise. This involves psychological input to study human behaviour and thought processes in order to predict how these might influence the outcome. It is also important to study sources of, and strategies for avoiding or coping with distractions.

Finally, detailed root-cause analysis of the errors and near-misses that do occur, studying every stage of the process to see how each may have contributed to the error occurring and how the step could be changed to prevent repetition, completes the process. The lessons learned are then applied to the design of revised ways of working in an attempt to ‘design’ errors out of the system.

To date, there is little evidence in the published literature that there has been much effort to develop this type of approach in pharmacy. Anecdotal evidence and personal communications suggest that some work has been undertaken by the large chain pharmacy companies overseas, but the results of this are not in the public domain. The aim is to perform work that will be in the public domain.

The concept is applicable to all pharmacies, but successful application of this type of approach would be particularly advantageous in rural and remote pharmacies where staffing numbers are low and opportunities to discuss and cross-check opinions and advice are limited.

A review of the literature has been completed and will be submitted for publication shortly.

The next phase of the project will explore the decision-making processes employed by pharmacists in deciding how to deal with prescriptions or requests that have perceived clinical problems.

The researcher leading this phase is Charles Sturt University (CSU) pharmacy graduate Mary Madden. This work will form part of her Doctoral studies. Ms Madden has recruited pharmacists from the areas surrounding CSU’s campuses at Wagga Wagga and Orange and will be conducting interviews over the next few months.

The Psychological input is from Dr Gene Hodgins from CSU’s School of Humanities and Social Sciences.

If you would like further information regarding these projects and ways in which you can support research at CSU, please contact the Foundation on 02 6338 4680 or email pharmacyfoundation@csu.edu.au
Golf balls, sauvignon blanc and addressing the needs of rural pharmacists are three things which would not usually go together, but on 24 and 25 October 2008 all three will feature in the Charles Sturt Pharmacy Foundation social weekend in Orange.

For many years the Charles Sturt Pharmacy Foundation has supported rural pharmacists with a range of Continuing Professional Education (CPE) programs that focus on technical content and building a network among regional pharmacists.

This year’s event will build upon the popularity of previous CPE sessions and will be combined with a golf day and the annual Charles Sturt Pharmacy Foundation Dinner.

The weekend will commence on Friday 24 October when Sydney-based group, Chemist Golf, hold its monthly meeting at Orange’s Duntry League Golf Club. For those choosing not to take to the green, a number of activities will be available to coincide with the Orange Wine Festival. The day will conclude with drinks and canapés at Belgravia the Union Bank.

A CPE session will be held the following day at the Charles Sturt University Orange Campus, with Professor of Rural Pharmacy Patrick Ball arranging a comprehensive program of speakers.

The annual Charles Sturt Pharmacy Foundation Dinner will be held that evening at Borodell Winery on picturesque Mount Canobolas to provide individuals with the chance to network while raising money for CSU students.

Vice-Chair of the Charles Sturt Pharmacy Foundation and co-organiser of the weekend, Meagan Doyle said the two days will contain the right mix of education and social networking opportunities.

“The main purpose of the weekend is to provide individuals with the chance to network in a relaxed and fun atmosphere,” Ms Doyle said.

“On top of this, it is one of the few opportunities for rural pharmacists to rub shoulders with members of industry who are usually based in the city.

“With the weekend being held in Orange, Central West NSW, it is a local event for many pharmacists and, with less travel, it makes it more achievable to leave the pharmacy for a day to attend the event.

“Professor of Rural Pharmacy Patrick Ball is putting together a strong program for the CPE side of the weekend and more details will be released soon, confirming guest speakers and topics.”

Chair of the Charles Sturt Pharmacy Foundation, Dick Marris, said the Foundation was proud to support the CPE weekend.

“The weekend is so important on a range of levels, giving pharmacists the chance to learn more about the industry and network with others. It is a highlight of the year for the Charles Sturt Pharmacy Foundation,” Mr Marris said.

“It is also crucial in the promotion of the Foundation and, by making a whole weekend of it, we have the opportunity to provide additional exposure of our goals and encourage individuals to participate by donating to scholarships or even joining the Committee.”

For more information on the Charles Sturt Pharmacy Foundation social weekend please contact the Foundation on 02 6338 4680 or email pharmacyfoundation@csu.edu.au
1. What attracted you to a career in pharmacy?
There are a number of jobs available in regional areas. The Bachelor of Pharmacy presents a lot of career opportunities and job prospects for me and I am looking forward to being able to use my clinical and people skills concurrently as a pharmacist to help other people.

2. Why did you choose CSU?
Selecting CSU allowed me to study my chosen career path in a regional centre and this really appealed to me, especially considering that I originally come from a non-metropolitan area. CSU is also a university that places a stronger emphasis on rural pharmacy practice than other universities and it is highly respected within the profession.

On top of this, CSU presents a number of advantages for a student wanting to practise in a rural or regional area by providing numerous contacts and opportunities for placements in rural areas, such as the Darwin Pharmacy Students Placement in 2007.

3. Why did you decide to complete your Honours?
During my studies I realised I have an interest in chemistry and pharmacy research. Honours study gives me an opportunity to undertake further postgraduate research should I wish to upon the completion of my undergraduate studies.

4. What has been a highlight in your course?
The Darwin Placement during September 2007 was such a great experience and something that will stand out in my mind forever. I also went to the 2008 National Australian Pharmacy Students’ Association (NAPSA) Congress and represented the CSU Pharmacy students group, Pharmers.

5. As a student, what do you believe are the current issues being faced by rural pharmacy?
For some time there has been a shortage of younger pharmacists practising in rural and remote areas. This in turn has many implications including the sub-standard health outcomes for rural and remote residents, which then place additional demand on existing health services, including pharmacists.

Professional support such as Continuing Professional Development for rural practising pharmacists is vitally important to help improve and broaden the health services rural pharmacists can offer their remote communities and help improve the poor health outcomes of rural populations.

6. How does it feel to be one of the first graduates of the Charles Sturt Pharmacy Program at Orange?
It has been challenging at times being the first cohort at Orange Campus for both students and academic staff, and we have had to adapt to the technology of video conferencing for teaching and interacting with students and staff on different campuses. As a result, we have close working relationships with academics and school staff.

7. What are your plans for when you complete your studies?
To complete my PGTC year in a regional town in either a hospital or community pharmacy setting. I would like to then practise as a pharmacist for a few years, eventually entering into pharmacy ownership in the not too distant future. I would also like to complete postgraduate studies (Masters or PhD) at some stage of my career.

8. Where do you see yourself in 10 years?
Hopefully, in a pharmacy ownership/management role in a regional town in northern NSW or southern Queensland.

9. What do you do outside pharmacy?
Some of my other interests are Australian stock horses and campdrafting. I have been involved in the Australian Stock Horse Society (ASHS) and campdrafting for a number of years. I was President and Co-Founder of the ASHS NSW Young Members Association which is for members under the age of 25. This group aims to give youth members a voice within the Society and enable them to run and sponsor youth events within the ASHS.

I have competed successfully in ASHS events at state, royal and national levels on a regular basis. I own and run an ASHS stud at my parent’s property at Dungowan, NSW.
## Pharmacy Foundation Pricelist

### Cellar Door Hours
- Monday - Friday: 11am - 5pm
- Saturday & Sunday: 11am - 4pm

### NB: 20% Discount is included in price

<table>
<thead>
<tr>
<th>Quantity</th>
<th>GST Inclusive</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordered units</td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

### Sparkling Wines
- 2004 Limited Release Pinot Noir/Chardonnay: $19.80
- 2005 Limited Release Sparkling Shiraz: $19.80

### White Wines
- 2006 Limited Release Pinot Gris: Sold Out!
- 2007 Sauvignon Blanc (Orange Region) - $85.80/straight dozen: $9.90
- 2007 Chardonnay (Orange Region) - Rated ‘Top 100 Wine in Australia’: Sold Out!
- 2007 Limited Release Chardonnay (Orange Region): $19.80
- 2006 Riesling Traminer: $14.30

### Red Wines
- 2007 Cellar Reserve Alfresco Rosso: $9.90*
- 2006 Shiraz Grenache Mourvedre - NEW RELEASE!: $14.30
- 2004 Cabernet Sauvignon/Merlot - Gold Medal Winner!: $14.30
- 2004 Limited Release Cabernet Sauvignon/Merlot - NEW RELEASE!: $19.80
- 2005 Cellar Reserve Cabernet Sauvignon/Shiraz: $27.50

### Dessert/Fortified Wines
- Late Harvest Dessert Wine (375ml): $9.90*
- The College Tawny (Liqueur Port) (375ml): $15.40
- The College Muscat (375ml): $15.40

### Freight/Costs Incl.

<table>
<thead>
<tr>
<th>Case</th>
<th>(per case)</th>
<th>2 Cases or more</th>
<th>(per case)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sydney</td>
<td>$14.50</td>
<td>$10.10</td>
<td></td>
</tr>
<tr>
<td>NSW country</td>
<td>$14.50</td>
<td>$11.70</td>
<td></td>
</tr>
<tr>
<td>Melbourne</td>
<td>$14.50</td>
<td>$10.10</td>
<td></td>
</tr>
<tr>
<td>Vic. country</td>
<td>$14.50</td>
<td>$13.70</td>
<td></td>
</tr>
<tr>
<td>Brisbane</td>
<td>$13.80</td>
<td>$13.80</td>
<td></td>
</tr>
<tr>
<td>QLD country</td>
<td>$19.10</td>
<td>$19.10</td>
<td></td>
</tr>
<tr>
<td>Adelaide</td>
<td>$14.50</td>
<td>$14.50</td>
<td></td>
</tr>
<tr>
<td>SA country</td>
<td>$17.50</td>
<td>$17.50</td>
<td></td>
</tr>
<tr>
<td>Perth</td>
<td>$24.40</td>
<td>$22.20</td>
<td></td>
</tr>
<tr>
<td>WA country</td>
<td>$30.60</td>
<td>$30.60</td>
<td></td>
</tr>
<tr>
<td>Tasmania</td>
<td>$23.30</td>
<td>$23.20</td>
<td></td>
</tr>
<tr>
<td>NT</td>
<td>$32.30</td>
<td>$32.30</td>
<td></td>
</tr>
</tbody>
</table>

### A 20% discount applies for all non-sale items. * No further discount

---

### Pharmacy Foundation Membership

I would like to support the Charles Sturt Pharmacy Foundation by becoming a (please tick one):
- Governor - $5,000 per annum
- Donor - $1,000 per annum
- Supporter - $250 per annum
- Associate - with a monthly credit card contribution of
  - $20
  - $50
  - $100

OR I would like to donate the amount of $

Name: ____________________________
Address: ____________________________
Postcode: ____________________________
Phone: ____________________________
Email: ____________________________

Payment options:
- Please invoice me in (month) each year for the above amount.

OR Make cheques payable to ‘Charles Sturt Foundation’ and forward to the address below

OR Please charge my credit card:
- Bankcard
- Visa
- Master Card
- American Express
- Diners

Cardholder's name: ____________________________
Expiry date: ____________________________
Amount of authorisation: ____________________________
Signature of cardholder: ____________________________