

COLLEGE COURIER



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PRESIDENT'S MESSAGE

This is a very exciting time of the year for the College. It is with much anticipation and excitement that we begin to prepare for the 2017 Membership and Fellowship examinations with over 200 Membership candidates and 23 Fellowship candidates enrolled to sit examinations in a broad range of subjects. We are indebted to our hard working team in the College office, including the Examinations Officer, Ms Robyn Pettigrew and the Chief Examiner, Dr Tias Muurlink, Assistant Chief Examiner (Training and Credentials), Dr Peter Bennett and Assistant Chief Examiner (Examinations), Dr Carolyn Guy and the Board of Examiners who are integrally involved in the construction and delivery of examinations. We are equally indebted to the many College members who volunteer as examiners and reviewers. The College Council would like to extend their gratitude to those individuals that make such a significant contribution to ensure the success of the examination process.

An integral component of the College year is Science Week and from July 6 to July 8, 2017, a number of Chapters will be offering scientific programs of interest to both specialists and veterinarians working in general practice. College Science Week is the most advanced scientific conference in the region and is unique in bringing together many streams of specialist education for the veterinary delegate. Science Week provides a perfect opportunity to catch up with colleagues and friends in your specialty as well as supporting your Chapter's scientific program. This year we have an exciting plenary session on Saturday from a clinical psychologist, Dr Fernando, speaking about the definition of happiness. Dr Fernando is a very entertaining, dynamic and interesting speaker and we would encourage all members to attend. The new Assistant College Manager, Ms Sharon Tinsley is responsible for the organisation of Science Week in 2017 under the careful guidance of the College Manager, Ms Elaine Lowe and College Manager Designate, Ms Mary Anne Hiscutt.

We have just completed a highly successful Examiner Training workshop at the Gold Coast with Dr Liz Norman from Massey University. A large group of examiners from a broad range of subjects participated in informative and practical lecture presentations sharing the fundamentals of examination blueprinting, construction and design as well as working together to complete their examinations. This is the fifth workshop and a demonstration of the commitment of College Council and the Board of Examiners to support examiner training and continuous examination improvement. We are thankful for the commitment of the Board of Examiners for giving up valuable time to continue to support this initiative and our examiners, who also volunteer their time to participate.

A new electronic marking scheme has been developed over the past three months by an external consultant, Integral Technology Solutions, working closely with the College Executive Officer, Mr Kim Hudson

in conjunction with the Examinations Officer and the Chief Examiner. This was tested at the Examiner's workshop and the new system is convenient and easy for examiners to use and will markedly improve efficiency as well as providing the Board of Examiners and the College office with much greater sophistication for examination reporting and analysis. The new electronic marking scheme will be introduced for all components of the examinations at Science Week, 2017.

We are also pleased to announce that the Chapter website functions have now been completed. All Chapters have been contacted with information as to how to update the College website with Chapter information. We encourage Chapters to assign this role to a website coordinator and with Science Week rapidly approaching, the new website availability will give Chapters the opportunity to advertise their programs as well as provide information and resources for their members. For those members who have not recently visited the College website, we would encourage you to pay a visit www.anzcvs.org.au

Council is also pleased to announce the formation of a new Finance and Risk Committee. A new Finance charter has been developed by the current Council Treasurer, Dr Bruce Smith and ratified by Council at the end of last year. An external expert in financial governance and risk management will be appointed for a one year trial period and will act in an advisory capacity to Council.

College Council is strongly committed to providing information and support to the College membership and our new Chapter Liaison Councillor, Dr Zoe Lenard is developing strategies to improve the efficiency of our communication and reporting from individual Chapters to Council members using the College website. Each Chapter has a Council member with whom they can contact and liaise if there are matters of concern or issues that need to be brought to the attention of Council. We encourage Chapters to develop the relationship with their individual Council Liaison. Additionally, Council has developed several monetary grants that are available for the development of Science Week programs or Chapter initiatives and further information regarding these can be accessed from your Council representative.

I would like to finish by thanking every individual contributing to the College community; whether you participate as a Chapter Executive, website administrator, Science Week convenor or on a Chapter Examination Committee; in an examination or review team; or as an examiner or speaker, we thank you for your effort. To all the examination candidates for this year, I wish you the best of luck for your examination preparation and look forward to welcoming you as a Member or Fellow of the College.

Regards,
Mandy



THE AUSTRALIAN AND NEW ZEALAND COLLEGE OF VETERINARY SCIENTISTS SCIENCE WEEK CONFERENCE

6th–8th July 2017
at the **QT Hotel, Surfers Paradise**

A great opportunity exists for you to be part of this valuable integrated multi-stream programme, with ample time to interact socially and scientifically with key members of the profession from Australia, New Zealand and beyond, in the following disciplines:

- » Anaesthesia and Analgesia
- » Animal Welfare
- » Cattle
- » Emergency Medicine
- » Equine
- » Oncology
- » Radiology
- » Small Animal Medicine
- » Animal Reproduction
- » Avian
- » Dermatology
- » Epidemiology
- » Feline
- » Pharmacology
- » Small Animal Surgery
- » Veterinary Behaviour

College Science Week is the flagship event of the ANZ College and presents material from the CUTTING EDGE, including scientific and clinical updates from Australian, New Zealand and overseas experts.

This year's conference will feature a plenary by consultant psychiatrist and sleep and insomnia specialist Dr Tony Fernando that will be relevant to all practitioners, on how we need to understand how our own minds and emotions work before we can manage our stress and happiness.

As always this meeting is NOT RESTRICTED to College Members – all Veterinarians are welcome. We have, however, been advised by the venue management that registration numbers are limited to 500.

Details of the full programme and registration are available on the College website www.anzcvsc.org.au or from the College office telephone +61 (0)7 3423 2016, fax +61 (0) 7 3423 2977 or email admin@anzcvsc.org.au



COUNCIL ELECTIONS AND VOTING

The College Council is the body that administers the College on behalf of the Membership. Your involvement is essential. Two places on Council are available for election this year. Nominations for these positions are currently being called. Drs Caroline Mansfield and Wayne Ricketts complete their terms on Council this year and have both indicated that they will stand for re-election to Council. Dr Mansfield plays a vital role on Council, especially through her valuable contribution as Past President, as does Dr Ricketts in his positions as the current Honorary Secretary and Honorary Treasurer (New Zealand).

All members should consider nominating for Council, if you have an interest in the future and objectives of the College and a desire to make a significant contribution to the veterinary profession. Councillors are offered directorship training and extensive support from the College office and find the experience of serving on Council to be a most rewarding and enjoyable one. All financial Members and Fellows of the College are eligible for nomination and election for Council. A nomination form is included at the end of this Courier.

As a member of the Australian and New Zealand College of Veterinary Scientists, you are encouraged to vote in the 2017 Council election. Council, as the Board of Directors of the College, manages the day to day operations and strategic objectives of the College and therefore significantly influences the future of the veterinary profession in Australia and New Zealand.

MANDATORY INTENTION TO SIT DATE FOR FELLOWSHIP CANDIDATES

Closing date to register intention to sit for Fellowship examinations in 2018:

30 JUNE 2017

NO applications will be accepted after this date.

Fellowship Candidates wishing to sit Fellowship examinations in 2018 should note that it is mandatory to register their intention to sit with the College office before **30 June 2017**.

NO applications to sit the Fellowship examinations will be accepted after this date. Candidates who register an intention to sit, but do not comply with current credential guidelines will be able to withdraw their application before the 31 October.

Please note that the Credentials date of 31st October remains the same, and at this time all requirements outlined in the Training guidelines must be completed.



NOMINATIONS SOUGHT FOR COLLEGE AWARDS 2017

The College Prize is awarded to a veterinarian who has made an outstanding practical contribution to veterinary science or practice in Australia or New Zealand without the support of an academic environment. The Awards Committee will consider the applicability of the contribution in the broad field of veterinary science.

The Ian Clunies Ross Memorial Award recognises high academic and/or research accomplishment. It is awarded to an Australian or New Zealand veterinarian making an outstanding contribution to veterinary science in the preceding five years.

The Fellowship Training Scholarship (value \$8,810) is awarded to a Member of the College who has successfully applied for the fellowship examination and seeks financial assistance to undertake or complete the approved training program.

A Fellowship Research Grant of \$3,000 will be awarded to a person performing research as part of a Fellowship training program approved by the College. The aim of the grant is to support either the research itself or analysis of results (e.g. statistical consultation).

The Meritorious Service Award is presented to reward a member or fellow of the College, who has consistently and tirelessly contributed to the College through voluntary service at chapter or higher level.

The Most Commendable Paper in an International Journal is awarded to highlight the scientific contribution members of the College make to the veterinary community internationally. This award will be specifically aimed at journal articles that provide insight to the pathogenesis of a disease condition, or substantially alter the treatment or prevention of disease.

The Membership Travel Grant is to reward an active member of the College, who is not in training in a fellowship program, attend an international veterinary event that will be of benefit to the individual professionally, as well as be of benefit to the chapter to which they belong.

The closing date for all Awards is **31 March 2017**. Nominations should comply with the relevant criteria available on the College website, and should be forwarded to the College office either by email admin@anzcvs.org.au or mail. For assistance please contact Dr Zoe Lenard, Chair of the College Awards Committee, by directing your enquiry through the College office.



ADVERTISING

Advertising by third party Continuing Education Providers and Positions Vacant advertisers must be pre-approved by the CEO and incurs the following charges:

Advertising on the College website for thirty days will be charged at \$A400 plus GST for non-members and companies and \$A300 plus GST for members, veterinary practices and institutions when the advertisement is requested by a member of the College.

Advertising via email broadcast will attract all of the following fees and charges plus GST:

- administration charge of \$A400 (\$A300 for members, veterinary practices and institutions when the advertisement is requested by a member of the College)
- email distribution fee of \$A90
- cost of emails sent

Advertising in the College Courier will be charged at \$A500 plus GST for non-members and companies and \$A400 plus GST for members, veterinary practices and institutions when the advertisement is requested by a member of the College. This rate is applicable for a quarter page advertisement in the e-Courier.

All charges will be linked to CPI from 1 March 2018

All advertisements by Continuing Education Providers and Positions Vacant advertisers will be accompanied by the relevant disclosure as follows:

Continuing Education Disclosure:

The Australian and New Zealand College of Veterinary Scientists (The College) hereby provides information about continuing veterinary education activities conducted by organisations within its region that share its objectives, provided there are clear benefits through doing so for the College, its members or College examination candidates. Participation in continuing veterinary education activities referred to on this page shall not be a prerequisite for sitting College examinations and shall not be taken as assuming success at College examinations. Cooperation between The College and CVE organisations who share its objectives shall not be exclusive. The College and its Chapters shall

remain autonomous at all times. The College and its Chapters shall not endorse or promote a company or its products. College activities and College standards shall not be influenced by commercial issues or commercial considerations.

Positions Vacant Disclosure:

The Australian and New Zealand College of Veterinary Scientists (The College) distributes information about employment opportunities as a service to its members. The contents and wording of this advertisement have been compiled by the advertiser and in no way reflect an endorsement of the advertiser or the job opportunity by the College, its officers or its employees. Positions Vacant advertisements are accepted for publication on condition that the advertiser indemnifies the College, its officers and employees. The advertiser is solely responsible for all actions, suits, claims, loss and/or damages resulting from anything distributed by the College on its behalf.

CORRECT USE OF COLLEGE ACRONYM

The correct acronym for the Australian and New Zealand College of Veterinary Scientists is ANZCVS.

Members who gained membership prior to July 2011 may elect to adopt the current postnominals if they wish (MANZCVS or FANZCVS), or continue to use the old postnominals if they prefer. Members who gained membership after July 2011 must use the current postnominals (MANZCVS or FANZCVS).

It has come to our attention that the postnominals are sometimes incorrectly appended. Please note that there is NO lower case "c" at the end of MANZCVS or FANZCVS.



EXECUTIVE OFFICER'S REPORT

Examiners' Workshop & Electronic Examinations System testing

The 4-5 February saw another highly successful Examiners' Workshop take place at the QT Hotel on the Gold Coast – this workshop is proving invaluable in the development of examinations each year and we appreciate the time participants take to attend. As holding examinations are the core of what the College does it is essential that we continue to maintain the highest of standards.

Also the workshop presented the first opportunity to undertake a large-scale test of the new Examination Results Recording System ("ERRS"); so a big personal thank-you to all the examiners involved. The test was particularly useful in determining how the IT infrastructure involved would cope with running the ERRS, and the developers have obtained some valuable information for the future. As a result of general feedback from examiners we will make some changes to the system's layout to make it more user friendly, and fix any problems that were identified.

This of course is only the first round of testing, and in the coming weeks I'll again ask these examiners to repeat the testing. I'd also like to involve all examiners if possible in the testing regime so that everyone has exposure to the ERRS before it goes live.

As always, thank-you to all the examiners and CEC/Standards Committee members who are contributing to the upcoming examinations. The College simply couldn't continue without your contributions. And if you're planning to sit an examination, good luck!

Welcome to the Veterinary Public Health Chapter

The Council has just approved a constitution for the creation of a Veterinary Public Health Chapter. Allen Petrey has led the drive to re-establish this Chapter and again offer examinations in future years. In order to establish the Chapter, a founding AGM will need to be held, so if you are interested in joining please keep an eye on the 'News' section of the College website for updates.

Chapter websites now available

At long last separate Chapter websites are now operational within the anzcvs.org.au site. Things to note about the websites include:

- the sites have been set up to keep consistent style and content limits between all Chapters, and within this each Chapter's web administrator can post whatever information, photos, documents and web links they think are appropriate
- the 'Administration' page contains details about the Chapter Executive, Science Week Convenor, CEC/Standards Committee members, and Website Administrator, as well as other information about the Chapter
- there are 'Events' and general 'News' pages, and
- there is a Chapter repository (ie a library) where documents and records can be kept and linked to.



CONGRATULATIONS DR LLOYD WHITTEN

The College would like to congratulate Dr Lloyd Whitten, Life Fellow and Past President (1973 -74) who celebrated his one hundredth birthday on 18 August 2016.

Dr Whitten graduated from the faculty of Veterinary Science at the University of Sydney before working for two years at the then CSIR in Sydney in parasitism. This was followed in 1941 by a role at the Wallaceville Animal Research Station in New Zealand, where he continued his work in the field. He spent most of his career there, apart from a period in Canada where he studied and obtained his PhD, and an FAO secondment to Turkey in 1965-67 to establish a sheep and goat disease laboratory.

The occasion of his birthday was well celebrated by friends and family from Australia and New Zealand.

(Excerpt from an article which first appeared in October 2016 Vetscript by Dr Bob Gumbrell)



DOUBLE X-RAY VIEWERS TO GIVE AWAY

The College has 8 double X-ray viewers (most with a hotlamp) that are no longer used, to give away for free. Anyone who wants one will be required to arrange collection from the College Office in Brisbane. Given their fragile nature, transporting them by courier might be problematic, but if you are willing to risk it you are welcome to try. The viewers are approximately 800 x 500 and are in separate cardboard boxes. If you're interested (or you have any ideas on organisations that might be interested) please contact the College office on 07 3423 2016 or email eo@anzcvs.org.au

NEW EXAMINERS

The Board of Examiners would like to actively support recent recipients of the Membership examinations in any subject to consider nominating as an examiner. We wish to encourage individuals who have not examined previously to register their interest with the College office. College Council and the Board of Examiners have developed several strategies to support new and inexperienced examiners to participate and develop skills in constructing and delivering examinations. These include pairing new examiners with more experienced examiners in examiner teams; including new examiners initially in an observer role and training new Examiners at our annual College Examiner Training Workshop. The College office has a register available and we would strongly encourage College members to contact the Examinations Officer, Ms Robyn Pettigrew at examinations@anzcvs.org.au



CHAPTERS

Animal Welfare Chapter

The Animal Welfare Chapter has as its theme for this year's Science Week program 'One Welfare - key drivers and new technologies'.

The concept of One Welfare recognises the interconnections between animal welfare, human wellbeing and the environment, and builds on the approach of the One Health theme with the importance of interdisciplinary collaboration and solutions.

The concept of One Welfare is not new. As professionals, veterinarians routinely develop an understanding of their clients, their patients or their audience and the social contexts that influence their lives so that a veterinarian on a routine farm visit, for example, is likely able to notice, advise or pick up on something apparently unrelated to the visit. Similarly, veterinarians are trained to be sensitive to the signs of animal abuse, owner and farmer ability to care for their animals and risk factors for treatment compliance. Furthermore, veterinary ethics and legislation relating to veterinarians describe a One Welfare concept. For example the oath recited by graduates in Veterinary Science at the University of Sydney states that they will 'practise veterinary science ethically and conscientiously for the benefit of animal welfare, animal and human health, users of veterinary services and the community'.

Veterinarians, in a range of roles will need to consider animal welfare broadly in the context of where the animals live or are kept and the related human factors of the caregivers. Human factors may include knowledge, skills, ability to implement knowledge and skills, mental health and financial considerations and other stressors. There may be situations and factors beyond the scope and skill set of a veterinarian, and it is important for veterinarians to recognize when other professionals or disciplines need to be consulted. Ultimately this may then lead to interdisciplinary collaboration and developing solutions for the benefit of both animals and humans. For example; collaborating with social services or psychologists on the complex issues of hoarding, farmer stress related livestock cruelty, indigenous health and dog management or new technologies for the owner ease of welfare monitoring. The One Welfare approach facilitates these existing and evolving interdisciplinary approaches.

Meanwhile, there is a need to reinvigorate and emphasise concepts that have been fragmented by specialisation within the profession and the concepts of One Health and One Welfare are also useful in providing holistic approaches for multi - disciplinary funding and research. The One Health concept has led to some excellent initiatives. As veterinarians and animal welfare advocates, we can learn from other disciplines and look forward to solutions, not yet realized, to complex welfare problems.

It is well known that poor states of human welfare are correlated with poor states of animal welfare. A One Welfare approach, therefore, has the potential to improve animal and human welfare in a range of situations leading to a reduction in animal and human abuse, pet ownership to address social problems such as loneliness, the welfare of research animals and staff, improved food safety and sustainability as a result of better animal welfare for farm animals, and increased biodiversity.

The Welfare Chapter program will focus on One Welfare in a broad sense with speakers from a range of areas addressing this topic, what is driving the concept, and how new technologies can be useful in improving animal welfare and human wellbeing. We have a significant number of speakers from New Zealand this year and think there will be something of interest for all members. We look forward to your participation and a rich discussion.

For further reading on the one welfare concept, please see the recently published article; Pinillos RG, Appleby MC, Manteca X, Scott-Park F, Smith C, Velarde A. One Welfare - a platform for improving human and animal welfare. *Veterinary Record* 2016;179:412-413 doi:10.1136/vr.i5470

Tanya Stephens. Secretary, Animal Welfare Chapter.



CHAPTERS

Veterinary Anaesthesia and Analgesia Chapter

Over the past few months we've been busy putting together another packed Science Week program for 2017.

This year we will be teaming up with the Radiology Chapter for half a day to discuss topics relevant to both of our sections. Ideal for anaesthetists to brush up on topics such as radiographic contrast agents, and how best to manage animals undergoing imaging procedures. We're looking forward to sharing knowledge, and learning from our radiology colleagues.

The remainder of our program will focus on equine anaesthesia and analgesia, with topics such as loco-regional anaesthesia, blood gas interpretation, and artificial ventilation. We will finish the conference with a lively debate on equine anaesthetic recovery techniques on Saturday afternoon.

A draft program will soon be available from our Chapter website and Facebook page ("Anzcvs Veterinary Anaesthesia & Analgesia Chapter"), so stay tuned.

In other news, our newly updated Memberships Guidelines are now available on the College website. Interest in joining our Chapter continues to grow, with five candidates enrolled to sit Membership examinations this year.

Hope to see you all in the Gold Coast in July!

Gabrielle Musk, Jen Davis, Leah Trope, and Thierry Beths

Ophthalmology Chapter

In July 2017, the Ophthalmology Chapter will hold its annual meeting in Darwin.

Darwin is the Northern Territory's multicultural capital, famous for its markets and festivals, Asian cuisine and beautiful natural harbour. It serves as the gateway to the natural treasures of World Heritage-listed Kakadu and Litchfield National Parks as well as the Tiwi Islands.

Kakadu National Park is the largest national park in Australia and is renowned internationally for its natural and cultural wonders. It boasts a superb array of flora and fauna with one of the highest concentrated areas of Aboriginal rock art sites in the world.

Other areas to explore include the Katherine region where a vast network of rivers, escarpments and gorges weave through sprawling plains of cattle stations, national parks and reserves. In Nitmiluk National Park, the mighty Katherine River slices through towering sandstone cliffs to form the world famous Nitmiluk (Katherine) Gorge.

We are currently confirming our guest speaker, a human corneal and oculoplastic surgeon.

This is the perfect opportunity for all those interested in veterinary ophthalmology to catch up with colleagues and to discuss all things eye related.

We hope to see you there!

For more information and expressions of interest please contact info@melbourneeyevet.com.au

Dr Anu O'Reilly
Secretary for the Veterinary Ophthalmology Chapter



CHAPTERS

Small Animal Medicine and Feline Chapters

In 2017, the Small Animal Medicine and the Feline Chapters of the College, with some input from the Oncology and Pharmacology Chapters, will be putting on a novel Science Week program. Maybe you could think of it as a Pythonesque program – And Now for Something Completely Different!

The program will kick off on Thursday morning with a young(er) speakers program – really a range of scientific presentations, including clinical case series and case studies, primarily by young career academics, enthusiastic GP vets and Interns and Residents doing training programs in Internal Medicine. All these talks are 15 mins plus 5 minutes for questions, a format often called 'Fast and Furious'. On Thursday afternoon we swap gears, making use of two overseas College examiners, Phil Bergman from the USA and Kit Sturgess from the UK, to talk on various oncologic themes (a review on onco-immunology, and cutting edge reviews on mast cell neoplasia and management of lymphoma in practice).

Friday is devoted to the theme of conducting clinical trials in practice – and we will be trying to capture traditional university research, individual research in general practice, and the increasingly common facilitated applied research approach in specialist and referral

practice. The topics are disparate and range from methocarbamol for tremors, new cancer treatments e.g. EBC-46 and cancer vaccines, to studies of new drugs and treatments. Phil Bergman will chip in with some cutting edge Oncology at the end of the day, including a talk on trials of Xenogeic cancer vaccines.

Saturday moves onto the last theme of the Conference – Zoonotic Diseases. We will compare and contrast certain diseases seen in people with those seen in animals, with a famous Qld infectious diseases physician (Jenny Robson) as the keynote speaker, and a state of the art Plenary from Siobhan Mor from the University of Sydney. Topics to be covered include the emerging entity Swine Brucellosis in dogs and people, Q fever, MRSA and MRSP, Angiostrongyliasis and Bartonellosis while Infection Control in Vet hospitals and antimicrobial resistance and stewardship will also be covered.

Thanks to Hill's Pet Nutrition for their ongoing and generous support of our Chapter which enables us to put on such a great program. We warmly welcome all Small Animal Medicine and Feline Medicine Chapter members to attend the Hill's cocktail party on Friday 8th of July, Stringray bar outside of the QT.

Seeking a computer-loving volunteer from the Small Animal Chapter

The Small Animal Medicine Chapter is seeking a technophile member who would be interested in being the contact person and content manager for the Chapter website. Could anyone interested please contact Mary Thompson on Mary.Thompson@murdoch.edu.au





CHAPTERS

Small Ruminant Chapter

WormBoss now provides worm control information for goats.

The WormBoss website has been a very useful resource for sheep producers and their advisers for many years. The website now includes information for goats: there are a number of goat-specific pages, including regional Worm Control Programs and Drench Decision Guides, as well as other pages that have a sheep or goat tab.

On request there is also a pdf booklet for vets only, about prescribing sheep drenches for goats. Contact the WormBoss team (tech-info@paraboss.com.au) for a copy of "Worm control in goats-advice for Australian veterinarians". See www.wormboss.com.au

FAMACHA© & Worm Control Course

The Small Ruminant Chapter President, Dr Sandra Baxendell, held a very successful FAMACHA © training course in Townsville in October. It was arranged by the Townsville & District goat club. A total of 36 goat owners attended, including some from the Atherton Tablelands and also places were offered to all the James Cook vet school students who wanted to attend, in exchange for help on the day. The Vet School generously allowed the use of a lecture theatre and their goats and yards as well.

All students passed their practical and got their certificates and were able to purchase FAMACHA© cards. Everyone had to look at goats and decide, based on Bath's 5 Point Check © examination, whether the goats should be drenched or not. These 5 points were developed by Dr Bath from South Africa and are:

- 1 FAMACHA © score (eye mucous membrane colour)
- 2 Condition score
- 3 Scouring (loose faeces)
- 4 Sleekness of the coat
- 5 Bottle jaw

There was also a display of how to do faecal egg counts, which are the best method of determining if goats need worming. However faecal egg counts can get expensive if done all the time. Frequent use of the 5 Point Check (c) can determine the best time to send away faecal samples.

The aim of both is to identify goats for targeting treatments. This means only drenching the goats that need it, which should slow the development of resistance.





CHAPTERS

Pharmacology



Dr Lauren Trepanier will be presenting at this year's science week. Lauren is double boarded in small animal medicine and veterinary pharmacology. She is a dynamic speaker and we look forward to her presentations on the Thursday and Friday of science week. Her topics will be:

1. Top ten potential drug interactions in dogs and cats

This talk will review what is known about common drug interactions in dogs and cats, and make recommendations to avoid potential loss of efficacy or drug toxicity.

2. Drug dose adjustment for disease

When should you reduce the dosage of a given drug in patients with kidney, liver, or cardiac disease? This presentation will provide tips for making these clinical decisions.

3. Empirical antibiotic therapy – making decisions without a culture

This session will provide guidance on avoiding overuse of antibiotics, practical ways to confirm the need for an antibiotic when culture is not affordable, and choosing the best antibiotic based on type and location of infections.

4. Idiosyncratic drug toxicities

How can you monitor for and manage unexpected drug toxicities in your patients? This presentation will focus on commonly used drugs that can cause idiosyncratic liver, skin, or bone marrow toxicity in dogs and cats, and how to monitor, prevent, and manage suspected reactions.

5. Rational use of pre-surgical antibiotics

This talk will review recommendations for the use of perioperative antibiotics in your patients, based on evidence from a large number of studies in humans, dogs, and cats, and will provide advice on antibiotic choice, timing, and duration of treatment.

6. NSAIDs: comparative toxicity and drug interactions

NSAIDs (non-steroidal anti-inflammatory drugs) are one of the most commonly used drug classes in veterinary patients. This presentation will cover which classes of NSAIDs are most likely to cause side effects in patients with gastrointestinal, renal, or clotting disorders, and will review common NSAID drug interactions

Surgery Chapter

As science week again rolls around for another year, 2017 sees the Surgery and Emergency and Critical Care Chapters combining for an engaging programme of lectures with the theme of emergency surgery and critical care. Both local and overseas speakers will be presenting on a variety of up to date topics relevant to practitioners who perform emergency surgery.

Again this year, a preliminary day on the Wednesday prior to science week is planned for all specialists, registrars and surgical trainees. The theme will be a case based discussion forum with examination of the current literature presented by local specialists.

For trainees and those undertaking research, the young speaker's forum is open for candidates to present material from across the discipline. For anyone interested please contact Dr Alastair Franklin, Chapter secretary, at alastairfranklin@yahoo.co.uk

Further to the list of successful membership candidates for 2016, an apology for the omission of Dr Stephanie Zurek-Haidamous, whom we also welcome to the chapter after successfully passing her examination in surgery.

We are very much looking forward to an engaging and exciting programme in association with the Emergency and Critical Care Chapter in July. For information regarding the upcoming meeting, please contact the Chapter president – Dr Steve Fearnside at stearnside@sashvets.com



CHAPTERS

Cattle Chapter

The Cattle Chapter members are very pleased to see that we have over a dozen people sitting for memberships in Medicine of Dairy Cattle, Medicine of Beef Cattle or Animal Nutrition (Ruminant). Thank you very much to the CEC and examiners who will be putting time into making this happen.

We also have another exciting program planned for Science week this year. The theme of the conference “Building the future – management of calves and heifers”. The keynote speaker is Sandra Godden. Sandra is from the University of Minnesota, and is internationally recognised for her work in calf health and mastitis. There are several other speakers on dairy calf management including Gemma Chuck who will focus on the impact of colostrum management and early life events on lifetime productivity. Heifer development will be discussed by several speakers including Matt Playford and Steph Bullen. Our other keynote speaker is Vic Cortese who will present on immunology and vaccination of calves and feedlot beef. There will be a BRD Research update by John Morton and Tim Mahony and the Emerging scientists stream with several speakers presenting

on the latest results from their post-graduate research. To top it off Mark Burgemeister will present a 90 minute workshop on ‘The Art of War’! - Applying Sun Tzu’s Bing Fa (‘Sun Tzu’s - The Art of War’) to the strategy of leading and working with teams. The program will be out soon so when you are considering your CPD investment for the year, please consider the congeniality and mild climate of the Gold Coast in July as well as a really interesting program. If you are a senior practitioner we would also appreciate you telling your associates as you don’t have to be a member to come to Science week.

Finally the chapter now officially has a website – we haven’t done anything much with it yet, but if you are either interested in being the chapter administrator or if you have ideas about what should be there could you please let me know.

Many thanks.

Alison Gunn, Chapter President





THE AUSTRALIAN AND NEW ZEALAND COLLEGE OF VETERINARY SCIENTISTS SCIENCE WEEK EPIDEMIOLOGY CHAPTER PRE-CONFERENCE WORKSHOP

FOUNDATION PRINCIPLES IN R - WORKSHOP PETER THOMSON SHUMAILA ARIF

3rd–5th July 2017
at the QT Hotel, Surfers Paradise

Some background on R

The computing and statistical package R (<https://www.r-project.org/>) has become very popular globally, because of the extensive range of statistical analysis functions, data management capability, and exceptional graphics. It is also freely available to the world community, and continues to be expanded, having just reached 10,000 additional packages being made available, with a broad range of applications (e.g. genetics, epidemiology, spatial analysis, text mining). There are also a huge number of resources for learning about how to use R, and most modern textbooks of applied statistics now illustrate applications using R in preference to other packages. An important feature of R is that it is command-driven, i.e. it is run by using code rather than being a menu-based system. While this may seem difficult, and takes a little more time to learn than a menu-based 'point and click' interface, there are substantial benefits of this approach, and code can be often re-used or modified for different applications.

The three-day workshop to be held in conjunction with Science Week will provide a "hands on" introduction to using R. The emphasis in this workshop will be on using R rather than on statistical methodology, so some familiarity with statistical procedures is assumed.

At the completion of this workshop, participants will be able to:

- Input and output data files to / from R, and perform basic data manipulations
- Undertake descriptive analyses in R (numerical and graphical)
- Fit linear models in R, as well as some extensions (e.g. logistic regression)
- Be able to produce publication-quality graphs in R
- Undertake basic programming tasks in R, including looping construction of functions

Interested? Now is a great time to get started!

Who will benefit from this workshop?

- Researchers working with large and complex data sets
- Those who want access to high-quality graphics and cutting-edge statistical techniques
- Those who want high-quality free software
- Anyone who wants to be part of an increasing world-wide trend in the way data are analysed



PRE-CONFERENCE WORKSHOP

FOUNDATION PRINCIPLES IN R - WORKSHOP

Workshop details

The workshop will run over three days. A final course schedule will be provided to the participants after registration as we aim to tailor the workshop to the background and experience of our participants. A draft program follows.

Day 1

- Introduction to R
- Basic calculations in R
- Importing data from files, exporting data to files
- Types of data: vectors, matrices, data frames
- Descriptive analyses: numerical and graphical
- Simple analyses: e.g. t-tests; chi-square tests, exact tests

Day 2

- Analysis of variance (ANOVA)
- Regression modelling: linear and logistic
- Assessing model fit
- Linear mixed models for clustered data[†]

[†] Depending on the interests of participants and progress during the day

Day 3

- Introduction to programming in R: looping, logical structures
- Writing functions in R
- Making publication-quality graphics
- Additional types of models: e.g. nonlinear models, survival analysis, ordinal analysis[‡]
- Discussion and analysis of own data sets[‡]

[‡] Depending on the interests of participants, the final session could cover either of these topics

Speaker Biographies

Peter Thomson is an Associate Professor in Biometry at The University of Sydney, having spent most of his career working in the application of statistical methodology in the veterinary, animal and agricultural sciences. He has extensive teaching experience in applied statistics, including teaching of R, both locally as well as overseas in international agricultural development projects. He will be leading these sessions.

Shumaila Arif is a veterinarian from Pakistan, and is currently undertaking a PhD at Charles Sturt University in Wagga Wagga, studying the epidemiology of brucellosis in smallholder dairy farms, particularly through a 'one health' approach. She has had a strong quantitative emphasis in this research, and has used R from the beginning of her studies. Shumaila will be assisting with the 'hands on' sessions.

Limited enrolment

This workshop will be interactive and involve group discussions and activities. As a result there will be limitations on the number of people who will be able to attend. Interested participants are urged to enrol early to ensure they will be able to attend.

Registration and price details

ANZCVS Member, Student, Candidate preparing for membership exams

Early Bird (up to 28.04.17) _____ \$825
After 28.04.17 _____ \$925

Non ANZCVS member

Early Bird (up to 28.04.17) _____ \$975
After 28.04.17 _____ \$1075

The registration fee includes notes, morning and afternoon teas and lunches.

A registration form is attached.

For more information about this course, please contact:

Marta Hernandez-Jover mhernandez-jover@csu.edu.au



AUSTRALIAN AND NEW ZEALAND COLLEGE
OF VETERINARY SCIENTISTS SCIENCE WEEK - EPIDEMIOLOGY CHAPTER

PRE-CONFERENCE WORKSHOP REGISTRATION

Foundation Principles in R - Workshop

3rd-5th July 2017 – QT Hotel, Surfers Paradise

SURNAME: _____ FIRST NAME: _____

ADDRESS: _____

PREFERRED NAME FOR TAG: _____

TELEPHONE NO: _____ FAX NO: _____

EMAIL ADDRESS: _____

COLLEGE MEMBER: YES NO

DIETARY REQUIREMENTS: _____

TAX INVOICE - ABN 50 000 894 208

I will be attending the workshop and enclose (please tick box) in payment:

**ANZCVS Member, Student, Candidate
preparing for membership exams**

Early Bird (up to 28.04.17) _____ \$825
 After 28.04.17 _____ \$925

Non ANZCVS member

Early Bird (up to 28.04.17) _____ \$975
 After 28.04.17 _____ \$1075

(Cost is in total Australian Dollars including GST)

Direct deposit is the preferred mode of payment:

ACCT NAME: Australian and New Zealand College of Veterinary Scientists Epidemiology Chapter

BSB: 032729 **ACCOUNT NUMBER:** 174503

Please include your surname in the payment reference. Overseas participants, please be aware of bank charges and exchange rates to ensure the correct fee is paid.

Cheque payable to:

Australian and New Zealand College of Veterinary Scientists-Epidemiology Chapter

Bankcard / Mastercard / Visa (2% administration charge for credit card payments)

CARD NO: _____ EXPIRY DATE: _____ CW _____

NAME ON CARD: _____ SIGNATURE: _____

Please forward registration and payment by email (preferred) or post to:

Francette Geraghty-Dusan
474 Plains Road, Hoskinstown, NSW, 2621

francettegd@yahoo.com

Invoices will be processed monthly



DR TERRY KING RECOGNISED

Dr Terry King was awarded the T.G. Hungerford Award for Excellence in Post Graduate Education for 2016. This award acknowledges those who have made a notable contribution to continuing veterinary education. He was presented with the award by Dr Hugh White, Director of the Centre for Veterinary Education. An extract of Dr White's address follows by permission.

Terry King was born and raised in Townsville, North Queensland. He graduated with a Bachelor of Veterinary Science from the University of Queensland in 1975. After 19 years in private practice in Brisbane's north western suburbs and a year spent between the USA and Brisbane's Animal Emergency Centre, where he honed his skills as a criticalist, Terry joined the University of Queensland Veterinary Teaching Hospital in late 1995 as a medical resident. A meteoric progression, based on clear and early demonstration of outstanding clinical acumen, combined with leadership and management skills, led to his appointment as the Director of the Clinic and Hospital from 1997 to 2002.

In March 2002 Terry joined the team at Veterinary Specialist Services (VSS) as a Partner and Director. Terry and Bruce Mackay developed the medicine service from the perspective of two guys who had started out in general practice, so they never took GP vets for granted. Terry was happy to call himself a 'good vet' (or a generalist), although without any doubt he has performed at the specialist level, straddling the boundary between mainstream investigative internal medicine and critical care.

Terry gained his Membership of the Australian College of Veterinary Scientists in 1996 in Emergency and Critical Care and has been a regular presenter at College Science Week. He was a Councillor at the College from 2004-2006 and the secretary/treasurer of the Anaesthesia, Emergency & Critical Care Chapter for many years. It is a testament to his stature that the Australian and New Zealand College of Veterinary Scientists looked to Terry to take over as Science Week convener after the legendary Geoff Robbins stood down.

In relation to the CVE, Terry has been, to borrow Lis Churchward's words, "a staunch supporter". In 2005, Terry was awarded a Certificate of Recognition from the Post Graduate Foundation in Veterinary Science, University of Sydney, for dedication to continuing professional development and as a generous supporter of the veterinary profession.



The Tom Hungerford Award has been given to many distinguished veterinarians over the years. Most have been from a traditional academic or veterinary specialist background. Although Terry doesn't fit into that mould, he fits into the mould first established by the great man himself. Tom Hungerford was a talented generalist who was passionate about improving the quality of veterinary practice through establishing innovative approaches and nurturing ongoing training for veterinarians. Tom would approve of Terry for this prestigious award, for Terry has strived for best practice through thoughtful, compassionate care of animals and their owners, and through encouraging and mentoring students and colleagues to achieve their full potential.

Terry is a most deserving recipient of the TG Hungerford Award for 2016 and it gives us great pleasure to present him with a limited edition minted gold and silver coin from the Melbourne Mint, celebrating the goanna. This is a particularly appropriate memento given Tom Hungerford's frequent reference to the "Goanna Track to Success", which Terry has undoubtedly pursued throughout his career.

**Presented by Dr Hugh White, CVE Director
Thursday 27 October 2016**



Membership Travel Grant 2016

The ANZ College is proud to have awarded Dr Mark Westman the College Travel Award for 2016. Dr Westman recently attended the International Society for Companion Animal Infectious Diseases (ISCAID) Conference in Bristol where he gave two oral presentations and presented two posters.

Dr Westman writes "I just wanted to say thank you again to the College for awarding me a Membership Travel Grant to be at this ISCAID conference. I gave two oral presentations yesterday and have also presented two posters. I couldn't have done it without the College's support - so thank you for supporting your members, please know how appreciative I am!"

The College Travel Award is designed to reward a newly active member of the College, who is not in training in a fellowship program, to attend an international veterinary event that will be of benefit to the individual professionally, as well as be of benefit to the chapter to which they belong.

For more information regarding the award, please visit the College website.



Dr Mark Westman

2016 Membership Travel Grant Recipient



AUSTRALIAN CHIEF VETERINARY OFFICER REVIEW

The Office of the Chief Veterinary Officer, led by Dr Mark Schipp, the Australian Chief Veterinary Officer (ACVO), will be undertaking the ACVO Review in the first half of 2017. The ACVO Review will consider how the ACVO's ability to coordinate with Australia's animal health stakeholders can be improved, address the gaps in our systems and the immediate and longer-term policy issues relevant to Australian animal industries. The review will provide recommendations on a new approach to coordination and regular communication that will benefit all stakeholders. A number of activities are occurring as part of the review, including an online survey and stakeholder workshops. If you have 10 minutes to comment on the priority issues for animal health in Australia it would be

appreciated if you could complete the survey which can be found at: <https://www.surveymonkey.com/r/Z8MN3ZY>

The input received from the survey and at workshops to be held early this year will contribute to the development of the priority issues that the ACVO should vigorously pursue, both domestically and internationally, to ensure that Australia's biosecurity systems meet current needs, delivers valued outcomes to its stakeholders and withstands increasing pressures in the future. If you're interested in hearing more about the review please contact Dr Phoebe Readford (phoebe.readford@agriculture.gov.au or 02 6272 3354).

**VETERINARY SPECIALIST SERVICES
ANNUAL CONFERENCE**

**2017 RYDGES
Southbank QLD**
Tues 2nd - Sun 7th May

VSS

For info visit:
www.vssconference.com

CONTINUING VETERINARY EDUCATION DISCLOSURE

1. The Australian and New Zealand College of Veterinary Scientists (The College) will provide information about continuing veterinary education activities conducted by organisations within its region that share its objectives, provided there are clear benefits through doing so for the College, its members or College examination candidates.
2. Participation in continuing veterinary education activities referred to on this page shall not be a prerequisite for sitting College examinations and shall not be taken as assuming success at College examinations.
3. Cooperation between The College and CVE organisations who share its objectives shall not be exclusive.
4. The College and its Chapters shall remain autonomous at all times.
5. The College and its Chapters shall not endorse or promote a company or its products.
6. College activities and College standards shall not be influenced by commercial issues or commercial considerations.



AUSTRALIAN AND NEW ZEALAND COLLEGE OF VETERINARY SCIENTISTS

NOMINATION OF COUNCILLORS 2017 - 2020

FULL NAME OF NOMINEE¹ _____

RESIDENTIAL ADDRESS¹ _____

DATE AND PLACE OF BIRTH¹ _____

I agree to stand for election for Council 2017—2020 _____

Signature

Proposer² _____ Proposer² _____

Block letters

Block letters

Signature

Signature

Please include a personal statement of the nominee (no greater than 100 words) and return to the Executive Officer, ANZCVS, Building 3, Garden City Office Park, 2404 Logan Road, Eight Mile Plains, Qld. 4113, Australia.

CLOSING DATE FOR RECEIPT OF NOMINATIONS: 19 MAY 2017 RESPONSIBILITIES OF COUNCILLORS

1. Councillors should hold copies of and be familiar with the current Constitution.
2. Councillors have an obligation to participate actively in College affairs and activities and to this end should familiarise themselves with the decisions of the Council and Board of Examiners by reading all Minutes, Policies, Memoranda and Reports distributed by the College Office. Councillors should respond to College issues raised in these documents.
3. Councillors should maintain an active interest in the affairs and activities of the College and its Chapters and provide an avenue of liaison and guidance.
4. Councillors have an obligation to attend in-person Council meetings and the Annual General Meeting where fares, accommodation and necessary meals are paid by the College.
5. Councillors should act as ambassadors for the College by promoting membership and fellowship.
6. Councillors have the same legal responsibilities as the directors of any company of limited liability.
7. All elected Councillors must be prepared to offer themselves for office.
8. Councillors will receive extensive support from College management staff, plus training in corporate governance.

¹ Details required by the Australian Securities and Investments Commission. ² Must be a current member of the College



CONTACTS

Executive Officer: Mr Kim Hudson

College Manager: Mrs Elaine Lowe

College Manager Designate: Dr Mary Anne Hiscutt

Examinations Officer: Ms Robyn Pettigrew

Assistant College Manager: Miss Sharon Tinsley

COUNCIL

President: Dr Amanda Burrows

Chief Examiner: Dr Tias Muurlink

Honorary Secretary: Dr Wayne Ricketts

Honorary Treasurer: Dr Bruce Smith

Past President: Dr Caroline Mansfield

Councillor: Dr Philip Moses

Awards Committee Convenor: Dr Zoe Lenard

BOARD OF EXAMINERS

Chief Examiner: Dr Tias Muurlink

Asst Chief Ex (Tr. & Cred.): Dr Peter Bennett

Asst Chief Ex (Exam): Dr Carolyn Guy

Dr Sharanne Raidal

Dr Katherine Briscoe

Dr Gabby Musk

Dr Stephen Atkinson

Dr Linda Abraham

Dr Jennifer Carter

Dr Amanda Burrows (President – ex officio)

NEW ZEALAND CONTACT:

Dr Wayne Ricketts

Telephone: +64 27 475 9232

Email: wayne.ricketts@vetcouncil.org.nz

Australian and New Zealand College of Veterinary Scientists

Building 3
Garden City Office Park
2404 Logan Road
EIGHT MILE PLAINS
QLD 4113

Telephone: (07) 3423 2016

Fax: (07) 3423 2977

Email: admin@anzcvs.org.au

Website: www.anzcvs.org.au

College Apparel

COLLEGE MERCHANDISE

T SHIRTS \$A25.00 INCLUDING GST
VESTS..... \$A35.00 INCLUDING GST
SILK SCARF \$A20.00 INCLUDING GST
TIES \$A45.00 INCLUDING GST
PENS \$A15.00 INCLUDING GST
(Merchandise orders will incur postal charges)

**Contact the College office to place your order:
(07) 3423 2016**