Contents

President’s Address ........................................................................................................ Page 2

Overview of WAAVP 2015, Liverpool, UK ............................................................... Page 4

2015 General Business Meeting Report ................................................................. Page 9

Conference Award Winners ...................................................................................... Page 11

Honorary Memberships ............................................................................................ Page 14

Your New EC Members .............................................................................................. Page 16

2015 Nobel Prize for Medicine .................................................................................. Page 19

Past President Interview ............................................................................................ Page 20

African Foundation Awardees .................................................................................... Page 21

WAAVP 2017, Kuala Lumpur, Malaysia ..................................................................... Page 25

WAAVP 2019 First Conference Announcement ....................................................... Page 28

WAAVP Information ................................................................................................ Page 29
President’s Address

Here we are with my first go at a new and exciting challenge. I am delighted to be the President of this great and distinguished entity. No doubt there are a number of things that I have yet to experience and yet several old ones that I have met before. Let’s have some fun while I deal with both the new and the old.

First, I must give my best wishes and my thanks to Dr Peter Holdsworth for his efforts and his commitment to the WAAVP. Fortunately, Peter will continue to be with us for the next four years giving freely of his wise counsel as the past-President.

Next I wish to give a most heartfelt thank you to Bill Pomroy and Chandrawathani Panchadcharam as they leave the Executive Committee. Their years of service to the WAAVP and the Executive are greatly appreciated. Bill – we hope that your retirement will bring you good health and some great fishing adventures. Chandra – you can now relax; but only for a moment, as the next conference is in your careful hands.

A big thank you to Jozef Vercruysse and to Tom Kennedy. Both have served as past Presidents and have completed their terms. Both have gone on to new and exciting ventures that will hopefully be mostly entertaining. Tom Kennedy has not left completely as he has taken on the role as coordinator for the 2019 WAAVP bid in Madison, Wisconsin. This is a role not unfamiliar to Tom and having his home town as the venue will provide some excitement.

We welcome two new members to the Executive Committee: Rueben Sharma from the Universiti Putra Malaysia and Domenico Otranto from the University of Bari, Italy. I know Rueben is heavily involved with helping plan the upcoming conference in Malaysia. Domenico, a normally busy gentleman, will no doubt become even busier. We also welcome the two new Vice-Presidents with Barry Hosking (VP1) and Carlos Lanusse (VP2) taking on their roles for the next four years. Richard Wall has taken the baton from Bill Pomroy as the new Secretary/Treasurer. I look forward to working closely with all of you during the course of the next few years. It is an exciting time to be a part of this Association and our Executive team will contribute to our continued success.
We have just finished with the biannual conference and what a conference it was in Liverpool. This would be a great time to send a tremendous thank you to the organisers, Lord Trees and Dr Diana Williams, and their incredible teams who organized such a great gathering. To start at the end, the organizers provided an absolutely wonderful evening in Liverpool Cathedral. It was both a stunning venue and a beautiful conclusion to the conference. Over the course of the preceding days the organisers had set a scientific program that focussed on many of the young, up-and-coming researchers of our community. It was outstanding and certainly bodes well for the future of our group.

This year’s conference started with the CARS gathering which was completely subscribed. This meeting, held prior to the start of each WAAVP conference, has continued to grow since its inception and will likely be full to capacity for several more as they approach some old problems with some very innovative solutions.

We are now focussed on the next two years and getting prepared for the next conference in Kuala Lumpur. It will no doubt be exhilarating and challenging but it will be a very fascinating journey. The ambitious local organising committee has outlined plans for a fabulous meeting and we are really looking forward to WAAVP venturing to southeastern Asia.

The WAAVP gathering brings together a large and diverse group that has, over the years, formed a close supportive community. For me this is an aspect of the WAAVP that is a treasure.

Lastly, if any members have concerns they want to discuss or if they want to bring something to the attention of the Executive Committee, please do not hesitate. We welcome your feedback.

Good luck, good fortune and farewell until I have the privilege of gracing these pages again.

Dr Douglas Colwell
WAAVP President
The 25th International Conference of World Association for the Advancement of Veterinary Parasitology, Liverpool, United Kingdom

The 25th International Conference of World Association for the Advancement of Veterinary Parasitology (WAAVP) was held successfully at The Arena and Convention Centre Liverpool from 16th to 20 August 2015, in association with the University of Liverpool.

The main theme for the conference was “Looking to the Future”, with 11 smaller themes running through five days, which included Drug and drug resistance, Climate change, Epidemiology and modelling, Novel approaches to chemical and non-chemical control (endo- and ecto-parasites), Vaccines and Immunology, as well as currently relevant topics on One Health.

There were four plenary speakers and 23 keynote speakers; who were prominent and world renowned veterinary parasitologists from countries all over the world. These gave participants a rare view of the current trends in parasitology up close.

The Executive Committee held its meeting with Dr Peter Holdsworth as President and several key issues were discussed including future programmes for WAAVP and election of the next president. Our Congratulations to Dr Douglas Colwell who was elected as the next President and Professor Richard Wall who will be taking over as Secretary /Treasurer. We also welcome two new members Dr Reuben Sharma (Malaysia) and Professor Domenico Otranto (Italy).

Delegates from 56 countries participated in this conference, including Malaysia. This conference was particularly important as delegates from the Malaysian Society of Parasitology and Tropical Medicine (MSPTM) were actively promoting the next WAAVP conference, which is to be held in Kuala Lumpur, Malaysia from 4-8 September 2017.

The Malaysian team set up a booth and was also allowed to give a presentation to promote the upcoming WAAVP during the closing ceremony. On-site super early bird registration was also encouraged and little fridge magnets were given out to visitors to the booth to remind them of the upcoming event in 2 years.

We hope to see you in Malaysia 2017! For further info please go to website www.waavp2017kl.org.

By Khadijah Saad & Chandrawathani, Malaysia
WAAVP 2015 Photos

The three immediate past presidents aka “the three musketeers” (credit Jozef Vercruysse)

The following photos were taken at WAAVP 2015, credit to WAAVP 2017 – AOS Conventions & Events Sdn. Bhd
1. **Call to order**

   **Welcome:** Dr Holdsworth welcomed everyone at 12 noon; introduced himself and tabled the GBM agenda.
   - Dr Holdsworth highlighted the 2 scrutineers present for the meeting being Drs Maggie Fisher and Barry Hoskins. Dr Fisher also took minutes of the meeting.
   - Dr Holdsworth read out the names of 3 members/colleagues who had died since our 2013 AGM. They were Laerta Grisi, George Gettinby and Allan Roeopstorff. Dr Holdsworth then called from the meeting floor for any additional names to be added to the list. No names were offered. All in attendance stood for 1 minute of silence to reflect on the memory of deceased members.

2. **Secretary Report**

   Dr Holdsworth informed the members that the WAAVP Secretary/Treasurer – Dr Bill Pomroy – was ill and unable the travel to our conference this year. All present wished Bill a full recovery. In Bill’s absence, Dr Holdsworth presented his reports and informed members that a copy of the reports will appear in the next edition of the WAAVP newsletter on our website. No significant correspondence had been received since our 2013 conference with the exception of communication from ESCCAP seeking a letter of support from WAAVP. This request is being dealt with at present by the WAAVP Executive Committee. Approximately 390 members have renewed membership over the past 2 years. The WAAVP website has been relatively trouble free over the last 2 years and is still maintained from New Zealand. The Secretary Report was formally tabled to members for acceptance with no objections recorded.

3. **Treasurer Report**

   Again in Dr Pomroy’s absence, Dr Holdsworth presented this report, reminding members that a full report will appear as part of the next WAAVP newsletter on our website. The WAAVP financial activities focus around 2 bank accounts – the WAAVP Cheque Account and the Peter Nansen Young Scientist Award (PNYSA) Account.

   The WAAVP Cheque Account had a starting balance on 29-Jul-13 with US$74,030.99 and ended with a closing balance on 30-Jun-15 of US$75,890.48. Additional to this was US$15,679.56 which resides in the PayPal account. Over the last 2 year period, income in the account totaled US$42,398.61 and outgoings totaled US$40,545.74. All transactions have accompanying receipts.

   The report was formally tabled to members for acceptance with no objections recorded.

   The PNYSA Account had a starting balance on 15-Aug-13 of US$55,499.36 and ended with a closing balance on 30-Jul-15 of US$49,570.49. Over the last 2 year period income in the account totaled US$47.99 and outgoings totaled US$5,928.01. All transactions have accompanying receipts. The report was formally tabled to members for acceptance with no objections recorded.

4. **Overview of 25th Meeting and Scientific Program**

   Lord Trees and Dr Diana Williams gave a verbal update of the conference to date and what was planned for the remainder of the conference.

5. **President’s Report**

   5.1 **Introduction of the Executive Committee (EC) – Thank you to retiring EC members:** Dr Holdsworth introduced the full EC membership by name. He then highlighted that Drs Pomroy; Panchadcharam and Kennedy step
down from the EC as of the conclusion of this conference. Dr Holdsworth thanked all of them and highlighted specific contributions that each had brought in their term on the EC.

5.2 Election to Executive Committee: Dr Holdsworth detailed the requirements in the WAAVP Status that require the 2 longest serving members of the EC to stand down every 2 years and the election process we go through to replace them. This time round 3 WAAVP members were nominated for consideration to fill the 2 pending EC vacancies. Members were offered the opportunity to vote for up to 2 or the 3 candidates in the voting process. The outcome of the vote was officially informed to members with Domenico Otranto and Rueben Sunil Sharma being announced as the incoming EC members.

Dr Holdsworth informed membership that as required by the WAAVP statutes he will stand down as President at the conclusion of this conference completing his 4 year Presidential term. He further informed membership that at the WAAVP EC meeting held on the preceding Saturday/Sunday that a vote was held, according to WAAVP Statutes for a new President and similarly a new Secretary/Treasurer. The outcome of that voted was announced as Dr Doug Colwell as the new incoming President and Dr Richard Wall as incoming Treasurer/Secretary. It was further announced that Dr Colwell’s choice for 1st Vice President was Dr Barry Hosking and the name of the second Vice President was to be announced in due course.

Dr Holdsworth took the opportunity at this point to update membership on the status with the WAAVP African Foundation Trust in the absence of Dr Tammi Krecek and her colleagues. Dr Holdsworth reminded members of the history and establishment of the Foundation, its financial situation and that 7 travel scholarships were offered for this Liverpool conference of which 5 were able to be taken up. A full report will appear in the next WAAVP newsletter on our website.

6. Antiparasitic Guidelines
Dr Fisher gave a verbal report on the status of the WAAVP guideline sub-committee and the work it oversees. A full report will appear in the next WAAVP newsletter on our website.

7. Newsletter
Dr Fisher gave a verbal report on the delivery of 4 WAAVP newsletters since our last conference in Perth in 2013.

8. Report of the 24th WAAVP Conference, Perth, Australia
On behalf of Prof Andrew Thompson and Dr Brown Besier, Dr Holdsworth offered a verbal summary of the final report tabled on the Perth conference. A copy of the final report will be tabled on the WAAVP website.

9. Announcement 27th WAAVP Conference
Dr Holdsworth announced that the 27th conference scheduled for 2019 is planned to be held in Madison, Wisconsin, USA and Dr Tom Kennedy has offered to co-ordinate the conference development. Dr Kennedy supplied a brief overview of the proposal.

10. Invitation: 26th WAAVP Conference, Kuala Lumpur, 2017
Dr Holdsworth reminded members of the venue for our 2017 conference and invited Dr Panchadcharam to deliver the invitation. Dr Panchadcharam presented the invitation.

11. Adjourn business meeting
Dr Holdsworth brought the meeting to conclusion at 12.32pm.
About the WAAVP-Bayer Award
The WAAVP-Bayer Award is presented for outstanding research contributions to the field of veterinary parasitology. Bayer Animal Health, in cooperation with the Executive Committee of the WAAVP presents this award to encourage the successful future of veterinary parasitology. The WAAVP-Bayer Award winner is selected by an independent WAAVP committee. The award consists of recognition of the award and a 10,000 € prize and is presented at the biennial WAAVP International Conference.

Professor Carlos E. Lanusse PhD
2015 WAAVP-Bayer Award recipient for:
Excellence in Research
in Veterinary Parasitology

The Committee Decision
Dr Carlos Lanusse is a full Professor of Veterinary Pharmacology at the Universidad Nacional del Centro, Tandil, Argentina, Director of the Center for Veterinary Research (CIVETAN) and Director of the Science and Technology Center from the Argentina National Council of Research (CONICET) at Tandil. He has had an outstanding research and academic career in veterinary pharmacology oriented to improving the control of veterinary parasites. Dr Lanusse was trained as a veterinarian at the Universidad Nacional del Centro (Tandil, Argentina) (1982). Then he completed a first Doctoral degree in Veterinary Pharmacology from the Universidad Nacional de La Plata (Argentina) (1986).

After that doctorate, he completed a Ph.D. program at the Institute of Parasitology, McGill University, Montreal, Canada (1991) where he worked on the pharmacology of anthelmintics used to control veterinary parasites. Since 1992 he has been acting as Scientific Director of a research program on the “Pharmacology of antiparasitic drugs in ruminants”, which has received financial support from several national/international agencies. An important number of Ph.D. students and Fellowship recipients, some of which are now well established as reputed scientists in veterinary medicine, have received their training in Veterinary Pharmacology under Dr Lanusse’s supervision.

He is a global leader in addressing the control of veterinary parasites by understanding drug
pharmacological features and optimizing the use of veterinary anthelmintics. His global scientific leadership is reflected in requests for his expertise by organizations such as the US Center for Veterinary Medicine of the Food and Drug Administration, his contributions to programs to develop novel anthelmintic formulations for veterinary (consultant to the pharmaceutical industry) and human parasite (work supported by the Bill and Melinda Gates Foundation) through DNDi (Drugs for Neglected Diseases Initiative), his key participation in different scientific and international forums, (numerous invitations to deliver plenary / keynote lectures) and involvement in European Union research programs, his appointments to several reputed international journals’ editorial boards, to the Executive Committee of WAAVP, and the leadership as Chair of the Scientific Program Committee for the successful WAAVP Meeting in Buenos Aires in 2011.

Dr Lanusse and his colleagues have made fundamental contributions to our integrated understanding of plasma disposition kinetics, tissue distribution, biotransformation in the animal host and patterns of parasite influx / efflux / metabolism for different antiparasitic compounds in livestock animals. His contribution to the comprehension of pharmacokinetics of antiparasitic compounds has involved not only classical analyses of blood levels of these drugs, but determining their biotransformation patterns, the concentrations of the parental anthelmintic and that of its metabolites in various tissues and sites where parasites are found in the host. In addition, he has pioneered research to look at what is happening in the parasite itself in terms of active anthelmintic drug / metabolites concentrations and detoxification pathways. These studies have involved elegant in vivo and ex vivo studies. He has also contributed fundamental knowledge of the effects of inhibiting metabolism and transmembrane transport of anthelmintic drugs, at the parasite and tissue levels in the host. As he has been at the forefront of studying the interactions of antiparasitic drugs with their parasite targets, he has also applied his expertise to show ways in which novel formulations, transport modulation and drug combinations can improve efficacy and, in part, overcome anthelmintic resistance. In summary, his leading research has not only greatly contributed with basic pharmaco-parasitological knowledge about control of veterinary parasites, but has also been applied to improve the effectiveness and convenience of antiparasiticides and to reduce the effects of anthelmintic resistance.

His outstanding contribution to science have been recognized in many ways, including being the recipient of the Graduate Student Research Award of the American Association of Veterinary Parasitologists (1991), the Bernardo Houssay Award of the Secretaría de Ciencia y Tecnología, Argentina (2003), the Bayer Award in Veterinary Medicine from the Academia Nacional de Agronomía y Veterinaria, Argentina (2006). He was appointed a Member of the Argentina National Academy of Agronomy and Veterinary Sciences in 2009, was recipient of the Research Award of the American Academy of Veterinary Pharmacology and Toxicology in 2011, the Award of the Argentinian Society for Veterinary Medicine for his contributions to veterinary parasitology in 2011, the Bunge & Born Foundation Scientific Award for his contributions to veterinary medicine in 2011, the Konex Foundation Platinum Award as the top-leading scientist of the decade (2013), and the Houssay Award for scientific performance given by Centro de Estudios de la Industria Químico Farmacéutica, Argentina (2013), amongst other national / international recognition / awards. Carlos Lanusse has published well over 200 research papers in well recognized, peer-reviewed scientific journals and 32 book chapters and full conference proceedings (Scopus: 3150 citations, h index: 30; Google Scholar: 3930 citations, h index: 35).

Dr Lanusse clearly brings international credit to both veterinary pharmacology and parasitology research.
About the Peter Nansen Young Scientist Award

This award was established under the auspices of WAAVP to honour and perpetuate the memory of Professor Peter Nansen, Copenhagen, for his outstanding contributions to veterinary parasitology and, in particular, his great concern for and the encouragement of young, promising scientists in this field.

It is awarded to promising young professionals for innovative and outstanding research and is presented at the WAAVP International Conference biennially.

The award includes a cash award, a certificate and covers the costs associated with participation in the conference.

The Award Management Committee would like to express its gratitude and thanks to all private and corporate sponsors, who have generously donated funds towards this awarded.

Johannes Charlier

2015 WAAVP Peter Nansen Young Scientist Award Winner

Johannes Charlier has performed extensive research in cattle helminths with a strong focus on economic impact and individual, herd-level and regional diagnostics. By combining traditional parasite epidemiology with the development of novel tests, economic and social sciences, Johannes has strived to bring scientific results to practical use for vets and farmers.

While employed at Ghent University, Belgium, Johannes got extensive international research experience through the EU-projects PARASOL and GLOWORM. He recently joined a company, Avia-GIS, and will continue working on health information systems. Johannes holds a degree in veterinary science (2002) and Doctor of Science (2007) from Ghent University. He became Diplomate of EVPC by examination in the same same year.

His Ph.D. work on the diagnosis of helminths in dairy cattle through milk analysis led to 7 original research articles and facilitated the commercial development of ELISA-kits for Ostertagia and Fasciola on milk samples. Within the last decade he has published more than 50 papers in international peer-reviewed journals and is editor of the Parasitology section within the journal BMC Veterinary Research.
Honorary Memberships 2015

Tom Klei
Dr Tom Klei started his post graduate career as a post doc at NIH before joining the faculty at Louisiana State University. His extensive parasitology background started with equine gastrointestinal nematodes, including exciting work on strongyle vaccines which quickly encompassed human lymphatic filariasis. Tom has a substantial number of peer reviewed publications and abstracts and presentations at local, national and international venues. He has contributed much to teaching efforts for veterinary and graduate students and mentored a multitude of MS and PhD students. Tom was named a Boyd Professor at LSU in 1992 and has been an advocate for the support of research and graduate education. He was appointed Associate Dean for Research at the LSU School of Veterinary Medicine and helped establish the Center for Experimental Infectious Disease Research, then the LSU Vice Chancellor for Research and Economic Development. Dr Klei serves on NIH/USDA/WHO review panels, is the past president of the American Association of Veterinary Parasitologists and was the key to organization of the 2003 WAAVP meeting in New Orleans.

T. Bonner Stewart
Professor Emeritus Stewart was born in Brazil in 1924. He started his career as veterinary parasitologist with the USDA Animal Research Service in 1950 in Auburn, AL, USA. Boner worked with such notable parasitologists as Harry Herlich, Frank Douvres, Halsey Vigors, Bill Becklund and Norman Levine. He is probably best known for his work with the nematodes of swine and the role of dung beetles as agents of control for livestock parasites on pastures. Dr Stewart published more than 100 peer reviewed papers over 50 years, his first in 1954 and his last in 2004.

Jozef Vercruysse
Professor of Parasitology at the Faculty of Veterinary Medicine, Ghent University, Belgium. Author and co-author of approx. 1000 scientific papers and abstracts. A total of 451 articles were published in international scientific journals. Promoter and coordinator of approx. 50 projects on human and animal parasitic diseases in Belgium, EU countries and the tropics (Mali, Senegal, Zambia, Cameroon, South Africa, Rwanda, Sri Lanka, Philippines, Vietnam, Malaysia, India, Nepal, Cambodia, Ethiopia, Cuba, Myanmar, Peru). Past coordinator of the EU project “PARASOL” (2006 - 2009) and Coordinator of the EU project “GLOWORM” (2011 - 2014). Supervised 32 PhD students.

Roger Prichard
Dr Prichard’s many research achievements are well known in the world of veterinary parasitology due to several decades of prolific and high quality research output and a variety of other, often high profile activities as an international expert in his field. He has been internationally recognized as the single most authoritative figure in the area of anthelmintic drug resistance research for many years. Roger is also well renowned for his contributions to the mentoring of parasitologists. His extensive list of trainees have gone on to hold senior academic appointments in Veterinary Parasitology or related disciplines throughout the world. This includes Deans of Faculties, Head of Departments, Full Professors, Associate and Assistant Professors, as well as a number of those with successful careers in industry and government. He has also held senior administrative appointments directly associated with teaching and mentorship. Most notably as Dean, Faculty of Graduate Studies and Research, McGill University and Pro Vice-Chancellor (Research and Graduate Studies), University of
the West Indies. He has served in the editorial board of several international journals, has been a scientific program advisor to many international scientific meetings, president of international associations (WAAVP and AAVP) and an advisory board member for multiple academic institutions. Of particular note in recent years is his Advisory roles to the World health Organization and Bill and Melinda Gates Foundation for developing and implementing policy on the control and eradication of parasitic diseases in the developing world.

Eugene Lyons

Dr Gene Lyons has been associated with equine parasitology for a career that spans more than 5 decades. He, along with Dr Hal Drudge, provided a view to the life cycles and pathogenesis of the helminths of horses and has become the authority on the testing of equine anthelmintics. Dr Lyons has designed effective and practical parasite control programs and shared this knowledge in numerous professional and lay publications. Dr Lyons elucidated the lactogenic transmission of *Strongyloides westeri*, the life cycle of *Thelazia lacrimalis*, and enhanced the descriptions of the pathogenicity of the migrating larvae of *Strongylus vulgaris*. Dr Lyons remains active in research on control programs for parasites in the face of evolving biological adaptation.

Jitender (J.P.) Dubey

Dr Dubey’s achievements and contributions to the field of veterinary parasitology are extensive. J.P. has received numerous honors, including awards from three of our primary scientific societies the American Association of Veterinary Parasitologists, the American Society of Parasitologists, and the World Association for the Advancement of Veterinary Parasitology. His work in the area of coccidian parasites is unmatched, with well over 1000 peer-reviewed publications, and it is unlikely to find a research paper on *Toxoplasma*, *Neospora*, or *Sarcocystis* that does not cite at least one of Dr Dubey’s publications. He is the most prominent veterinary parasitologist of our time, and is one of only a handful of parasitologists who have been elected to the U.S. National Academy of Sciences.

Tom Craig

Dr Craig has been a fixture in US veterinary parasitology for over 30 years. His exhaustive knowledge of animal parasites is derived from experiences around the world. He has been a careful observer of strongylids parasites of ruminants in Texas and the southwestern US and was the first to describe multidrug resistance in small ruminants in the US. He has contributed substantially to the literature on wildlife parasitology in the US, on new and emerging diseases like hepatozoonosis and trypanosomiasis. He is a remarkable source of information on classical parasitology and has been providing advice on parasite control and teaching veterinary students since 1977. He has teaching awards from the Texas A&M alumni and the Texas Veterinary Medical Association, as well as the Distinguished Parasitologist Award from the American Association of Veterinary Parasitologists.
Born and raised in Alberta, my early years were spent on the family farm near Cremona which had been homesteaded by my great-grandfather in 1903. Later, educational travels took me to Calgary and then to Lethbridge to complete my B.Sc. It was at the U. of L. where I first became enthralled by parasites and parasitism. Subsequently, University of Alberta broadened my experience and further piqued my curiosity about parasites as I was immersed in a M.Sc. program alongside a stimulating group of faculty and students. University of Guelph (Ontario) and insects, particularly those that feed on animal tissue, rounded out my time as a student and once again exposed me to an incredible group of faculty and students. In between U of A and U of G I began work at Agriculture Canada’s Lethbridge Research Centre. I gained a wealth of experience working with cattle and the insects that affect their welfare and productivity. Curiosity about the endless variety of host-parasite interactions and the possibilities for improving animal production without complete dependence on chemical control has fueled my research program. This curiosity has allowed me to collaborate with a variety of stimulating and inquisitive colleagues from around the world and has resulted in over 100 publications in refereed journals, several book chapters and one book. Connections with these colleagues have also resulted my horizons being broadened to include parasites of hosts as diverse as howler monkeys and ants. My role as an editor for Medical and Veterinary Entomology has been a gratifying experience as have my associations with both the University of Lethbridge and the University of Calgary, Faculty of Veterinary Medicine where I lecture and supervise graduate students. In addition to a passion for parasites I do indulge in a passion for cooking and for providing interesting taste treats to friends and family. Sheila and I own a small ranch on the edge of the Rocky Mountains where we enjoy life at a different pace in our off- the-grid, straw bale house.
OTRANTO DOMENICO BVetMed, PhD, DipEVPC, FRES is full professor in Veterinary Parasitology at the University of Bari (Italy). He was the recipient of the “Peter Nansen” International award of the WAAVP (August 2007), of the International award of the “Lincei Academy” for the “Evolutionary aspects of Zoology” (June 2006), and of the Award as Young Parasitologist of the Italian Society of Parasitology (June 1998). He is a Fellow of the Royal Entomological Society (FRES; October 2005). Since 2010 he has been Editor in Chief of Medical and Veterinary Entomology (2010-2016) and advisor editor of Parasites and Vectors (2012-2016). He is or he has been also a member of the editorial board of several international peer reviewed journals (Parassitologia, Scientia Parasitologica, Journal of Parasitology Research, Medical and Veterinary Entomology, Molecular and Cellular Probes, Journal of Veterinary Diagnostic Investigations, Parasites and Vectors, Veterinary Parasitology, Entomologia, International Journal for Parasitology - Wildlife). He has been member of the board of the European Veterinary Parasitology College (2009-2012), Vice President (2012-2015) and is currently President of this college (2016-2019). He is an executive board member of the Italian Society of Parasitology (2012-2016).

His research and teaching experience is in veterinary parasitology mostly focussed on vector borne diseases of zoonotic concern. His scientific interests include parasites (identification, biology and ecology) and parasitic diseases (diagnosis, treatment, control and prevention). In particular, he has run several research projects on ticks, phlebotomine sand flies, leishmaniasis, dirofilariosis, canine onchocercosis, canine tick borne diseases, thelaziosis and feline lungworms. In particular, he contributed original information on the biology of *Thelazia callipaeda* and its vector, of *Rhipicephalus sanguineus* tick, of *Hepatozoon canis*, and of feline lungworms *Aelurostrongylus abstrusus* and *Troglostrongylus brevior*. He was principal investigator of field studies to test drugs for controlling canine leishmaniosis and tick borne diseases.

Since Oct 2001, he has been Director of the Mycology and Parasitology Unit of the University of Bari as Associate
Professor (up to February 2006) and later as Full Professor. He was scientific Responsible for and Director of a PhD course in “Parasitology and Parasitic Diseases of Animals” and he is currently Head of the Department of Veterinary Medicine at the University of Bari. His scientific output in veterinary parasitology to date consists of >360 peer-reviewed scientific articles in international journals and over 300 abstract presentations (national and international congresses), 15 book chapters 2 documentaries of parasitology to implement learning and teaching. He is Editor of the Italian version of the Veterinary Parasitology textbook (Blackwell, 2009; EMSI 2010) and one of the three authors of the Medical and Veterinary Entomology Textbook published by CABI: Russel R., Otranto D. Wall R. 2013 pp.1-440.

He organizes every year a one-week residency parasitological course known as ParSCo.

REUBEN SHARMA
Executive Committee Officer, 2025

Reuben Sharma graduated with a Doctor of Veterinary Medicine (DVM) degree from Universiti Putra Malaysia (UPM) and subsequently pursued a Master in Veterinary Science (MVSc) in wildlife diseases at the same university. He was later awarded a PhD in molecular parasitology from the University of Cambridge, UK. Reuben is also a Chartered Biologist (CBiol) and a Member (MSB) of the Society of Biology, London.

His main research interest is on the molecular epidemiology, antigenic variation and genetics of parasitic haemoprotozoa. His research findings has led to the revision of the life cycle and ontogeny of Trypanosoma brucei, a representative member of the kinetoplastida that causes a debilitating disease in man and animals. His work has also shed light on the chromosome dynamics, mitotic cell division and gene expression during meiotic recombination in these haemoprotozoa. Reuben’s laboratory is currently focusing on zoonotic wildlife diseases in Asia, with special attention to zoonotic primate malaria. Reuben has published over 170 scientific articles in peer-reviewed journals, conference proceedings and technical reports. He is also keenly interested in the taxonomy and systematics of Malaysian parasitofauna, and is currently establishing a National Parasite Reference Collection for the country. Together with co-authors, has described four new species of parasitic helminths and re-described an additional two from chelonians.
Reuben has received three international awards for his efforts in the conservation and medicine of Malaysian wildlife, and has secured 21 additional research grants from the Ministry of Science, Technology and Innovation (MOSTI), and the Ministry of Higher Education (MOHE) for the study of parasites and wildlife diseases in Malaysia. Over the years Reuben has supervised 30 undergraduate projects and 38 postgraduate candidates (25 Master and 13 PhD). He has been appointed as consultant/expert resource person to various NGOs and governmental organizations including World Wide Fund for Nature (WWFM), the Ministry of Human Resources Malaysia, Ministry of Natural Resources and Environment Malaysia, and the Veterinary Laboratory Services Unit, UPM.

Reuben has served as a council member of the Malaysian Society of Parasitology and Tropical Medicine (MSPTM) for seven terms, including the Hon. Secretary, Vice President and President (two terms). He is currently a senior lecturer and coordinator of the parasitology laboratory at the Faculty of Veterinary Medicine, University Putra Malaysia.

The Nobel Prize

The World Association for the Advancement of Veterinary Parasitology would like to give its heartiest and warmest congratulations to W.C (Bill) Campbell on the receipt of the 2015 Nobel Prize for Medicine. What a special award for this man who exemplifies his continued dedication to worms and their effects on humans. He has successfully translated this work from animals to humans in the very best tradition of One Health.

Born 1930 in Ramelton, Ireland, Bill gained his PhD with Arlie Todd from the University of Wisconsin, Madison, WI, USA, in 1957. During his career, he worked at several institutes and from 1957–1990 at Merck, Sharp & Dohme Corp. (MSD), USA. Currently, he is an Emeritus Professor at Drew University in Madison, New Jersey, USA.

Dr Campbell discovered the bioactive compound avermectin in bacterial cultures provided by Dr Satoshi Ōmura. The substance was found to be very effective against parasites in animals. It was chemically modified, and the resulting ivermectin turned out to kill parasite larvae in humans, leading to an entirely new class of drugs against parasitic worms. Ivermectin is used to treat conditions such as river blindness and lymphatic filariasis, improving human lives especially in the poorest regions of the world.

Bill is renowned not only as a parasitologist but as a poet and as an artist (he is a very modern equivalent of a true renaissance man).

See www.nobelprize.org (Medicine Prizes 2015)
What were the highlights of your Presidency?
Highlights of my Presidency were many and varied. The completion of 2 very successful and profitable conferences - one held in the southern hemisphere and the other in the northern hemisphere - immediately come to mind. The complexity and challenges involved in such undertakings is often not appreciated by some but I certainly appreciate the commitment of those who took on the tasks. Following on this I must say I was pleased to see Malaysia present such a successful bid to host our 2017 conference. The renegotiation of our contact with Bayer Animal Health to offer continued support for our WAAVP Bayer Awards was a significant highlight. I thank my Past President who negotiated the contract details with Bayer resulting in continued financial support of the awards for another decade. I particularly appreciated the support of my fellow WAAVP EC members who offered support and constructive input when needed.

and lows...?
I do not recall any lows. I do recall ongoing challenges - the primary one being to identify and deliver on future income streams to ensure the sustainability of our association. In my Presidential term the realistic income stream options were identified. This challenge has been taken up by our new president as a priority to find ways to deliver on these.

What will you do now?
Within WAAVP I continue on the EC for another 4 years as Past President. Additionally I will retain my active role on the WAAVP Guidelines Sub Committee. Outside of WAAVP, I find myself at a time in life where I can decide on what work I wish to undertake and where I want to do it. At the moment I am involved with a UK based Commercial Research Organization (CRO) focused primarily on parasites in commercial livestock. My immediate aim here is to continue the success I have delivered in the last 12 months in the significant increase in parasiticide product development through animal studies and parallel increase in activities in our diagnostic laboratory. This should keep me out of mischief for some time.

What will your Presidency be remembered for?
That is for others to contemplate and decide upon. My input to WAAVP is nowhere complete at this point. Like for all WAAVP members, opportunities exist to actively participate in our associations activities.

What advice do you give to the new president of WAAVP?
My simple advice is use the EC membership to your best advantage - they are wonderful resource. Above all, always listen to the thoughts of WAAVP membership.
African Foundation Grant Awardees

Congratulations to all of the WAAVP 2015 African Foundation awardees:

- Dr Olubukola Adenubi (South Africa)
- Dr Charles Byaruhanga (Kenya)
- Dr Idika Idika (Nigeria)
- Dr Shakirat Adetunji (Nigeria)
- Dr Ahmed Hassan (Somalia)
- Dr Zamantungwa Khumalo (South Africa)
- Dr Mawahib Ahmed (Sudan)

We asked each awardee to contribute an article about their impressions and highlights of their trip to the WAAVP Liverpool conference and we are pleased to include the first two in this newsletter edition. Unfortunately neither Dr Olubukola Adenubi or Dr Ahmed Hassan were able to attend the conference.

Impressions and the impact of attending the WAAVP 2015 conference in Liverpool, UK

Charles Byaruhanga

I am Charles Byaruhanga, a Ugandan by nationality and currently a PhD student of veterinary parasitology at University of Pretoria. I express my sincere appreciation for the 2015 WAAVP African Foundation scholarship that helped me to attend the 25th International Conference of the World Association for the Advancement of Veterinary Parasitology, 16-20 August, 2015 in Liverpool, United Kingdom. Attendance of the conference provided me an opportunity to share the findings from my study ‘Endemic status of tick-borne infections and tick-species diversity amongst transhumant zebu cattle in Karamoja Region, Uganda: implications for control approaches’ with researchers from all over the world. This was biggest conference I have ever attended, and it has improved on my curriculum vitae.

Winners of the 2015 WAAVP African Foundation scholarship. From left to right: Idika Idika (Nigeria), Zamantungwa Khumalo (South Africa), Shakirat Adetunji (Nigeria), and Charles Byaruhanga (Uganda)
From the amazing keynote speakers and parallel presentations, I was consistently presented with great opportunities to attend to a diversity of fantastic science and well-organised presentations from all over the world. This has broadened my horizons and given me research ideas. Meeting the conference attendees from all over the world has allowed me to network at all levels. I have also appreciated what other researchers are doing in the various fields of veterinary parasitology. The conference gave a platform to young researchers as keynote speakers, which was very inspiring to me.

Being my first time to visit Europe, attending the conference makes it an absolutely memorable event to me. The Arena and Convention Centre (ACC), which was the venue for the conference, is located in the Centre of the Liverpool which offered me the chance to tour around city. The ACC is located on Liverpool's Mersey waterfront, which makes it a very spectacular environment. There was a wide range of attractions in the city that included music, art and historical exhibitions. Being a fan of the English Premier league, I was very excited to tour in and around Anfield Liverpool stadium. It was a great Liverpool experience with the Mersey Beatles performing at the Virbac Gala Dinner. The people in Liverpool are incredibly welcoming and generous. The flight with Lufthansa through Johannesburg, Frankfurt, and Manchester airports was of high quality and enjoyable.

The main sponsors of the conference: Bayer, Elanco and Merial added great value to the conference through presentation and display of their products which are significant to the field of veterinary parasitology and to me as a researcher. I was also pleased to get updates about Elsevier journals that co-sponsored the conference.

One of the ways I take the conference home with me is through the photographs taken during the conference.
Even though I had a rough travel experience to Liverpool where the 25th International Conference of the WAAVP was held, I enjoyed the great moments I had throughout my stay. It didn’t feel like the first time at the conference at all, in fact you would think I had always attended from the first time they started.

The beautiful love-lock view above from the promenade at Liverpool’s Albert Dock not only caught my attention but also melted my heart to the sentimental and unconditional love people share. It was my first experience of this, that made it exceptional.

Alright, before I get too distracted, let’s get to the highlights of the conference.

- Bayer’s many triumphs: There is no doubt Bayer Healthcare has contributed substantially to animal and human welfare through their innovative therapies and preventive solutions. The successes recorded especially in ectoparasite control in animals are outstanding and these have led to an amelioration of varying diseases of humans, companion and farm animals.
African Foundation Grant Awardees cont...

- Novel approaches to the control of parasites: Studies on the effective use of various bioactive plants and their products to control ecto and endo-parasites in animals have been in existence for decades and it’s fascinating to know new promising discoveries are happening.

- One Health: Interestingly, there were lots of research studies including mine that explored the interactions between human, animal and the environment, and how these relationship can help to achieve improved health and sustainability.

- Lunch: It was really nice to have delicious meals served for lunch throughout the conference period. The one I enjoyed most was coconut braised crispy duck with roasted rice, Chinese leaf, papaya and chili salad. I must say it’s the best I have had this year! Thanks to all our lunch sponsors (Bayer Healthcare, Merial and Elanco)

An international conference such as the WAAVP not only exposes you to new people and research but also inspires you to keep up with your challenges and continue to make relevant contributions to science. It was exciting to make new friends and have interactions with a network of professional colleagues. In addition, I was happy to meet two of my professors from the University of Ibadan, Nigeria, Dr I.O. Ademola and Dr A.O. Adediran.

I would urge the organizers of the WAAVP conference to make it to be as student-centered as possible. There should be activities that foster students interrelationship as this could impact greatly on the future of science. Being an international conference, I suggest a student association which would comprise of representatives from each region of the world to interact and share ideas.

In conclusion, I would love to express my sincere gratitude to my ever supportive and inspiring mentors, Dr Rosina C. Krecek and Dr Maria D. Esteve-Gassent; the WAAVP African Foundation for the travel scholarship awarded to me; and Texas A&M University, College of Veterinary Medicine & Biomedical Sciences for financial support for my travel expenses.
Welcome Address by WAAVP 2017 Chairperson

Dear Colleagues,

Welcome to Kuala Lumpur for WAAVP 2017 – a city brimming with history, fantastic food and the melting pot of Asia!

As Chairperson of the WAAVP 2017 Local Organising Committee, it is my great pleasure to invite you to participate at the upcoming Conference, which will be held on 4 – 8 Sep 2017 at the world iconic Kuala Lumpur Convention Centre, Malaysia. This event is held every two years in major cities all over the world for the past 52 years and now it has come to Malaysia, with a backdrop of the famous PETRONAS Twin Towers, one of the world's most recognised landmarks.

The Local Organising Committee is proud to present a memorable scientific experience which includes plenary and keynote sessions, concurrent oral and rapid oral sessions, as well as poster presentations. In keeping with the Year of the Cockerel, we hope to put together a programme covering diseases of all animals Big and Small in Veterinary Parasitology. The registration fee and travel package is one of the most economical in the world! We hope to forge a good network among veterinarians and scientists for a better world. While enjoying the rich scientific experience, we hope you will take some time to enjoy our beautiful Malaysia – Truly Asia.

Discover the amazing cuisines, great shopping 'till you drop' and friendly people. We wish you a delightful stay and hope you take home the very best of memories from this conference.

We look forward to seeing you in Kuala Lumpur in September, 2017. Keep a look out for our website at www.waavp2017kl.org

With warm wishes,
Dr Ramlan Bin Mohamed
WAAVP 2017 LOC Chairperson
About WAAVP and WAAVP 2017

The World Association for the Advancement of Veterinary Parasitology (WAAVP) was formally established on 16th August, 1963. It is the largest international veterinary parasitology organisation in the world. WAAVP is a non-profit organization for scientists who study the parasites of animals, encompassing helminthology, protozoology and entomology. The Association encourages research in veterinary parasitology and to promote exchange of information and material amongst researchers, veterinary practitioners and animal health investigators. Apart from organising scientific meetings, the Association, which is affiliated with the World Veterinary Association, cooperates with various national, international and affiliated organizations, such as WHO and FAO, in all matters concerning veterinary parasitology. The Association also plays important roles in preparing and publishing anthelmintic guidelines and participates in the development of the official VICH guidelines for anthelmintic testing.

WAAVP conferences are held bi-annually in various major cities around the world for the past 52 years. The official language of the conference is English. Over the 52 years, these conferences have attracted attendees from all around the globe.

Through a bidding process, WAAVP Conferences have given parasitologists an opportunity to learn about the parasitological perspectives of the host country, and to enjoy the culture!

As a result of great team work and effort from the Malaysian Society of the Parasitology & Tropical Medicine (MSPTM) together with Department of Veterinary Services (DVS) and with strong support given by the Ministry of Agriculture and Agro-based Industry, Malaysia (MOA) and Malaysia Convention & Exhibition Bureau (MyCEB) of the Ministry of Tourism and Culture Malaysia, **Malaysia is delighted to be the first country in South East Asia to host the 26th WAAVP conference in the iconic Kuala Lumpur Convention Centre on 4 – 8 Sep 2017, Kuala Lumpur, Malaysia – Truly Asia.**

Conference Venue

The Kuala Lumpur Convention Centre, winner of numerous awards including but not limited to the "Purpose Built Convention & Exhibition Centre Award for Excellence" by rAWr (Recognising Award Winning Results) Awards 2013, is located in the heart of the Kuala Lumpur City Centre and nestled between the awe-inspiring PETRONAS Twin Towers and a beautiful 50-acre landscaped recreational KLCC park, home to various species of flora and fauna.
The '2015 AIPC (International Association of Convention Centres) Innovation Award' was made to the Kuala Lumpur Convention Centre, which is also a centre with ISO 9001, ISO 22000, ISO14001 and OHSAS 18001 certifications, EarthCheck Bronze status (environment) and Hazards Analysis and Critical Control Points Certification (HACCP) recognition, the international food safety system for international convention facilities and five-star hotels.

The centre is well serviced by a modern and efficient subway train system linking all major parts of the capital city. The centre is also within walking distance of many major hotels and serviced apartments.

There are several ways to get to the Kuala Lumpur Convention Centre.

By Road
If you are in a taxi or a chauffeured car, approach the Centre along Jalan Pinang and turn left into the Main Entrance (second turn after the Mandarin Oriental Hotel) for drop off. If you are driving, here are your parking options:
1. Take the first left after the Mandarin Oriental Hotel from Jalan Pinang up the ramp to access the car park at the Centre’s basement.
2. Park at the KLCC Suria car park and exit to the Concourse level Centre Court. Make your way past Cold Storage to the Guardian Pharmacy where there is a covered walkway through to the Centre. Take the elevator to the Ground Floor where you will be directed to the Registration area.

By Train
Take the Light Rail Transit (LRT), Kelana Jaya Line to the KLCC Station. Turn left after exiting the turnstiles and walk through the Suria KLCC shopping centre Concourse level to the Centre Court. Turn left and make your way past Cold Storage to the Guardian Pharmacy where there is a covered walkway through to the Centre. Take the elevator to the Ground Floor where you will be directed to the Registration area.

On Foot
From the Suria KLCC shopping centre's Ground Floor centre court, take the Park Exit into the KLCC Park and turn right. Follow the Esplanade towards the Mandarin Oriental Hotel and then take the path around the edge of the park towards the centre of the building and enter via the Park Entrance.
Twenty Seventh Biennial Meeting Announcement

July 2019

Madison, Wisconsin USA (http://www.cityofmadison.com) has been selected as the site of the World Association for the Advancement of Veterinary Parasitology (WAAVP) biennial meeting in 2019. Planning is already underway for this event, which will be a joint meeting with the American Association of Veterinary Parasitologists (AAVP) and several other parasitology organizations.

The Local Organizing Committee, chaired by Tom Kennedy, is in the process of venue review, inviting the Scientific Committee and selecting the theme for the 27th WAAVP conference for the 66th year of the WAAVP.

Situated in the heart of America’s dairyland, home to the world renowned University of Wisconsin, including one of the top research veterinary schools in the nation, and the seat of state government, Madison is regarded as one of the top ten best places to live in the United States. Madison promises to be a fantastic experience, with world class hotels and restaurants, a vibrant walkable city culture and a beautiful Frank Lloyd Wright designed meeting venue overlooking Lake Monona. Wisconsin is a tourist mecca known for its summer recreational activities and is part of a chain of five lakes with walking and biking trails, so come prepared to stay and visit before and after the meeting.

Mark your calendars for July 2019 and an exciting WAAVP meeting in Madison, WI USA.
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WAAVP Newsletter
Submission deadlines:

<table>
<thead>
<tr>
<th>Newsletter Dates</th>
<th>Deadline Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 2016</td>
<td>1st March 2016</td>
</tr>
<tr>
<td>October 2016</td>
<td>1st September 2016</td>
</tr>
</tbody>
</table>

Please contact the editor with any queries regarding these dates

Submissions to: laura@shernacre.co.uk