

# OCCUPATIONAL HYGIENE MATTERS

Welcome to the March 2018 edition of Occupational Hygiene Matters.

A quarterly newsletter from The Australian Institute of Occupational Hygienists Inc (AIOH).

Australia's premier professional association representing the interests of occupational hygienists and allied professionals.

Our mission is to promote and preserve the health and wellbeing of Australian workers through application of the knowledge, practice and standing of occupational health and occupational hygiene.

## From your President



**Brian Eva - President 2018**

## President Brian Eva

From the Desk Airport Lounge of the President

I've survived Bump In of the indoor shows and the outdoor concert series of the 2018 Adelaide Festival. What a joy for an Occupational Hygienist! Between managing "Artistes" welfare, 500+ volunteer performers safely (many at height), noise, pyro and lots of other good stuff, I'm heading back to Melbourne!

So what's happened since December.....

## KIHA winter conference

Very cold in Korea, but a most informative conference. The challenges of the occupational hygienist and how to embrace employers and government to improve workplace conditions in many Asian countries continues to be an issue. An issue of emerging significance is the apparent link of leukemia with the manufacture of LED screens. Dr Doo Yong Park (Honorary Fellow of the AIOH) has been appointed as President of KOSHA (Korean Occupational Safety & Health Administration).

## AIOH Planning Day

A productive planning day was held with Council, members of the Strategic Advisory Committee and members of the Property Selection Group. There were 12 items discussed on this day and the outcomes will be used to develop the strategic direction of the Institute for the next 3 years. Outcomes will be published in the next newsletter.

## Website

The new AIOH website is on track for a launch in May. The website will bring new functionality and a new look that should appeal to all members.

## Member Value Proposition (MVP)

The member value survey has provided Council with valuable insights into the needs and expectations of members. These were considered at the Planning Day and already a number of actions have been implemented to improve the member experience.

## Membership

The membership application process has been re-aligned with our Rules & Statement of Purposes and a guide has been uploaded to the website. I would encourage all eligible Provisional and Associate members to apply for Full Membership of the Institute and proudly display the post nominals "MAIOH".

## COH

The responses regarding the value of COH status to members from the member survey was not what Council had expected. Approximately 50% of the members who responded stated that COH was not of any value to them and that they would not be seeking Certification. Given that members also seek recognition of COH in legislation, we need to identify the "Gap" between value and recognition in order to create the incentive to become a Certified Occupational Hygienist.

## AIOH House

Having been the under-bidder at a number of auctions, a Buyers Advocate has been engaged to assist in the purchase of a suitable property / building.

## Basics Principles In Occupational Hygiene

Thanks to the Professional Development and Education Committee for the re-write of the course to meet the 2018 OHTA requirements and for those members who expressed an interest as Course Presenters. Watch for proposed dates.

## SWA Skin Exposure Guidance Note

The Exposure Standards Committee and a number of members provided feedback to SWA in relation to the Skin Exposure Guidance note and calculator. The feedback has been adopted by SWA in the revised document that will be released for public comment.

## Position Papers

Members will have noted that the two new Position Papers are available to purchase from the AIOH “Shop”. Funds raised from the sale of these documents will be used to “seed” new Position Papers and to update currently available documents.

## Principles of Occupational Health and Hygiene, An Introduction

Preparations for the third edition of our flagship publication is underway. Thanks to Sue Reed for once again taking on the role of Editor and coordinating this process.

## Special General Meeting

A special general meeting will be required to make some necessary changes to our Rules & Statement of Purposes. Full details will be provided as the content and meeting date are determined.

Finally, both Darren Marinoff and I are in for a nervous wait to see whether our daughters’ respective AFLW teams (Adelaide Crows / GWS Giants) can make it to the AFLW Grand Final in 3 weeks time!!

*Brian Eva*

*President 2018*

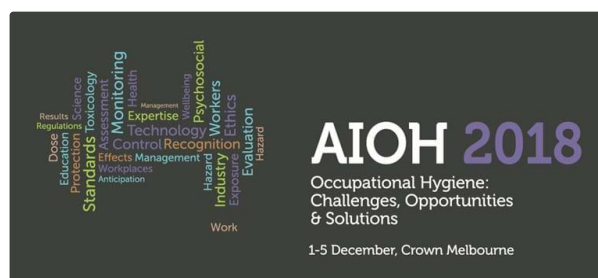
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## AIOH BASIC PRINCIPLES COURSES UP AND RUNNING

Dates are set for Sydney and Brisbane -

[Register for Sydney](#)

[Register for Brisbane](#)



**AIOH2018 Logo**

## AIOH 2018

Dear AIOH Community,

As Chair of the 2018 Conference Committee, I would like to introduce our Conference for this year. At the 2017 AIOH Conference in Canberra, I had the pleasure of announcing that the 2018 Conference is to be held at the Crown Conference Centre from the 1<sup>st</sup> to the 5<sup>th</sup> of December



2018. An abled team of Melbournians will be working together with the AIOH's Conference and Events Manager, Ms Samira Wadhavkar, to present another successful Conference event.

Our logo and theme for the 2018 Conference was chosen to represent what unites us as hygienists - our issues. Notwithstanding the traditional hazards Occupational Hygienists deal with every day, the profession is also being challenged by a changing workplace base, new technologies and a more holistic approach to workers' health. We hope the Conference will empower the profession in meeting the challenges of today but also those of the future, identify and provide opportunities to accommodate trending workplace issues and educate us on improved methods of keeping workers healthy.

The Crown Conference Centre is a purpose built, modern conference facility on the banks of the Yarra with plenty of accommodation options in and around the Centre. Melbourne is Arts, Culture and Food, so come and enjoy not only one season, but perhaps all four in one day! Dress in black like our logo and enjoy the city: Melbourne was voted World's most liveable city in 2017 - a record 7<sup>th</sup> time in a row in the top spot.

Our Conference will continue to provide opportunities for professional development on a wide range of traditional and trending occupational hygiene topics through:

- Continuing Education Sessions
- Presentations from International and National Speakers
- Exhibitors showcasing products and services

And not forgetting the opportunities for networking and connecting with peers through various Social Events.

We ask that you be part of its success by submitting a paper, contacting us with suggestions about topics of interest or just by indulging us with your attendance and participation at the event.

So please come to Melbourne and join us at the Crown Conference Centre for another great AIOH Conference!

Ms Yanel Lara

AIOH 2018 Conference Chair

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## Congratulations Noel Tresider Awarded Member of the Order of Australia

Noel Tresider, was recently awarded Member (AM) in the General Division of the Order of Australia in the 2018 Australia Day Honours List. Noel was honoured for significant service to workplace health in the field of occupational hygiene, and to the promotion and development of standards and training.

With a long and illustrious career in worker health protection spanning 35 years, Noel is well known around the world for his outstanding leadership, pioneering vision and dedication, particularly as the co-founder and director of the Occupational Hygiene Training Association (OHTA).

He is a former AIOH President and Treasurer, a former Board Member (2015-2017) of Workplace Health Without Borders (WHWB), and a former President (2011-12) of the International Occupational Hygiene Association (IOHA). In addition to the IOHA Presidency, Noel also served as Chair of the IOHA National Accreditation Recognition (NAR) Committee for six years, and in this capacity helped to establish and lead a process to recognise excellent quality national qualification processes in occupational hygiene.

In an effort to encourage students to engage in occupational hygiene, Noel recently helped establish the Sue Davies Scholarship Fund and continues as one of its trustees. This award is granted to an International Certificate in Occupational Hygiene (ICertOH) student from a developing country to help them attend a major occupational hygiene conference.

Noel's outstanding contributions to the field of occupational/industrial hygiene have previously been recognised through the IOHA Lifetime Achievement Award (2014) and the American Industrial Hygiene Association (AIHA) Yant Award (2015). *(Copy provided courtesy of OHTA)*

## Pam Pryor Awarded Order of Australia

Pamela Pryor has received an Order of Australia for a career of exceptional contribution to the field of health and safety, not only as a health and safety professional and through her research and academic contributions, but at the systemic level in ways which are having a long lasting impact.

Pam has overseen the development of the Body of Knowledge (BoK), which is used today as a core reference point for Australian University OHS qualifications. As the founding registrar for the Australian OHS Education Accreditation Board, Pam has been integral to a small team driving this initiative which today accredits nearly all of Australia's OHS University courses.

Pam has been one of the leaders and a co-author of the OHS professional Global capability framework project which was launched last September in Singapore, with organisations from 22 countries adopting the framework. She has also been one of the architects of the Australian WHS certification program which, now in its third year, is assisting in raising the profile of health and safety people within Australian companies.

Pam has played a considerable role with the Safety Institute of Australia (SIA) in building the capability of health and safety people, and in doing so, she has created a legacy of career which has made an extraordinary difference. *(Copy provided courtesy of SIA)*

## Dr Trevor Leo Ogden Awarded Order of The British Empire

It is wonderful to see Occupational Hygiene get a mention in the Queen's New Year's Honours list.

Dr Trevor Ogden has been recognised for his significant contribution to the profession, being awarded Officer of the Order of the British Empire, for services to Occupational Hygiene and Workplace Air Quality.

## Congratulations Alan and Phyllis Rogers on becoming Grandparents!

Welcome to the world Jesse Krowitz (pictured above) and Zoe Moran-Rogers

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## International Update

### 5th INTERNATIONAL SCIENTIFIC CONFERENCE ON OCCUPATIONAL AND ENVIRONMENTAL HEALTH

#### *CALL FOR PAPERS*

The Vietnam National Institute of Occupational and Environmental Health (NIOEH) is organizing the Fifth International Conference on Occupational and Environmental Health (ICOEH5) from **September 10 to 12, 2018 in Hanoi, Vietnam.**

AIOH members are cordially invited to participate in this important event. The conference is also looking for sponsors, exhibitors and volunteers to be a part of this international conference.

The theme of the conference: -

#### **"Occupational Health and Environment: Challenges and Opportunities in Sustainable Development"**

Provide updated information on various challenging occupational safety and environmental health issues; This conference will: -

- Detail efforts to characterize, reduce and eliminate hazardous exposures in Vietnam, other Southeast Asian countries, and throughout the world;
- As well as identify further research needs and collaborations.

This international conference is an opportunity for local and international scientists to exchange information and experiences on research studies on maritime safety, occupational and environmental health, school health, and intervention measures on health promotion and



protection for workers, school children, and community. The conference will examine workplace safety and environmental health conditions and describe methods to evaluate and control hazards.

This conference brings together occupational safety and environmental health professionals as well as policy makers for networking and collaboration. Several key international OSEH entities are expected to attend, including: The World Health Organization (WHO), The Centers for Disease Control and Prevention's National Institute for Occupational Safety and Health (NIOSH) and the Occupational Hygiene Training Association (OHTA).

Important dates:

- Abstracts due March 31, 2018
- Full papers due July 1, 2018
- Early Registration April 1 to May 1, 2018
- Standard Registration begins May 2, 2018

Conference details, including call for papers and Registration forms for both participants, exhibitors and sponsors are available from the AIOH.

For any further information, please send an email to Conference Secretariat at [icoeh52018@gmail.com](mailto:icoeh52018@gmail.com) (<mailto:icoeh52018@gmail.com>) [hoinghisknn2018@gmail.com](mailto:hoinghisknn2018@gmail.com) (<mailto:hoinghisknn2018@gmail.com>) or go to the website [www.nioeh.org.vn](http://www.nioeh.org.vn) (<http://www.nioeh.org.vn>) (*Copy provided courtesy of NIOEH*)

## **ANOH Conference 2017 – Exploring the Asian Way**

### **Asian Network of Occupational Hygiene Conference 2017:**

The ANOH conference was held in Guang-zhou, China towards the end of December 2017 and was attended by 300 delegates from round the region plus 29 International delegates. This was the 2<sup>nd</sup> conference for the group and this year it was organised by the Guangdong Province Hospital for Occupational Disease Prevention and Treatment. Participants came from Singapore, Hong Kong, Malaysia, Taiwan, Korea, Thailand, Indonesia, Australia, New Zealand and of course China.

This year's theme was chosen due to the recent increase in demand for occupational hygiene in the Asian region, although it has not yet been fully developed in most of these countries. It looked at the traditional scientific, technical knowledge and skills needed and also at the capacity for communication and implementation based on social/culture circumstances and context. These latter issues are needed to continuously discover novel opportunities, alternatives and exceptional approached that might fit the Asian society.

A number of senior speakers from China presented as well as a number of International guests. One keynote speaker was Jiang Xiaopeng, the Chinese WHO representative, who spoke about the latest information for our region "An outlook of occupational health – From an International and

Regional Perspective”. This looked at the latest information from Who and then at the situation for the ANOH area which covers 37 countries and 1.8 billion people. He also discussed the 5 strategic objectives from WHO on occupational health:

1. Devise national policy instruments;
2. Protect and promote health at the workplace;
3. Improve occupational health services;
4. Provide evidence for preventive action; and
5. Address workers’ health in all policies.

A large body of the conference was given over to talks about GHS and OEL’s from a number of countries which culminated in a panel discussion on the “Development of ANOH Occupational Exposure Limits”, or in other words, is there a need for an Asian OEL separate of the ACGIH etc systems. This was an interesting discussion and one that a working group will now explore.

Preceding the conference, an ANOH Board meeting was held at the Guangdong Province Hospital for Occupational Disease Prevention and Treatment (GDHOD). At this meeting it was agreed to establish three working groups on the following areas:

1. ANOH-OEL’s,
2. Asian OH country profiles; and
3. Provision of OHS training in Asia.

If anyone is interested in serving on these working groups please contact the AIOH Office so that we can put your name forward. You do not need to be a member of ANOH to participate in these working groups.

It was also agreed that the 3<sup>rd</sup> ANOH conference will be held in Taipei, Taiwan in October 2018 and that a further meeting will be held in Yeosu, South Korea.

Following the Board meeting a technical tour of the GDHOD was conducted by Dr Qu. This was then followed by a meal at the Fisher’s Village, which was interesting and held in a magnificent room downtown.

Anyone interested in the ANOH can become a member, including a Board member. For more information about ANOH see [www.anoh.net](http://www.anoh.net) (<http://www.anoh.net>) or direct any enquiries to [anoh.secretary@gmail.com](mailto:anoh.secretary@gmail.com) (<mailto:anoh.secretary@gmail.com>)

Brian Eva wishes to thank Derek Miller – President NZOHS for preparing a great summary article for this event!!!

## Korean Industrial Hygiene Association Winter Conference January 2018

# By AIOH President

Through our Memorandum of Understanding, I was invited to attend the KIHA 2018 Winter Conference which was held in Yeosu City, South Korea in January 2018.

Also representing the AIOH, and the IOHA Board, was Mr Philip Hibbs (Immediate Past President, AIOH).

The International Contingent comprised representatives from Malaysia, Australia, South Africa and Myanmar. The presentations in the International Session included:

- The significance of Co-operation in Industrial Hygiene
- International Co-operation on IH issues with Malaysia
- International Co-operation issues with Myanmar
- International Co-operation and Development Strategy in IH by Korean Occupational Safety & Health Agency.

These presentations were certainly enlightening, particularly the collaborative project of MOLISA and KOSHA to refurbish the Vietnamese Occupational Safety & Health Training facility near Hanoi. This project was funded through the Korean Government (KOICA) to a value of approximately US\$3.4 million dollars.

Ongoing and future projects for the protection of worker health proposed by the ILO and WHO in the Asian region were also discussed.

Informal discussions were also held with Peter-John Jacobs (Jakes) President Elect IOHA / past IOHA NAR Committee Secretary / Registrar, and Dr Dooyong Park President of ANOH and IOHA Executive member, regarding mutual recognition and reciprocity of IOHA NAR schemes. This discussion is gaining momentum and will be raised at the IOHA Board meeting in Dublin, May 2018. This is becoming even more important as the research shows there are insufficient trained Occupational Hygienists to meet the required demand throughout the world.

Highlights for the International Guests were the Industrial site tour of Yeosu City, which has very large underground oil storage (installed following the oil crisis), large refining capacity, port facilities and major manufacturing facilities, and the Technical Tour to the Korea Occupational Safety & Health Agency (KOSHA) facilities in Ulsan <http://english.kosha.or.kr/english/main.do> (<http://english.kosha.or.kr/english/main.do>)

KOSHA publish a quarterly peer reviewed journal in English SH@W (Safety and Health at Work). This journal publishes articles on occupational epidemiology, medicine, hygiene, toxicology, nursing and health services, work safety, ergonomics, work organisation, engineering of safety, safety management and policy <http://www.e-shaw.net/> (<http://www.e-shaw.net/>)

Photos from the tour are available from

<https://www.dropbox.com/sh/7eag4vlsdpw5dhz/AAAC6K8AEgx6o3jB9VEzgOzna?dl=0>  
(<https://www.dropbox.com/sh/7eag4vlsdpw5dhz/AAAC6K8AEgx6o3jB9VEzgOzna?dl=0>)

The Conference was a great success with **OVER 500** delegates registered over the 3 days of the Conference. This demonstrates the inclusiveness of the society in bringing professionals together in the spirit of *protecting worker health*. The opening session and keynote speaker sessions were translated into English, with the international session conducted in English.

The International delegates dinner was held in a traditional Korean Restaurant – with both Philip and I having some trouble with sitting on folded legs!! In the end they gave us floor chairs with backs, which one of us managed to break!!!

A special thank you goes to KIHA who not only picked up all of our expenses when in South Korea, but also arranged for the International Visitors to participate in the tour of Yeosu City Gyeongju. Specifically I acknowledge Professor Kim, Ki-Jin (President KIHA), Dr Doo Yong Park (President KOSHA), Haesong Kwon and Seul Kee Yang for their hospitality and managing all travel arrangements.

**All domestic expenses within Korea were generously covered by KIHA.**

For AIOH members interested in news from our neighbours **The New Zealand Occupational Hygiene Society (NZOHS)**, the February edition of the NZOS Newsletter can be accessed via the following link: <http://nzohs.org.nz/nzohs-february-2018-newsletter/> (<http://nzohs.org.nz/nzohs-february-2018-newsletter/>)

Included in the edition, was feedback and photos from NZOHS member **Carina Diaz**, who was given the opportunity by the NZOHS to attend the December “*Connect to Prevent*” 2017 AIOH conference in Canberra. She attended along with a small New Zealand contingent of NZOHS members who thoroughly enjoyed their time at the conference.

Carina commented “*It is very difficult to choose highlights; however, networking was fantastic with plenty of discussions at day breaks but also at the night events. I met hygienists from different industries, countries, and backgrounds, and from most of them I learnt and/or picked up ideas to implement. I certainly came back more inspired, and with a renewed enthusiasm about my career in Occupational Hygiene*”.

It was noted by Carina “*There are only a few Occupational Hygiene Courses/Seminars in New Zealand...I would highly recommend (fellow NZOHS) members to apply for the chance to obtain the award and attend this year’s conference which will be in Melbourne.*”

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## Professional Development

### AIOH Mentoring Program - hear first hand from a Mentee

My name is Marcella Donnellan. I have been an AIOH member since 2012 and have been part of the AIOH mentoring program since 2017. Presently, I am on assignment in the US, in an Occupational Hygiene role.

I believe it is everyone's responsibility to be a leader and I continually work hard at improving myself.

I requested a mentor as part of my development goal of reaching COH in the future. In addition to reaching COH, I also felt it was a great program to expand and refine my technical and leadership skills under the guidance of a COH.

At first, I was confused on the structure of the mentoring program. As a past mentee in a Government mentoring program, I was expecting the AIOH program to have a similar structure. That is - short and long-term goal setting, with recurrent meetings to discuss progress.

The AIOH's structure is different. It is more informal. Your assigned mentor is there for you to contact when you need technical help, faced with challenging situations in your workplace, and when you need neutral advice regarding career development opportunities.

While being in the program, I was faced with a career crossroads situation. I needed impartial advice and the mentor was the 'go to person for me'. They helped me figure out what I needed to do and I was confident about my decision.

I also found if the mentor feels they are not the more 'experienced' person to give you advice, they ensure you are given access to the right contact to talk to. This in turn expands your networking groups.

For me, I am enjoying my involvement in the program and would highly recommend it to other AIOH members who wish to become future Certified Occupational Hygienists.

## University News

### News from Edith Cowan University

Did you know that ECU continues to be the top public university in Australia for student satisfaction!

We have a great bunch of new students in 2018 at ECU commencing the Master of Occupational Hygiene and Toxicology. The students continue to stem from all over Australia as well as surrounding countries in the region. The enthusiasm of this group of students is empowering them in their learning, which will allow them to grow as Occupational Hygienists.

2017 was a very busy year for the staff and students at ECU! Not only did the Masters of Occupational Hygiene and Toxicology obtain reaccreditation for another 5 years from the AIOH and BOHS, the Australian Occupational Health and Safety Education Accreditation Board (AOHSEAB) has reaccredited both the Master of Occupational Health and Safety and Graduate Diploma of Occupational Health and Safety for another 5 years and both courses were accredited by IOSH for 5 years.

We look forward to hearing how Andy McCarthy, a 2015 graduate, goes at the 2018 AIHCE conference in Philadelphia where he will be presenting the research he did for the Master's degree on "Reducing Personal Exposure to Diesel Particulate Matter".

Do you want to know more about studying occupational hygiene at ECU then go to:  
<http://www.ecu.edu.au/degrees/courses/master-of-occupational-hygiene-and-toxicology>  
(<http://www.ecu.edu.au/degrees/courses/master-of-occupational-hygiene-and-toxicology>)

Further information on any of the above contact A/Prof Sue Reed via email at [s.reed@ecu.edu.au](mailto:s.reed@ecu.edu.au) (mailto:s.reed@ecu.edu.au) or phone at 08 6304 2243.

## The University of Wollongong Update

By Occupational Hygiene Course Co-ordinator: Jane Whitelaw, CIH, COH, FAIOH

In the last OH Matters, I outlined "What is the UOW Occupational Hygiene Community" and what makes it unique? Well, we certainly saw the fruit of our vision in action at AIOH2017 across certification, awards, service and research.

Our Vision is: ***To create a vibrant WHS practice and research community that promotes the highest level of workplace health and safety by inspiring the next generation of WHS Professionals.***

### 1. Certified Occupational Hygienists (COH)<sup>®</sup>

Congratulations to our 8 alumni who recently achieved Certified Occupational Hygienist status. The AIOH website indicates: "Achieving the designation of Certified Occupational Hygienist (COH) recognises that you practice in a professionally competent, independent and ethical manner, and shows you are a leader in your field."

### 2. Awards

UOW Alumni again performed well at the Awards Dinner as they continue to aspire to improve their knowledge and practice through personal development and research. Congratulations to the following UOW affiliates as deserving award winners:

Kristy Thornton Drager Safety Pacific Professional Development for Young Hygienist Award

Michael Ryan AES Post Graduate Scholarship Award

Adrian Moscosco AIOH-Dupont Occupational Hygiene Management Skills & Leadership Award

Catie Redshaw Industrial Scientific Conference Package to attend AIOH2017 in Canberra.

Sara Jackson AMCOSH best Conference Poster Award



### **3. Service**

One of the most satisfying things is seeing our Alumni giving back and serving our Profession on AIOH Committees. This year, two Alumni were elected to AIOH Council: Secretary Simon Worland and Councillor Gillian Felton. Congratulations!

### **4. Research:**

We now have 6 COH's undertaking PhD's at UOW and an opportunity coming up for some funded research on Respiratory Health of Metal Workers. Please contact [jane\\_whitelaw@uow.edu.au](mailto:jane_whitelaw@uow.edu.au) (mailto:jane\_whitelaw@uow.edu.au) for more information on our UOW study and research programs.

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## Starting out at the AIOH

The AIOH Council and Membership welcomes the following new members

Jenni Bateman Provisional

Katherine Joyce Provisional

Frances Evans Full

Adam O'Malley Provisional

Luke Di Corleto Provisional

Eric Kokoschko Full

Jijo Kizhakematumal Full

Milankumar Patel Full

Claire Ci Corleto Provisional

Anthony Bamford Full

Christopher Aebi Full

Karen Tripp-Hall Full

Katrina Grose Associate Membership

Kerrilyn Taylor Associate Membership

Michael Allen Associate Membership

Michael Harwood Associate Membership

Wayne Midson Associate Membership

Alina Brown Associate Membership

James Peterson Associate Membership

Srijeeta Ratnayake Associate Membership

Garth Jacobs Associate Membership

Rhonda Hedger Associate Membership

Jason Snaidero Student Status

James Gardner Associate Membership

Lorelle Rogers Associate Membership

Ashley McDonald Associate Membership

Benjamin Shelton Associate Membership

Meagan Egerton Associate Membership

Sam Mitchell Associate Membership

Tim Disbury Student Status

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## National Update

### Special General Meeting to amend the AIOH Rules and Statement of Purpose

The AIOH was incorporated in Victoria under the Associations Incorporation Act 1981 on 05 December 1988. This legislation has been replaced by the Associations Incorporation Reform Act 2012 and associated regulations. Changes to the Associations Incorporation Reform Regulations 2012 will require changes to the AIOH Rules and Statement of Purpose (**Rules**) to ensure we remain compliant.

Probably the most significant change is to the voting rights of members. The Associations Incorporation Reform Regulations 2012 – Schedule 4 Model Rules for an Incorporated Association Rule 13(2) specify the voting rights of members:

A member is entitled to vote if—

- the member is a member other than an associate member; and
- more than 10 business days have passed since he or she became a member of the Association; and
- the member's membership rights are not suspended for any reason.

The current AIOH membership structure is described in Section 6.1 of the AIOH Rules and shown graphically in the following diagram.

Under our current Rules, only Full Members and Fellows have voting rights. Provisional Members are unable to vote, which is no longer not compliant with the Model Rules of Associations Incorporation Reform legislation. The review of the AIOH Rules is currently being conducted by the Council and the Special Advisory Committee (SAC). A gap analysis is being prepared to identify the areas of non-compliance. This will be followed by redrafting and amendments to the AIOH Rules to bring it into compliance with the legislation. These amendments will need to be approved by a Special General Meeting, to be organised later this year.

An option under consideration is to roll the Provisional Member grade into Full Member. The requirements for Full Member (currently Rule 6.2.1) would not change. Rule 6.2.1(c) requires applicants for Full Member to have worked for more than five years in a professional capacity in the field of occupational hygiene or one of its specialist branches. Under the proposed change, those Provisional Members with more than 5 years' experience would be grandfathered into the Full Member grade. Provisional Members with less than 5 years' experience would be grandfathered into Full Member after achieving the required five years of experience. If this model is adopted, eventually there would be no Provisional Member grade. In the interim, Provisional Members will be granted voting rights.

Philip Hibbs and Caroline Langley

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## In Memorium

### Steven Kee

The AIOH is saddened to advise members of the unexpected passing of our longstanding and energetic member, colleague, and friend, Steven Kee on 3 January 2018.

Steven was a Fellow of the AIOH, a Certified Industrial Hygienist with the ABIH (admitted 07 December 1992) and a Certified Occupational Hygienist (COH)<sup>®</sup> with the AIOH (grandfathered December 2004). He was an active member of the AIOH for 30+ years and contributed some 15

papers at AIOH conferences. Steven also presented at the 2012 IOHA Conference in Kuala Lumpur and 2015 IOHA conference in London.

Steven held the following academic qualifications (i) Bachelor of Applied Science (Env. Health) from Curtin University (awarded in 1978), (ii) Graduate Diploma of Occupational Hygiene from Deakin University (awarded in 1989); (iii) Graduate Diploma of Occupational Hazard Management from Ballarat University College (awarded in 1991) and (iv) Graduate Diploma in Environmental Science from Monash University. Steven joined the AIOH as an Associate Member in July 1987. He was granted Full Membership in August 1993 and made a Fellow of the Institute in 2013.

Steven was well liked amongst the Australian occupational hygiene community as an energetic, thoughtful, intelligent contributor to the many and varied activities in which he became involved over his long and distinguished career. A regular at AIOH events, he was always well informed and knowledgeable on the issues in play and approachable and generous with his time to those interested in furthering the discussion. He remained committed to our scientific and ethical principles throughout his career.

Steven worked as an occupational hygienist across a varied range of resource industries and companies including oil, various commodity minerals, and associated mining and exploration, both surface and underground, smelting and refining in Australia and overseas. His other experience included aviation, marine, shipbuilding, commercial diving, manufacturing, major construction and major demolition.

Tracey Bence in reflecting on her association with Steven provided the following comments:

1. Contributor to the COH Examination Board since its inception in 2004
2. Long standing and enthusiastic member of WA chapter of AIOH, regular attendee at meetings since early 2000s
3. Strong contributor to Membership & Qualifications committee reflecting his enthusiasm for progression of new hygienist and the hygiene profession
4. Well known for his strong intellect, and technical and scientific capability.

Steve worked in various roles across several States and Territories. In the early 1990's he was working for Shell at the Geelong refinery. He then moved to Western Australia in 1995 with Rio Tinto before relocating to Darwin in 1997 – 2000. He had by then started his own consultancy company OccDev which he continued to work under until his passing in Mount Isa earlier this year.

In closing, I have included some thoughts from Jeremy Trotman as it sums up Steven well.

"I did not work with Steve and had not seen him in many years other than catching up at AIOH Conferences, but can clearly remember him from those events, the early days when we studied for the ABIH CIH along with Georgia Sinclair, Sonny Maher and a few others and several trips to Mount Hotham skiing. The memory is of a highly intelligent, energetic contributor to the Occupational Hygiene field and the many other intellectual and sporting activities in which he involved himself. A keen commentator, at our conferences, well informed and ready to provide comment, critical or otherwise and always constructive. Never in my experience was a destructive

element detectable in his enthusiastic input and he was always very approachable, generous with his time and more than happy to continue discussions with anyone of a similar bent. The little I knew of his sporting life seemed to mirror his occupational hygiene activities in energy levels and commitment. On one occasion he woke up the lodge, arriving at three thirty in the morning, only to be up the same morning at seven and out at eight in below freezing temperatures and gale force winds to beat the non-existent crowds. With his passing we lose an intelligent and committed hygienist and genuinely nice guy. Jeremy Trotman.”

He was a most remarkable bloke and his passing is a big loss to the Institute and our profession.

Steve is survived by his wife Fiona and two daughters Madeleine and Elizabeth.

Our thoughts are with his family and friends.

Philip Hibbs

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## HOWARD L. KUSNETZ (1929 – 2017)

Our colleague, and inaugural AIOH Honorary Fellow, Howard L. Kusnetz, CIH (Ret.), CSP (Ret.), passed away on 21 December 2017.

Howard had a long and distinguished career in industrial hygiene. Having gained his B.A. in English Literature, a B.S.E in Chemical Engineering and M.Sc. in Industrial Hygiene from Columbia University he commenced his career as a research chemist with Geigy Company then moved to the US Public Health Service in 1951 undertaking a large and varied range of field assignments.

These included exposure monitoring and control of radon daughters in Colorado uranium mines and mills where he developed the Kusnetz Factor to correct for the number of atomic disintegrations between sample collection and the midpoint of alpha particle counting, two stints at the atomic bomb tests in Nevada, and hazard identification and control on nuclear submarines. He was a major part of the team that authored the Occupational Safety and Health Act of 1970 and the subsequent creation of OSHA and NIOSH.

He rose to the position of Assistant Director of NIOSH and held the rank of Captain as a Commissioned Officer in the United States Public Health Service (USPHS). Having spent 20 years in government service he then took up the position of Manager, Industrial Hygiene with the Shell Oil Company based in Houston and was later promoted to Manager, Safety and Health, Manufacturing.

He was an avid communicator, educator and had a primary interest in developing young professionals as such he published widely and held the positions of Professor and Visiting Lecturer in nine separate Universities, and was on numerous international committees particularly with ILO in Geneva. Howard had a passion for contributing to the development of industrial hygiene and contributed to ACGIH, served on the Board and then as Secretary of ABIH for 7 years, and on numerous committees of AIHA from 1961 through to 1986 when he was President.

Howard introduced the first certification program to Australian hygienists, the ABIH, before the AIOH established their own program. He first came to Australia in 1982 at that time he was Secretary of the ABIH and was to Proctor the first CIH examination held the weekend prior to the first AIOH Conference held at Melbourne University. Whilst 14 then young hygienists sweated out the four 3 hour certification examinations, Howard caught up on Australian culture by reading the rules of cricket. This was the beginning of a long professional and personal friendship with many in the Australian profession.

He openly shared his breadth of experiences with us, and many will remember him relating his numerous adventures. In particular monitoring exposures during the atomic bomb testing program in Nevada during the 1950's, where he was involved in measuring the level of radiation at ground level which he did by holding a Geiger tube out the window of a Dodge sedan as they drove across the desert chasing the fall out cloud. Another involved the problems associated with addressing the government brief of assessing the personal radiation fallout on all major occupational groups in Nevada, even though the second largest occupation in the area was known to be prostitution.

The AIHA Kusnetz Award was established 1987 to honour a certified hygienist under 40 years of age who is currently employed in the private sector and who by exhibiting high ethical standards and technical abilities has provided for the highest standards of health and safety protection for employees for whom he or she is responsible; and who shows promise of leadership in the industrial hygiene profession. There have been many winners who went on to be successful leaders in occupational hygiene with the first awardee becoming the Director of OSHA.

Howard was the central American figure involved in forging links between ABIH, AIHA and the AIOH, including being part of a group presenting the case for the AIOH to be the first group outside the USA to independently run the ABIH certification examination. He was also instrumental in nominating and promoting Trevor Jones in 1988 as the first Australian AIHA Yant Awardee, and also in subsequent years four other Australian Yant Award recipients. The initial Yant Award led to discussions with the local group of MSA for the sponsorship of the first AIOH member development award in the form of the MSA Scholarship for postgraduate study in occupational hygiene (now the AES Postgraduate Scholarship) and a later Yant Award led to the sponsorship of the AIOH Draeger Professional Development Award.

In 1990 Howard was granted AIOH's first Honorary Fellow and continued to share an interest in the AIOH and its members right up until his final days. Over the years Howard and Florence together have generously and warmly invited all Aussie attendees at an AIHA conference, to the 'A Team - Kusnetz Dinner'. This became a tradition that has made Aussie delegates not only feel personally welcome at the AIHA's huge event, but forged lasting personal and international friendships.

Howard was more than just a colleague, he was an inspirational mentor touching many in both their professional and personal life by sharing a simple but effective approach to life, friends, the profession and community as well as to his religion. Howard is survived by Florence his loving wife of 67 years and a large three generational family in the USA and Israel.

Rest in Peace Captain HLK.



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## Research Bites

### **AIOH Exposure Standards Committee Report by Ian Firth**

The AIOH Exposure Standards Committee has responded to a request from SafeWork Australia to peer review their draft position paper on criteria for assignment of a skin notation in Australia and their Skin Notation Calculator. The aim of the draft document was to establish clear criteria for the assignment of a skin notation in Australia, in general being consistent with those used by most international standard setting agencies.

NATA is in the process of withdrawing technical documentation regarding procedures and frequency for calibration of field and laboratory equipment used for occupational hygiene assessments and analysis. These documents were developed by experienced AIOH members as part of their role on the previous NATA Occupational Hygiene Technical Committee. The technical content of the documents along with copyright is being handed over to the AIOH, to be published as Technical Papers.

The information included in the Technical Papers attempts to provide practical and pertinent information to assist Occupational Hygienists or laboratory personnel to use correct sampling or analytical techniques and equipment for collecting valid samples, which can be used to compare against the relevant workplace exposure standards (WES) where personal sampling has been conducted.

The committee, with major input from Linda Apthorpe, has re-drafted three papers for approval by Council:

- Air sampling pumps - equipment and calibration requirements.
- Flow measuring equipment: calibration requirements.
- Asbestos analytical equipment: calibration requirements.

### **Reclassification of Welding Fume as Carcinogenic - from an Australian Perspective**

AWS recently wrote a follow-up White Paper on the recent “reclassification of welding fume as carcinogenic”, from an Australian perspective pulling relevant information from multiple sources into one easy to read 12 page document. This was so that Australian employers of welders and welders themselves can make better decisions regarding welding fume and suitable respiratory protective measures.

The paper also attempts to raise awareness of workplace cancer risks associated with welding so that welders question and challenge whether they are suitably protected even when operating under the current Australian workplace exposure standards for welding fume.

AIOH members may be interested to read this White Paper and can download by visiting <https://www.awsi.com.au/welding-fume-and-welders-respiratory-protection> (https://www.awsi.com.au/welding-fume-and-welders-respiratory-protection). (Copy provide courtesy of James Montgomery, AWS).

## Professional Development

### AIOH SLO update

### Old South update by Mark Russell, SLO

### Queensland Member Survey Results

Thank you fellow Queenslanders for your input on the State Chapter meetings. A total of 23 responses were returned. Your feedback included requests for sessions on new sampling & analytical techniques, ethics, COH practice exams, case studies of interesting or difficult issues that other members have experienced, highlights of the conference as well as sessions on the old stalwarts of dust, mould, asbestos, heat stress, vibration and noise (actually mould seemed prevalent and invasive, infesting the survey results).

One respondent also suggested replicating the WA Chapter session (A Brief History of Poisons) and as I had the pleasure of attending the WA Chapter meeting in Perth this week, I'm inclined to agree. Hats off to our Sandgroper colleagues; Barry Chesson and his team have set a high bar indeed.

In terms of incentives to increase attendance, suggestions included beers and bringing a non-member for free. Venue preference was a mixed bag (not unlike our recent state election results) with office (34%), other (unspecified - *thanks for that*) at 28% and pub (a surprisingly low 14%) leading the categories. The majority of respondents (48%) indicated a preference for sessions to be held after work with 'lunch & learn sessions' (24%) and breakfast at 19%. General consensus (69%) was held on a session run time of 1 to 2 hours including networking with a spread of 30 mins to 5 hours (someone really loves their hygiene!). No clear preference was held on days of the week but as a group, we are unanimously protective of our weekends.

For those living outside of Brisbane (28%) and given the tyranny of distance in our great state, 52% of respondents have also asked for increased use of virtual sessions to access technical content when they can't physical make it. This is something that we have trialed previously but will work on.

So the summary version (through the magic of Bayesian statistics) is that we would like to have a virtual session on mould, after work, not on a weekend and not at pub. Statisticians can forward their complaints on sampling methodology and results presentation to [unreadcomplaintsonsamplingmethodolgyandresultspresentation@hotmail.com](mailto:unreadcomplaintsonsamplingmethodolgyandresultspresentation@hotmail.com) (mailto:unreadcomplaintsonsamplingmethodolgyandresultspresentation@hotmail.com) Seriously though folks, thank you very much for taking the time to give me your feedback and giving me

something to work with. Thank you also to those members who have offered their workplaces up as a venue. I know that we won't be able to please all of you all of the time, but we will endeavor to target sessions that will appeal to many of you.

As always, feel free to contact me. Except about statistics.

## WA update by Janine McClements

The ChemCentre at Curtin University welcomed over 60 attendees to the WA Chapter's first Sundowner for 2018 on February 26<sup>th</sup>. The drawcard for the evening – apart from the great opportunity to network while enjoying the excellent refreshments supplied – was our own SLO, Dr Barry Chesson AM, also the “mostly retired” Managing Director and Principal Consultant of Occupational Hygiene Solutions Pty Ltd.

Formal proceedings began with Barry's update on Institute news and Council activities, then Wayne Powys kindly took the floor to manage the proper introduction for Barry and his topic “A Brief History of Poisons”. Wayne's words highlighted Barry's outstanding career history and general recognition by his peers as an expert in occupational health and hygiene, as well as his long and strong contribution to our Institute and his related work in the education and regulation areas.

What came next was a quite amazing journey for the audience through the ages and stages of understanding related to numerous poisons, and the ways humans have shared and applied that knowledge, though sadly not always with the best intentions. Picture the ancient Persians employing a mix of sulphur and flaming pitch to gas Romans in their counter-mine for example, and then many other instances through to this day and age where we hear of poisons like the nerve agent sarin in use. Or consider the horrible consequences of Zyklon B in the Nazi gas chambers.

But Barry expertly managed to make sure the topic wasn't just “bad news” and contrasted that content with the benefits of the knowledge developed over time. His case was illustrated with many interesting examples, some of the more well-known being Paracelsus and Ramazzini, who came to be known respectively as the “fathers” of toxicology and of occupational medicine. Barry also drew on his depth of knowledge to pepper the presentation with a range of amusing anecdotes that meant it was both informative and entertaining.

The Chapter extends its warmest thanks to Barry for sharing his presentation with the group. We would like also to thank Daniel Cronje, Tanja Koeberle-Troy, Greg Payne who volunteered on the registration desk and, of course, the ChemCentre for the outstanding support they provide to these events including the venue, staff to assist with setting up and AV matters, and financial contributions.

Lastly thanks to our wonderful attendees! We'd love to see you, and your colleagues and friends, at other Sundowners in our program. Take note of the dates below to be sure you don't miss out.

- May 28 – A Twist on Conventional Wellness Programs : A Mental Health Initiative – Andrew Chandran, Jacobs

- August 27 – Fatigue Management Part 3 – Dr Nick Mabbott, Beyond Midnight Consulting
- November 19 – Health & Hygiene Management Plans – Paul Foley, DMIRS

Dr Barry Chesson receives a token of thanks from his sundowner presentation from Wayne Powys

## Committee Updates

### Mentoring Committee

The mentoring committee held a byo lunch meeting at the conference in Canberra. Gerard organised videos from two mentees who clearly valued their mentor and the time they had spent. Some mentors also spoke warmly about what they gain from the process.

Thank you to our wonderful members who have volunteered to be mentors, some have already been allocated a mentee, others will be tapped on the shoulder as soon as we have need for a mentor in their area.

Members who have volunteered include: Adelle Liebenburg, Andrew Bennet, Andrew Marciniak, Barry Chesson, Brett Young, Charles Steer, Dan Le Van, Deb Glass, Dianne Corey, Garry Gately, Gary Forster, Ian Firth, Jim Napier, Justin Collins, Kerrie Burton, Maggie Davidson, Martin Jennings, Mike Shepherd, Neil Goulding, Owen Boscheinen, Peter Knott, Peter Simmonds, Philippa Gibson, Ron Capil, Russell Bond, Sharann Johnson, Soudy Eshraghi, Stephen Dean, Teresa Smith, Tracey Bence, Wayne Powys.

If you would like to be added to the list please contact Deb Glass.

### Professional Development & Education

The PD&E Committee has been working to up-date the AIOH Basic Principles course and to create an exciting seminar series for 2018. The committee's work is ongoing with regards to accreditation and re-accreditation of University Masters courses in Occupational Hygiene.

### Certification (COH)

#### CALLING ALL ASPIRING COHs

Many members of the AIOH aspire to reach COH status, as attaining certification is the pinnacle of the occupational hygiene profession within Australia. The AIOH strongly supports the professional development of members and encourages those with aspirations to become a Certified Occupational Hygienist. If you have considered applying to sit the COH exam this year, now is the time to plan. Your completed Full application must be lodged with the AIOH by Monday **the 30<sup>th</sup> of April 2018** if you wish to be considered for the COH exam this year.

**Read the guide on Professional Membership here**

(<https://www.aioh.org.au/documents/item/351>)

REMINDERS TO ALL COHs

- All COHs must ensure they complete ethics training during their maintenance cycle.
- COHs are responsible for retaining their own evidence of courses attended such as certificates, agendas, training programs.
- Any new maintenance requests must be submitted to the COH Board for review. (*provide link*)
- COHs must upload all their evidence against each activity in their MyCOH account. Make this a routine activity and do not wait until you are flagged for Audit as there have been cases where evidence cannot be produced (e.g. Change of job, crashed computers).

Need to know more? Contact Andrea Mitchell, AIOH Membership Coordinator (03) 9338 1635 or email [membership@aioh.org.au](mailto:membership@aioh.org.au) (<mailto:membership@aioh.org.au>).

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## OH Matters - a note from the Editor in Chief

Thank you to those of you who responded to questions in the AIOH Value Proposition regarding the eNewsletter.

It's good to know that 90% of respondents say they read it!

Some important areas were highlighted to be of interest to members, and the editorial team wanted to let you know we hear you loud and clear!

So, for 2018 we will continue to focus on the things you want to read, which seems to include **technical and scientific content**, and **what's happening** in the Institute and Council. In fact, we'd like to propose some **Themes** for each edition relating to technical and scientific content. We'd love to hear from you on what Themes interest you, so please send in your suggestions to the Editor via [admin@aioh.org.au](mailto:admin@aioh.org.au) (<mailto:admin@aioh.org.au>). Suggestions might include traditional hazard categories or special expertise groups, epidemiology and toxicology, or innovations and advancements in exposure assessment and control. Furthermore, if you have a pre-prepared piece you think might be of interest to members (just a few hundred words with some web links to whet the appetite would do!) feel free to send it in at any time during the year. Perhaps you've simply found some useful links to documents or websites, please share them! As Editor, I'll kick things off next edition with my own "Editor's Picks" where I hope to provide links to recently published occupational hygiene articles and reports (including open access) showcasing Australian authors (not forgetting international ones too).

As always, we welcome any feedback and suggestions regarding your eNewsletter so please send any comments to the Editor, Dr Sharyn Gaskin via [admin@aioh.org.au](mailto:admin@aioh.org.au) (<mailto:admin@aioh.org.au>).

The AIOH eNewsletter will be changing its publication dates – essentially moving forward by one month.

The new publication dates will be:

15th July 2018 (previously 15th June)

15th October 2018 (previously 15th September)

15th January 2019 (previously 15th December)

15th April 2019 (previously 15th March)

This is particularly valuable to ensure we can include lots of information from the annual Conference and Exhibition