



E-Institute

Official Newsletter of IPA

60th Anniversary:

The Institute of Plumbing Australia celebrated its 60th Anniversary on 27th September 2014 and I thought that rather than talk about the doom and gloom of the present I would reflect a little on where we have come from and where we are at today.

The beginning goes back to early 1954 when several gentlemen associated with the plumbing profession in the various States of Australia met and discussed the formation of an

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organisation having for its objects the promotion of a higher educational and technological understanding within the profession.

Following those early talks and under the Chairmanship of Mr W H Monaghan and in the presence of Messrs Bain, Hart, Lawson and Shuell, together with delegates to the Annual Conference of the Federated Master Plumbers of Australia and 19 observers, the Institute was inaugurated on Monday 27th September, 1954 at a meeting held in the Conference Room, King Edward Hotel, Hay Street, Perth, Western Australia.

Preliminary rules were approved and Mr S H Bain was elected to be the first President of the **Institute of Plumbers of Australia**.

The foundation members were all leading entrepreneurs of the day and met criteria such as 15 years membership and presidencies in their local state Master Plumber Association.

In 1964 it was resolved by a majority vote of 51 for and 30 against that "the name of the Institute shall be henceforth **The Institute of Plumbing Australia** and since then we have become Incorporated.

Having been founded by senior members of the Master Plumber movement (and still with many master plumbers as members) the Institute is constituted so as not to be involved in commercial aspects of business such as contractual matters, awards and wage rates or advising on business matters such as insurance etc. The closest the Institute comes to commercial aspects is an active promotion of best practice regulation and definitions of plumbing work to better protect and improve public health and safety and the environment.

Our objects and the early history noted below demonstrate our dogged pursuit of best practice in all aspects of what is today a very complex and interconnected plumbing system where the slightest deviation from or reduction of standards may compound into a major risk to public health and safety and/or the environment. Please consider joining us in this our 60th year of promoting a professional and unbiased view of best practice to government and to those wishing to degrade the role of plumbing in protecting public health. Simply email the Secretary or download and application from www.plumbing.org.au

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THE OBJECTS FOR WHICH THE INSTITUTE IS ESTABLISHED AND INCORPORATED ARE:

- (I) The promotion, for the benefit of the public in general, of the art, science, technology, profession and practice of Plumbing and/or its Associated Callings and
- (II) The advancement of education in the said art, science, technology, profession and practice; and for those purposes, but for no other purposes to do any of the following things:- (see www.plumbing.org.au for the full constitution)

Some history from the birth of the Institute taken from some early minutes demonstrating the forward thinking that has dominated from the beginning:

Inaugural Meeting 27 September 1954

King Edward Hotel Perth

Mr Sid Bain of NSW MPA was elected President of the Institute of Plumbers.

Mr Bain in taking over the Chair stated that it was a very great honour to be the first President of the Institute. He said that for years he had been concerned with the status of the trade and the desirability and necessity of lifting it to a higher place in the community. He was hopeful that the Institute would do much to assist the craft in this objective. In his opinion there was a place for such an Institute of this type in the Commonwealth and he expressed pride in his appointment.

Meeting of Institute Committee 29 September 1954

Adelphi Hotel Perth

The First Council of the Institute was elected.

President	-	Mr S H Bain	NSW
Vice Presidents	-	Mr W H Monaghan	QLD
		Mr S G Hart	WA
Secretary	-	Mr S M Gilmour	
Treasurer	-	Mr J Curtis	VIC
Councillors	-	Mr T Timmins	NSW
		Mr C W Wymer	NSW
		Mr A J Shuell	VIC
		Mr F C Watson	QLD
		Mr D Jeffrey	

Council Meeting 6 September 1955 Sydney

Agenda items

'Technical and Research'

- (b) Necessity for a consolidated Plumbing Code and means of Implementation.

Mr Shuell reported that the Federated Master Plumbers of Australia had decided to refer this matter to the Institute.

It was decided to allocate an amount of 50 Pounds for the purpose of preparing the basis for subsequent discussion and implementation of a plan for a common plumbing code throughout Australia.

Education

Mr Hart reported that an attempt had been made in Western Australia to introduce basis for a purely professional course. An advisory committee drawn from various sections of the plumbing profession has been set up and a syllabus for a two term pilot course has been prepared. The curriculum will be amended in the light of experience, and then a two-year course and ultimately a four years' course leading to a University course, will be considered. The proposed syllabus will be submitted for the consideration of the Council of the Institute.

1955 to 1965

1964 name changed to The Institute of Plumbing Australia

Matters remaining on the Council agenda included:

Uniform Plumbing Code – pursued generally at state level to standardise by-laws but also by approach to the Federal Government Minister for Housing

Uniform education syllabus

Advanced training to Diploma level

Council Meeting 5 June 1964

Letter received from the Federal Government Minister of Works acknowledging previous correspondence from the IPA regarding Uniform By-Laws and stating that at a conference of Water Supply Authorities the matter of uniform by-laws had been discussed. The only action decided was that the Authorities would keep each other informed regarding changes to their individual by-laws by which, it was expected that a greater uniformity would, in time, be achieved. The wisdom of leaving it to the state authorities was questioned, it was considered that uniformity should be sponsored by the Commonwealth Government.

Correspondence between the IPA and the Federal Minister regarding a Uniform Plumbing Code (this also including agreement with the proposal for a Uniform Building Code) was ongoing in 1965.

Council Meeting 1 June 1966

A report on technical aspects of a Uniform Plumbing Code was provided by the WA Chapter and the meeting resolved to send the report to the Federal Minister for Housing.

Council Meeting 6 October 1966

IPA to pursue its objective of a Uniform Plumbing Code direct with the appropriate Commonwealth Government Department.

And also to:

- ☐ request a grant to set up a plumbing research centre
- ☐ cost of centre to be funded from levies on building works or land tax
- ☐ the IPA be strongly represented on controlling panel
- ☐ research lab to be under control of CSIRO
- ☐ MPA to be kept informed
- ☐ IPA to visit Canberra if required
- ☐ IPA committee to be set up to pursue above

Council Meeting 31 May 1967

After much correspondence and meetings in Canberra it was found that the matter of a Uniform Plumbing Code had been sidelined by other matters at the Department of Housing.

Council Meeting 10 October 1967 held in Canberra

It was decided that the proposal for a Uniform Plumbing Code would be better advanced by approach to the Interstate Reciprocity Council and Australian Standards.

Council Meeting 18 April 1969

Uniform Plumbing Code – It was reported that slow progress was being made through the Reciprocity Council and that the Standards Association had indicated that they would be unable to give any attention to the matter for some time. It appeared that representations to the Federal Government in Canberra had been shelved.

The Institute eventually wrote its own Uniform Plumbing Code, the Standards Association came on board and today's suite of plumbing standards were born. Today the Institute continues its active involvement with standards technical committees.



From Left to Right

Seated

D.J. (Don) Edgar
C.L. (Clarrie) Talbot

Institute Secretary
Institute President

Standing

J.G. (Jack) Holder
K.P. (Kevin) Phelan
C.S. (Colin) Southall
F.M. (Frank) Lindner
B. (Bruce) Harris
F.R. (Frank) Champ
R.B. (Bob) Vellacott
L. (Loch) Simpson
D.V. (Don) Pritchard
D.G. (Dave) Turnbull
R.T. (Dick) Lyons
S.G. (Graham) Hart
S. (Steve) Movley

S.A. Councillor
Vic. Observer
N.S.W. Councillor & Mod. of Exams.
Q'ld Councillor
S.A. Councillor & Chapter President
Q'ld Councillor
Tas. Councillor & Chapter Secretary
W.A. Institute Trustee
Vic. Institute Trustee
Vic. Chapter President & Proxy Councillor
Vic. Councillor
W.A. Councillor
W.A. Councillor

Yours faithfully,

Don Edgar
D.J. EDGAR

The Institute Council 1977

WorldSkills Australia National Competition

The 2014 WorldSkills Australia National Competition was held in Perth from 18- 20 of September at the Perth Convention and Exhibition Centre. The major event saw almost 500 of Australia's most talented trade and skill technicians representing 49 specialised skill categories at what is known as Australia's largest trade and skill competition. Institute Secretary Stephen Movley attended and visited the Plumbing Section to deliver a set of Australian Standards for plumbing and gas for use as a reference by competitors and judges and also to view the competition and also the demonstration "Water Innovation Challenge"

Congratulations to the winners of the plumbing competition:

GOLD: Dylan Di Martino, Melbourne – VIC

SILVER: Sam Glisson, Ballarat/Wimmera – VIC

BRONZE: Sam Gifford, Riverina Murray – NSW

See the full results and photos on the competition [website](#)

An interesting exercise conducted in many of the trade categories was a speed test, in plumbing this required an intricate set of bends to reduce a 6 metre length of 15mm copper tube through multiple offsets to stand less than 2 metres tall within 20 minutes or less as shown in the photo.

Chief Judge Tyson Knight and the demonstration model produced and held by Judge Gerard Allen.



The Water Innovation Challenge was of particular interest as the Institute Secretary with his World Plumbing Council hat on at the time was one of the judges for a similar demonstration project at WorldSkills Australia in Melbourne a few years back. The inaugural Water Innovation Team Challenge contested by teams from Australia and USA was held in Singapore during their International Water Week in June 2014 and is an initiative of the WorldSkills Foundation.

In Singapore the multi-disciplinary teams of young professionals from plumbing, engineering and graphic design worked over three days to produce the best plumbing and sanitation solutions to meet the needs of communities in Nepal and Bangladesh using design briefs based on the actual conditions in the communities that will benefit from the developed solutions. Team USA won the overall competition and will participate in implementing the solutions in a community selected by Healthabitat as part of their global Sanitation Studios program.

The Water Innovation Team Challenge is supported by the WorldSkills Foundation, Healthabitat, World Plumbing Council, RMIT University and the Institute of Technical Education in Singapore. For more information visit www.worldskillsfoundation.org

In Perth RMIT University demonstrated one of the solutions utilising a hand pump from a well or other water source to a tank and a 12 volt pump to raise water to an overhead tank for gravity feed to plumbing fixtures. The 12 volt pump is driven by pedal power, a bicycle on a stand driving an automotive alternator mounted against the rear wheel, the faster you pedal the faster the tank fills but it is surprisingly hard work once they flick the switch on the alternator.



The demonstration model in Perth.

The Institute Secretary on the bike!



WORLDSKILLS AUSTRALIA AND RMIT UNIVERSITY BRINGING SAFE AND RELIABLE WATER TO REMOTE COMMUNITIES IN THE NORTHERN TERRITORY

Following the success of the inaugural Water Innovation Team Challenge held in Singapore, WorldSkills Australia and RMIT University will be challenging multidisciplinary teams of engineering students, plumbers, secondary vocational students and members of local communities to work together to deliver water supply solutions for two remote communities near Katherine in the Northern Territory, who currently have poor access to a safe and reliable water supply.

A Call for help to review plumbing textbooks

My name is Chee Ng and I am the publisher for the Cert III plumbing texts that are used nationally by TAFEs and RTOs.

I am hoping to get a better understanding of course patterns and the need for textbooks in this area and are seeking assistance from experts in the field.

We are in preparation for the new edition of our textbooks and I am looking for plumbing teachers/ subject matter experts to help us review the current edition of our textbooks: Basic Skills, Water, Gas, and Sanitary/Drainage texts.

Do you have anyone in mind who are qualified and may be able to assist us in this project? We do offer Coles/Myers vouchers as a token of appreciation of the time and effort spent by the reviewers.

I look forward to hearing from you soon.

Chee Ng

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Water, Sanitation, Hygiene and Health Newsletter N° 181/ 22 August 2014



Join WHO at World Water Week in Stockholm, 31 August – 5 September 2014

Global Monitoring of WaSH: A 2014 Update

Sunday 12:45-13:45 Room K21

The latest monitoring reports from the WHO/UNICEF Joint Monitoring Programme and GLAAS, including results of the new TrackFin initiative, will be presented.

Post 2015: Target on “Universal Access to Drinking Water”– What Water Quality?

Sunday 17:45-18:45 Room K21

Post-2015 proposals for drinking-water will be presented and discussed, with special consideration of the challenges of monitoring drinking-water quality.

New Approaches to Wastewater and Water Resource Management Monitoring in the Post-2015 Era

Monday 14:00-17:30 Room K2 (join via webex tinyurl.com/WWQMWRMPPost-2015)

Post-2015 global monitoring options for wastewater, water quality and water resources management will be presented and discussed.

Sanitation Business Models for Safe Resource Recovery and Reuse (RRR)

Tuesday 09:00-12:30 Room T2

WHO will present the sanitation safety planning (SSP) approach and trial results along with overviews of sanitation business models, illustrated with case studies.

What do We Know about WASH and Nutrition Linkages to Reduce Child Mortality?

Tuesday 12:45-13:45 Room T6

UNICEF, WHO, LSHTM and USAID will lead a discussion on linkages between WASH and early childhood growth, and approaches to effective integration of WASH and nutrition interventions.

Drinking-water and Sanitation Fact Sheets updated

Recently updated fact sheets on drinking-water and sanitation summarize key statistics regarding global coverage and progress towards MDG targets, and highlight the benefits of improved water, sanitation and hygiene (WASH), including links with disease burden as well as economic and social effects. The fact sheets also describe challenges towards improving coverage, and provide information about ongoing WHO activities in the WASH field.

Please visit the [Sanitation Fact Sheet](#) and the [Drinking-water Fact Sheet](#) at the WHO website.

WASH and RMNCH

Improvements in water, sanitation and hygiene (WASH) can dramatically benefit reproductive, maternal, neonatal and child health (RMNCH). The Partnership for Maternal, Neonatal and Child Health has produced a Knowledge Summary detailing linkages with WASH, throughout the continuum of care from adolescence and pre-pregnancy through pregnancy, childbirth, and early childhood.

Please visit the [Knowledge Summary](#) at the PMNCH website.

WHO Collaborating Centre offers free online course on urban sanitation

Eawag/Sandec, the WHO Collaborating Centre for Sanitation and Water in Developing Countries, is offering a new Massive Open Online Course (MOOC) course on urban sanitation in developing countries in collaboration with the Swiss university EPFL. The free course, "Planning & Design of Sanitation Systems and Technologies" runs from 13 October to 16 November 2014, and introduces sector planning tools and frameworks such as Sanitation 21, Community-Led Urban Environmental Sanitation (CLUES) and the Sanitation Systems Approach. Participation in the MOOC is free of charge. For further information and to register for the course, please go to: www.coursera.org/course/sanitation

The following Standards Australia publication has been published.

Publication Number:	AS/NZS 2179.1:2014
Title:	Specifications for rainwater goods, accessories and fasteners Part 1: Metal shape or sheet rainwater goods, and metal accessories and fasteners
Publishing Date:	22-08-2014
Project Committee:	WS-014 Plumbing and Drainage

AS/NZS 5125.1:2014

Heat pump water heaters - Performance assessment-Air source heat pump water heaters Specifies the test conditions and test procedures for determining the energy performance characteristics of single-circuit air source heat pump water heaters. It applies to both stand-alone heat pump water heaters and heat pumps with the condenser integral with a storage tank. Includes a performance test for assessing performance against minimum performance requirements for heat pump water heaters.

➤ [Click for further information](#)



Working at heights?

Manufacturing requirements for
single-point anchor device used
for harness-based work at height



Hello Stephen,

New Standard Released!

Creating and maintaining a safe working environment when working at heights is essential.

[AS/NZS 5532:2013](#) specifies manufacturing performance requirements, test methods, and marking, labelling and packaging requirements for both fixed and portable single-point anchor devices for the protection of personnel against falls from a height for fall arrest, work positioning and travel restriction in an industrial environment.

For requirements on the design, manufacture and proper implementation of scaffold decking components see [AS/NZS 1577:2013, Scaffold decking components](#).

[Preview Now](#)

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Information Services Division

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For your diary:

2014 Joint Industry Plumbing Conference – 13-14 November 2014; Queensland

www.plumbingconference.com.au

New Shopping Cart makes it easier to purchase and download the E-Book

Selection and Sizing of Copper Tubes for Water Piping Systems by Barrie Smith

E-Book sales are now automated from 20 June 2014. Website address will remain as www.plumbing.org.au and follow the links to Technical Books through to the shopping cart and pay by PayPal or Credit Card for immediate download.

Companion Spreadsheet files utilising the E-Book are still freely available as an additional download when you complete your shopping cart journey.

Your input into this Newsletter and other IPA matters is always welcome and in fact sort after. If you are not already a member why not join and really help us provide a voice for plumbers and plumbing. Simply email the Secretary below.

Contact

Follow us

Comments on matters raised in E-INSTITUTE or suggestions for future issues are welcome and may be sent to the Editor at:

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