



### CMA AS A DE-ICER

The front page article of the latest edition of *Infrastructure* has an interesting story about using the new de-icing salt called CMA (as distinct from common salt) on the roads in New Zealand when it is snowing. CMA is calcium magnesium acetate.

CMA does not cause corrosion of car bodies like sodium chloride does - and it has taken about 20 years of trials to confirm this. They do not use CMA in the USA, Europe or Japan, because it is expensive.

This is an interesting way to minimise car body corrosion.

## Website of the Month

### WebCorr - the Corrosion Clinic

Some types of corrosion can be prevented through good practice in materials selection and design, while other types can be controlled if diagnosed early.

Corrosion diagnosis involves a number of destructive and non-destructive inspection and examination techniques such as visual and NDT inspection, chemical, electrochemical, metallurgical, mechanical and microstructure analysis. Unexpected corrosion failures can be avoided through corrosion testing and corrosion monitoring.

Life prediction can help to determine the remaining life of structures, equipment and components. It also helps to plan inspection and maintenance schedules before permanent corrosion damage occurs.

Please visit: [www.corrosionclinic.com/about\\_us.htm](http://www.corrosionclinic.com/about_us.htm)

### ACANZ WELLINGTON DIVISION MEETING

*"In-situ Synchrotron Studies of CO<sup>2</sup> Corrosion"*

**Date** Wednesday March 6th, 2013

**Venue:** Bloomfield Room, Angus Inn, cnr Waterloo Rd & Cornwall St, Lower Hutt

**Time:** 5:15 - 6:00 pm Light Refreshments & Social; 6:00 - 6:40 Presentation followed by discussion; 6:40 - 6:45 Feedback on ACA Conference 2012, Melbourne; 6:45 - 7:00, Division AGM; 7:00 - Dinner in restaurant for those interested in staying.

**Speakers:** Monika Ko (Quest Integrity) & Willie Mandeno (OPUS)

Monika is a Corrosion Engineer at Quest Integrity. She has been active in consulting in corrosion failure analysis, condition assessment, and risk analysis for New Zealand and international companies. She is presently enrolled in PhD studies at the University of Auckland on film formation properties of carbon steel exposed to CO<sup>2</sup> environments for oil and gas applications. This presentation will give an overview of synchrotron technique and its application in the field of corrosion.

Willie will give feedback on the ACA Annual Conference (2012) which was held in Melbourne last November. This will be followed by a brief AGM (to re-elect the existing Committee) and an optional meal for those interested in staying on.

All Members of ACA, their guests and any prospective members are welcome. Please RSVP to Bill Koelman on 04 970 3806 or email [billkoelman@paradise.net.nz](mailto:billkoelman@paradise.net.nz).

### ACA AUCKLAND DIVISION COMMITTEE 2013

At the ACA Auckland Division AGM held on 13th February 2013, the following Committee Members were elected:

**Wayne Thomson**, Anode Engineering (NZ) - Chairman

**Grant Chamberlain**, Electrix Ltd - Secretary

*Committee:*

**Bruce Fordyce**, Steelpipe

**Sean Ryder**, GHD

**Les Boulton**, Les Boulton & Associates Ltd

**Aaron Davey**, Marine and Civil Solutions

**John Duncan**

**Michel Nieuwoudt**, University of Auckland (Chemical Sciences)

**Raed El Sarraf**, Opus Consultants

**Mark Sigley**, Watercare Services Ltd

**Andreas Gabriel**, Felix Laboratories



# Australasian Corrosion Association Inc.

## NEW ZEALAND BRANCH MARCH 2013 NEWSLETTER

### CORROSION & PREVENTION 2013 CONFERENCE, CALL FOR PAPERS:

Submissions are now welcome on all aspects of corrosion and corrosion control for the annual ACA Conference - Corrosion & Prevention 2013.

Critical dates for acceptance of abstracts and papers are:

Close of Abstracts 29 March 2013

Acceptance of Abstracts 12 April 2013

Receipt of Papers 28 June 2013

Follow the ACA Conference link for more information on Corrosion & Prevention 2013 and to review instructions on how to submit an abstract. For more information on the Call For Papers contact Katherine Webber on +61 3 9890 4833 or [kwebber@corrosion.com.au](mailto:kwebber@corrosion.com.au)

### INTERNATIONAL CORROSION COUNCIL (ICC) UPDATE

The NZ delegates to the ICC are Willie Mandeno and John Duncan. They are presently engaged in updating the NZ entry for the 'Sources of Corrosion Advice' published by the Council.

An improved and user-friendly version of the web page [www.icc-net.org](http://www.icc-net.org) has been uploaded with updated information about the 18th ICC Congress in Perth in 2011 and the 19th ICC Congress planned for Jeju, South Korea, in 2014. There are also updated lists and directory of Council members, Minutes of Council Meetings, and Newsletters.

### 10 GOLDEN RULES OF CORROSION

*from Corrosion-Club.com*

1. If you think it will not corrode, think again
2. The devil is in the details (see 3).
3. Big picture and long-term thinking are also very important (the latter definitely still matters. See 2 and 7)
4. It is not only the poor metals and alloys that suffer (see 1).
5. Controlling it starts at the design stage - on the drawing board/CAD terminal (see 2 and 9).
6. Nobody said controlling it was easy ... (see 2).
7. Corrosion damage costs real money; consider the saying: "paying a little now (for prevention), or paying a lot later (for damage)".
8. Be careful out there ... of the pain in paint (remember good surface preparation is crucial, and see 2 and 9).
9. Enormous efforts of others have gone into developing professionally recognised codes, standards, specifications, guidelines, manuals ... worthy of consulting.
10. Many a small initial problem, if undetected or "conveniently" ignored, will eventually become a big (very inconvenient) problem that can no longer be ignored (see 7).

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