
LEAD Action NEWS

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The newsletter of The LEAD (Lead Education and Abatement Design) Group Inc.

PO Box 161 Summer Hill NSW 2130 Australia Ph: (02) 9716 0014,

Email www.lead.org.au/cu.html Web: www.lead.org.au/; www.lead safeworld.com.

Editor-in-Chief: Elizabeth O'Brien, Editorial Team: Matthew Jensen, Harriet O'Sullivan.

Volcano Art Prize & Lead Action Week 2015

Here at LEAD Group we are custodians of the environment, working each and every day for a lead-free world.

In pursuit of this goal, we work with government, business and communities. We work with local, national, and international partners. This month, **you are a key part** of our common cause.

We need **your creativity, your ideas** and your artistic flair. Entries are open now for the 2015 Volcano Art Prize. Read more about it in this newsletter, and get your artwork or short film in. Keep an eye out on volcanoartprize.com, as well as our Facebook and Twitter pages.

October sees the arrival of Lead Action Week 2015. Coordinated by the WHO, it's a week of events from organisations around the globe united by our common cause. We hope you'll enjoy our feature on this important week.

As always, our free online library and factsheets are available [here](#).



Source: WHO International Programme on Chemical Safety
http://www.who.int/ipcs/lead_campaign/objectives/en/



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Editorial

As winter gives way to spring (or is it sprinter¹?) change is in the air. A new Prime Minister is in the Lodge. We hope for renewed commitment on lead contamination from the Federal Government.

Effective regulation of environmental issues remains a challenge, as shown by Volkswagen’s recent recall of vehicles in the United States.

Here at The LEAD Group, we will continue to aim to be effective on our core issues, despite our limited resources. Our strength has always been grassroots, frontline engagement with concerned and affected individuals. We remain a key lead information source - impartial, dedicated to the community and to securing environmental outcomes.

We would like to extend an invitation to all companies and organisations with proven solutions in lead-free products and lead-safe services to consider a strategic partnership.

Please visit our ‘Partners’ section <http://www.lead safeworld.com/partners/>) which informs visitors of our Lead Safe World Partners' website about products and services that help manage lead poisoning and lead contamination. These organisations and products are easily-identified by the Logos: ‘Lead Free’, ‘Lead Safe’ and ‘Lead Away.’

¹ Considine, M., ‘Five Seasons in Australia?’, *ECOS/CSIRO*, <https://blogs.csiro.au/ecos/five-seasons-in-australia-meet-sprinter-and-sprummer/>



Volcano Art Prize Update

The LEAD Group proudly presents:



in association with the World Health Organisation (WHO).

This art and short film competition is open to all subscribers. It is part of the United Nations' *Lead Prevention Week of Action 2015*. This year's theme is:

*Valuing our environment, striving for a **lead-free world***

Tell us your stories about animal or natural environments you want to protect from lead exposure. Or the human story behind lead blood testing in remote areas.

This is your opportunity to be creative and have a platform for your ideas. All work produced will be proudly displayed on our website, volcanoartprize.com/ Suggested themes, prize details and previous entrants are also available [here](#).

Entries close Thursday October 15

Entry is open to all ages. Children can enter the competition at no cost. Entry for over 18s from OECD nations (including Australia) is A\$10. Full Terms and Conditions available on volcanoartprize.com



'Lava Bird' – Imran Meerab (2014 Prize Entrant)
Protect Our Birds From The Dangers of Lead
Quilled non-toxic coloured paper
<http://volcanoartprize.com/portfolio-item/lava/>

International Lead Poisoning Prevention Week of Action 2015

This year the World Health Organisation's Lead Prevention Week of action falls on the week of October 25th to October 31st. Lead Prevention Week is an opportunity to push for greater lead awareness in the community, spreading the word of this entirely preventable danger. This week we encourage all our members to speak out, to local politicians, on social media, to clients and friends and everyone you know about the dangers of lead poisoning.

Like asbestos, lead paint and dust can be a silent threat. Pre-1970s houses are more likely to be at risk and should be tested. Start a conversation in person or online. On twitter use the hashtag **#leadexposure**

The LEAD Group will be maintaining a loud social media presence throughout the week, so check out our Facebook page at <https://www.facebook.com/The-Lead-Education-and-Abatement-Design-LEAD-Group-Inc-280062912624/timeline/> and our Twitter page [@TheLEADGroupInc](https://twitter.com/TheLEADGroupInc) for articles and news to share.



Reactive Iron Sulphide plagues McArthur River Mine

By Matthew Jensen

This month, the ABC's Jane Bardon reported an iron sulphide outbreak had occurred at the McArthur River mine. The mine is operated by Swiss mining giant Glencore, and is located on the Gulf of Carpentaria in the Northern Territory.

Iron sulphide is a reactive waste created in the zinc mining process. Plumes have been emanating from the McArthur River site "in a larger scale than anticipated", giving rise to community concern. The Northern Territory Environmental Defender's Office called for mining to be suspended at the site, to allow for a more careful appraisal of the environmental impacts, the ABC said.

In response, the Territory Government has entered into discussions with Glencore on increasing environmental bond and remediation costs associated with the mine. Local indigenous groups are concerned about the lack of progress, and the Minister for Mines shares their concerns. A spokesman for the Minister told the ABC, "the bond money is deficient and the Government has been asking them to increase the bond".

The risk of the burden for environmental clean-up being shifted to taxpayers is real. David Morris, from The Environmental Defender's Office said "It's not the role of Government to protect and cover up mistakes of large mining companies". Any risk should be factored in to community health concerns, and the economic viability of the project. Preventative approaches are generally the least cost solution to contamination issues.

According to the ABC, the Territory Government had earlier failed to comply with a Freedom of Information request, which related to water quality testing and the contamination of cattle, among other concerns. Cattle exporters were unconcerned by this, noting any affected herdsmen had already been contact by the Territory Government. Negotiations between the Territory Government and Glencore continue.



*'Wondai' – Claire O'Brien (2015 Prize Entrant)
Got Lead? Lead contaminated cows pass on the lead to us
Material: Oil on canvas
<http://volcanoartprize.com/portfolio-item/wondai/>*



Recent additions to the world's largest lead library

LEAD Group Library additions selected by Elizabeth O'Brien

The LEAD Group lays claim to operating the world's largest publically-accessible lead library. All online library articles are accessible via our searchable deep-web online database. Listing my favourite new additions here means that they are readily findable via Google and other search engines, whereas our online database is only searchable if you **CLICK ON THE YELLOW HIGHLIGHTED LINK AT <http://www.lead.org.au/fs-index.html>** - and note that you can also search the online library using keywords.

Thanks to an army of pro bono library data-entry staff who help me to keep our library growing – we'll soon exceed 18,000 articles. Here's my selection of the most interesting articles added in the past couple of weeks. Especially a thank you Helen Gregory from the Newcastle Herald for sending us the Toxic Truth articles and Swetha Lingala for entering them into our library.

Title	Author	Date	URL
Amalgam and Heavy Metal Removals	Dr Nader Malik, Happy Teeth	10/12/2014	http://happyteeth.com.au/?s=amalgam ; FULL ARTICLE: http://happyteeth.com.au/general-dentistry/amalgam-removals/
Expert says he didn't endorse clean-up plan ONLINE 28/11/14 AS Toxic Truth:Expert 'didn't endorse Pasminco clean-up plan's. PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DONNA PAGE, DAMON CRONSHAW and HELEN GREGORY	27/11/2014	http://www.theherald.com.au/story/2811544/expert-didnt-endorse-clean-up-plan/
Bid to get more help ONLINE 1/12/14 AS Toxic Truth: Attempt to get more help for community. PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW	27/11/2014	http://www.theherald.com.au/story/2713328/attempt-to-get-more-help-for-community/
Warning fell on deaf ears ONLINE 1/12/14 AS Toxic Truth: 'Cap and cover' failed to protect PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	JOANNE McCARTHY	27/11/2014	http://www.theherald.com.au/story/2711883/cap-and-cover-failed-to-protect/



Title	Author	Date	URL
Newhome joy turned to shock at lead levels ONLINE 1/12/14 AS Toxic Truth: New home joy turned to shock at lead levels PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	HELEN GREGORY	27/11/2014	http://www.theherald.com.au/story/2740912/new-home-joy-turned-to-shock-at-lead-levels/
Wash, wipe you'll be right ONLINE 1/12/14 AS Toxic Truth: Wash, wipe you'll be right PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	JOANNE McCARTHY	27/11/2014	http://www.theherald.com.au/story/2740913/wash-wipe-youll-be-right/
Facing a legacy of lead ONLINE 1/12/14 AS Toxic Truth: Facing a legacy of lead PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	NEWCASTLE HERALD	27/11/2014	http://www.theherald.com.au/story/2877023/editorial-facing-a-legacy-of-lead/
Improved test for blood lead tipped ONLINE 15/2/15 AS Toxic Truth: More accurate lead level testing for Boolaroo PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	HELEN GREGORY	27/11/2014	http://www.theherald.com.au/story/2884514/more-accurate-lead-testing-for-boolaroo/
Cash boost for children ONLINE 15/2/15 AS Toxic Truth: Funds to renew blood testing PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2895515/toxic-truth-funds-to-renew-blood-testing/
Council to skip pollution forum ONLINE 15/2/15 AS Toxic Truth: Council to skip pollution forum PART OF: Toxic Truth: A Newcastle Herald Investigation [re:	NEWCASTLE HERALD	27/11/2014	http://www.theherald.com.au/story/2898074/toxic-truth-council-to-skip-pollution-forum/



Title	Author	Date	URL
Boolaroo Smelter remediation follow-up]			
Cleaning up with \$33m in fees ONLINE 24/2/15 AS Toxic Truth: Cleaning up with \$33m in fees PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DONNA PAGE	27/11/2014	http://www.theherald.com.au/story/2905847/toxic-truth-cleaning-up-with-33m-in-fees/
Chance to air your thoughts on lead contamination ONLINE 24/2/15 AS Toxic Truth: Chance to air your thoughts on lead contamination PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW	27/11/2014	http://www.theherald.com.au/story/2905849/toxic-truth-meeting-to-discuss-pasminco/
Call for Baird to act on lead ONLINE 24/2/15 AS Toxic Truth: Call for Baird to act on lead PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW and DONNA PAGE	27/11/2014	http://www.theherald.com.au/story/2910775/call-for-baird-to-act-on-lead/
Baird will hear concerns ONLINE 5/12/15 AS Toxic Truth: Baird will hear concerns over Pasminco legacy PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW	27/11/2014	http://www.theherald.com.au/story/2743611/baird-will-hear-concerns-over-pasminco-legacy/
Renewed hope for lead compo ONLINE 5/12/15 AS Toxic Truth: Renewed hope for lead compo PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	HELEN GREGORY	27/11/2014	http://www.theherald.com.au/story/2746503/renewed-hope-for-lead-compo/
Prisoners of propaganda ONLINE 8/12/14 AS Toxic Truth : Prisoners of propaganda PART OF: Toxic Truth: A Newcastle Herald	Donna Page, Matthew Kelly, Helen Gregory and Damon Cronshaw	27/11/2014	http://www.theherald.com.au/story/2748230/prisoners-of-propaganda/



Title	Author	Date	URL
Investigation [re: Boolaroo Smelter remediation follow-up]			
Detecting the Heavy Metal Concentration of PM2.5 in Beijing	Peking University, Greenpeace	5/03/2015	http://www.anlarop.com/anlarop/sites/default/files/The%20Detection%20and%20Research%20on%20the%20Heavy%20Metal%20Concentration%20of%20PM2.5%20in%20Beijing_2_.pdf
Extracts on Smoking and Cigarettes, from our only national survey of: "Lead in Australian Children - "Lead in cigarettes" paragraph on p18, "Smoking" section on p30, "Lead in cigarettes" section on p67 & "Smoking" paragraph on p72 of "Lead in Australian Children: Report On The National Survey Of Lead In Children"	Donovan, John; with assistance from Anderson, Phil; Daley, Caroline; Lea, Tony; and Luhse, Peter, AI	1/01/1996	PART OF Full report with appendices: http://www.abc.net.au/radionational/linkableblob/3988162/data/lead-in-children-data.pdf ; Appendices only: http://www.lead.org.au/Appendices_Lead_in_Australian_children.pdf ;
How to Quit Smoking to Reduce your Blood Lead Level	Jalal Abdallah, Written 22 October 2014 - during the Second International Lead Poisoning Prevention	22/10/2014	
his PhD on lead also]	by Robin Mosman, Information and Referral Project Officer NSW Community Lead Advisory Service		http://www.lead.org.au/lanv4n4/lanv4n4-17.html ; PART OF http://www.lead.org.au/lanv4n4/lanv4n4.html
Open ABC webpages: Isla MacGregor: Contributor - STORIES [photo essay] eg Legacy mine site Zeehan. Zeehan was once a large thriving silver/lead mining town.....old smelter ruins stand in stark contrast to the denuded hills.	Isla MacGregor	5/09/2014	https://open.abc.net.au/people/15744?page=1 ; https://open.abc.net.au/people/15744?page=2
Friday Night Improv (piano music composed on the	Pianist & composer: Ian Smith	5/03/2012	SOUNDTRACK OF http://volcanoartprize.com/portfolio



Title	Author	Date	URL
night as recorded) - used as the Soundtrack to the 2015 VAP Entry of Isla MacGregor slider / slide show, called Entropy			o-item/entropy-1/
Anthony Power Nutrition Newsletter, March 2015: To Organic or Not To Organic? Get the blood pumping [with Vitamin C rich foods], Plus Hair Trace Mineral Testing, Good Food Choices	Anthony Power Nutrition		http://us6.campaign-archive2.com/?u=48bc22000f6a6e81dfbb0db13&id=d108febf0&e=b62f849116
Apples Top Dirty Dozen List for Fifth Year in a Row: WASHINGTON - Apples, peaches, and nectarines topped EWG's 2015 Shopper's Guide to Pesticides in Produce™ list of the dirtiest, or most pesticide-contaminated, fruits and vegetables, a new analysis of U.S. government data found	Sara Sciammacco	25/02/2015	http://www.ewg.org/release/apple-s-top-dirty-dozen-list-fifth-year-row ; EWG's 2015 Shopper's Guide to Pesticides in Produce™ list AVAILABLE AT: http://www.ewg.org/foodnews/
Residents to face big bills ONLINE 10/12/14 AS Toxic Truth : Residents to face big bills PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	Donna Page, Helen Gregory	27/11/2014	http://www.theherald.com.au/story/2757359/toxic-truth-residents-to-face-big-bills/
n follow-up]	Donna Page, Helen Gregory	27/11/2014	http://www.theherald.com.au/story/2759876/residents-demand-boolaroo-clean-up-poll/
Smelter's suburban legacy, ONLINE 10/12/14 AS Toxic Truth : Smelter's suburban legacy PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	The Newcastle Herald	27/11/2014	http://www.theherald.com.au/story/2758513/editorial-smelters-suburban-legacy/
Trees threat to soil cap PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation	JOANNE McCARTHY	27/11/2014	



Title	Author	Date	URL
follow-up]			
We won't back downPART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW	27/11/2014	
Concern at child's lead test ONLINE 10/12/12 AS Toxic Truth : Concern at child's lead test PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DONNA PAGE	27/11/2014	http://www.theherald.com.au/story/2764177/concern-at-childs-lead-test/
Boolaroo lead problems sidelined ONLINE 10/12/15 AS Toxic Truth : Boolaroo lead problems sidelined PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	JOANNE MCCARTHY	27/11/2014	http://www.theherald.com.au/story/2766702/boolaroo-lead-problems-sidelined/
Fallout near and far ONLINE 10/12/16 AS Toxic Truth : Fallout near and far PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2766854/matthew-kelly-fallout-near-and-far/
Group sorts out priorities ONLINE 10/12/18 AS Toxic Truth : Boolaroo expert group holds first lead review meeting PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2772467/group-sorts-out-priorities/
Group seeks community rep on panel ONLINE 10/12/18 AS Toxic Truth : Boolaroo expert group holds first lead review meeting PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation	DONNA PAGE	27/11/2014	http://www.theherald.com.au/story/2775129/group-seeks-community-rep-on-panel/



Title	Author	Date	URL
follow-up]			
Battery plant to fund clean-up ONLINE 10/12/20 AS Toxic Truth : Battery plant to fund clean-up PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://newsstore.fairfax.com.au/apps/viewDocument.ac;jsessionid=A8B4ED306EB006916E57228D75914FF7?sy=af&pb=all_ffx&dt=selectRange&dr=1month&so=relevance&sf=text&sf=headline&rc=10&rm=200&sp=brs&cls=719&clsPage=1&docID=NCH141220954T4101009
Health and environment risks kept secret, Company hid leaching risk identified in report ONLINE 29/12/2014 AS Toxic Truth : Concerns raised by CSIRO in 1992 PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW and DONNA PAGE	27/11/2014	http://www.theherald.com.au/story/2787527/company-hid-leaching-risk-identified-in-report/
Delivery in dark kept acid secret ONLINE 5/1/15 AS Toxic Truth : Delivery in dark kept acid secret PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://newsstore.fairfax.com.au/apps/viewDocument.ac;jsessionid=A8D368F87BEF5E5AE7934C308DD74045?sy=af&pb=all_ffx&dt=selectRange&dr=1month&so=relevance&sf=text&sf=headline&rc=10&rm=200&sp=brs&cls=2949&clsPage=1&docID=NCH150105841OT7LQ37L
Smelter's legacy on banks of creek ONLINE 8/1/15 AS Toxic Truth : Smelter's legacy on banks of creek PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://newsstore.fairfax.com.au/apps/viewDocument.ac;jsessionid=2C82663AB83F37041D0BA1DB0F2F49B1?sy=af&pb=all_ffx&dt=selectRange&dr=1month&so=relevance&sf=text&sf=headline&rc=10&rm=200&sp=brs&cls=2516&clsPage=1&docID=NCH15010892D224KLQ1N
Residents feel stung over pollution fine ONLINE 10/1/15 AS Toxic Truth : Residents feel stung over pollution fine PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	JOANNE McCARTHY	27/11/2014	http://newsstore.fairfax.com.au/apps/viewDocument.ac;jsessionid=F829112259623B6E1D4BA1B9685ECB21?sy=af&pb=all_ffx&dt=selectRange&dr=1month&so=relevance&sf=text&sf=headline&rc=10&rm=200&sp=brs&cls=2346&clsPage=1&docID=NCH150110F64ETMQ7NTP
on follow-up]	MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2811519/epa-looks-at-free-options-for-lead-disposal/



Title	Author	Date	URL
Newstudy could address concern of poisoned fish ONLINE 25/11/14 AS Toxic Truth : Fish contamination study call PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW and MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2721781/fish-contamination-study-call/
Sediment slowly settles over lead, cadmium, zinc	DAMON CRONSHAW	27/11/2014	http://www.theherald.com.au/story/2721781/fish-contamination-study-call/
Q: How many grams of tobacco are there in one cigarette? A: Usually a little under one gram per filterless cigarette. The total weight of a retail cigarette can vary from 0.8 gram to 1.2 grams or slightly more depending on the types of filter used. (Answer by Ibid)	Ibid, Answers.com	1/01/2012	http://www.answers.com/Q/How_many_grams_of_tobacco_are_there_in_one_cigarette
Less is more: hidden in the soil - Urban chook keepers may be feeling a little wary after learning that a recent University of Newcastle study found high levels of lead in home-grown backyard eggs. Economical lead-testing kits are available from The Lead Group (lead.org.au)	Trisha Hogbin	15/03/2013	http://www.theherald.com.au/story/1357905/less-is-more-hidden-in-the-soil/
Lead Abatement vs. Lead RRP: Abatement is a specialized activity designed to address lead in the home. Renovation, Repair and Painting (RRP) activities disturb paint as a consequence of the activity, but they are often undertaken for reasons unrelated to lead	US EPA		http://www2.epa.gov/lead/lead-abatement-vs-lead-rrp



Title	Author	Date	URL
issues.			
Boolaroo through and through ONLINE 25/11/21 AS Toxic Truth :Boolaroo through and through PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	HELEN GREGORY	27/11/2014	http://www.theherald.com.au/story/2721781/fish-contamination-study-call/
Residents want profits for clean-up ONLINE 25/11/21 AS Residents want profits for clean-up PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	DAMON CRONSHAW	27/11/2014	http://www.theherald.com.au/story/2713762/residents-want-profits-for-clean-up/
High volume heavy metal ONLINE 25/11/21 High volume heavy metal PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2713906/high-volume-heavy-metal/
The long rise and short fall of a landmark ONLINE 25/11/21 Rise and fall in smelting moments - photos PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	NORM BARNEY	27/11/2014	http://www.theherald.com.au/story/2714200/rise-and-fall-in-smelting-moments-photos/
Smelter's legacy a hazard ONLINE 25/11/21 Smelter's legacy a hazard PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	NEWCASTLE HERALD	27/11/2014	http://www.theherald.com.au/story/2714172/editorial-smelters-legacy-a-hazard/
Boolaroo clean-up a failure ONLINE 25/11/21 Boolaroo clean-up a failure PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	Mark Patrick Taylor	27/11/2014	http://www.theherald.com.au/story/2713274/boolaroo-clean-up-a-failure/
Entropy: Lindsay Tuffin's	Lindsay Tuffin	20/03/2015	http://tasmaniantimes.com/index .



Title	Author	Date	URL
Tasmanian Times article re Isla MacGregor's Entropy 1 photo exhibition launch on Wednesday 18 March 2015, in Hobart			php?/weblog/article/isla3/show_comments
National Pollutant Inventory Substances: The NPI contains data on 93 substances that have been identified as important due to their possible effect on human health and the environment. The data comes from facilities like mines, power stations and factories, and from other sources, such as households and transport.	National Pollutant Inventory (NPI)	2/06/2014	http://www.npi.gov.au/substances
Artmetal Workshop: 64 Hazardous Substances - Overview and Resources	Artmetal Workshop (co-author: Lawrence Frazier)	1/01/2015	http://art-metal.ca/hazardous-substances-overview/
Attention politicians: here is our wish list ONLINE 16/02/15 The Hunter's big wishes heading into the state election [INCLUDES: "Following on from the Herald's "Toxic Truth" campaign, there are strong calls for a future fund that will help to clear the lead-riddled legacy of Boolaroo's Pasminco smelter"] PART OF: Toxic Truth: A Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]	JASON GORDON and MICHELLE HARRIS	16/02/2015	http://www.theherald.com.au/story/2887215/projects-the-hunter-needs-now/
Baird's \$273m power promise ONLINE 16/02/15 Baird's \$273m promise to tackle traffic and roads PART OF: Toxic Truth: A	MICHELLE HARRIS	27/11/2014	http://www.theherald.com.au/story/2887496/nrma-praise-bairds-273m-traffic-promise/



Title	Author	Date	URL
Newcastle Herald Investigation [re: Boolaroo Smelter remediation follow-up]			
Acid Mine Drainage 1 and Acid Mine Drainage 2 (photos in the Entropy 1 Exhibition and included in the Entropy 1 2015 VAP Entry)	Isla MacGregor	1/01/2015	
LEAD Group Kits and the Blood Lead Challenge: Exciting plans for the Lead Test Results Website in 2015! Case study: A male toddler in a 75 year-old home has a wondrously low blood lead level of 0.2 µg/dL	Elizabeth O'Brien, BSc, Graduate Diploma of Health Education, President, The LEAD Group Inc.	1/04/2015	
Lead in Literature - extracts relating to lead from the book "Unbroken: Survival. Resilience. Redemption - the incredible true story of Louis Zamperini" by Laura Hillenbrand (Fourth Estate, London, 2010) - now a major motion picture produced and directed by Angelina Jolie (released USA 2014, Australia 2015)	Author of "Unbroken": Laura Hillenbrand; lead extracts chosen by Elizabeth O'Brien	30/04/2015	
Lead in Literature - extracts relating to lead from the book "Unbroken: Survival. Resilience. Redemption - the incredible true story of Louis Zamperini" by Laura Hillenbrand (Fourth Estate, London, 2010) - now a major motion picture produced and directed by Angelina Jolie (released USA 2014, Australia 2015) [FRENCH]	Author of "Unbroken": Laura Hillenbrand; lead extracts chosen by Elizabeth O'Brien. Translated into	30/04/2015	



Title	Author	Date	URL
<p>Lead in Literature - extracts relating to lead from the book "Unbroken: Survival. Resilience. Redemption - the incredible true story of Louis Zamperini" by Laura Hillenbrand (Fourth Estate, London, 2010) - now a major motion picture produced and directed by Angelina Jolie (released USA 2014, Australia 2015) [SPANISH]</p>	<p>Author of "Unbroken": Laura Hillenbrand; lead extracts chosen by Elizabeth O'Brien. Translated into</p>	<p>30/04/2015</p>	
<p>Researcher to map lead contamination in New South Wales' drinking water. [includes: [Paul Harvey said] "So far I've discovered contaminated drinking water from ageing and inappropriate water infrastructure in a number of towns from New South Wales and Tasmania which showed to have lead, arsenic and cadmium in their water supplies."]</p>	<p>Macquarie University re Paul Harvey (researcher)</p>	<p>24/10/2014</p>	<p>http://mq.edu.au/newsroom/2014/10/24/researcher-to-map-lead-contamination-in-new-south-wales-drinking-water/</p>
<p>Category Articles - Isla MacGregor [Archive of articles by Isla MacGregor, on Tasmanian Times website - from "Tour Tasmania's mining legacies from the past and in the making" (20 January 2014) to "Told you so, TasWater and Dr Roscoe Taylor" (13 April 2015)]</p>	<p>Isla MacGregor</p>	<p>13/04/2015</p>	<p>http://tasmaniantimes.com/index.php/category-article/200</p>
<p>Told you so, TasWater and Dr Roscoe Taylor</p>	<p>Isla MacGregor</p>	<p>13/04/2015</p>	<p>http://tasmaniantimes.com/index.php/?weblog/article/told-you-so-mr/</p>
<p>TasWater moves to clear</p>	<p>Michelle Paine</p>	<p>13/04/2015</p>	<p>http://www.themercury.com.au/n</p>



Title	Author	Date	URL
lead from Winnaleah's water supply [with EDITED Comments by Elizabeth O'Brien, President, The LEAD Group Inc of Summer Hill, NSW and Isla MacGregor of Frentree, TAS]			ews/tasmania/taswater-moves-to-clear-lead-from-winnaleahs-water-supply/story-fnj4f7k1-1227300899113
Water Secret Takes Fluoride Out: Video by Water Liberty - Video on using Adya Clarity black mica extract (extracted from biotite, naturally occurring in granite from near volcanoes) drops to neutralize, through a magnetic process, harmful contaminants in water and turn the contaminants into sulphates that the body can expel. Developed by Dr Asao Shimanishi, following Hiroshima & Nagasaki atomic bomb contamination in Japan from structured Phase 4 water	Kacper Postawski Companies	1/01/2013	http://www.waterliberty.com/presentation-dd.php
Blood Lead Challenge - Take the blood lead discovery and reporting challenge [ARABIC] الارصاص ت حدي ت حدي في ايش ترك في بالدم الدم في الارصاص اك تشاف عنه والاب لاغ.	Kari McKern and Elizabeth O'Brien, Translated into Arabic by Samy Saad	13/03/2015	
LTRW Text: "What to Test" Flow Chart [QUESTIONS] - What should I test for lead? Expert advice / guidance on who and what to test for lead and other analytes	Elizabeth O'Brien	25/03/2015	
Lead poisoning law suit tests China's resolve over pollution	Alexandra Harney, in SHANGHAI	7/05/2015	http://ageherald.com/news/lead-poisoning-lawsuit-tests-chinas-resolve-over-pollution , http://www.dailymail.co.uk/wires/reuters/article-3069331/Lead-poisoning-lawsuit-tests-Chinas-



Title	Author	Date	URL
			resolve-pollution.html?ITO=1490&ns_channel=rss&ns_campaign=1490
Common drinking water quality problems	Power and Water Corporation	1/11/2010	http://www.powerwater.com.au/_data/assets/pdf_file/0013/2632/water_quality_problems.pdf
National Water Quality Management Strategy - Australian Drinking Water Guidelines 6, 2011, Version 3.1 Updated March 2015	National Health and Medical Research Council (NHMRC) and the Natural Resource Management Ministerial	1/03/2015	https://www.nhmrc.gov.au/_files_nhmrc/publications/attachments/eh52_australian_drinking_water_guidelines_150527.pdf ; LINK AVAILABLE AT https://www.nhmrc.gov.au/guidelines-publications/eh52
Consolidated Alloys does sell Bismuth	Answer written by Elizabeth O'Brien, The LEAD Group and Ms Wendy Waddell, Pasminco Metals (Administr	23/02/2004	http://www.lead.org.au/q%26a/2004/bismuth_sold_20040223001.html
Description of 3,180 Courses of Chelation with Dimercaptosuccinic Acid in Children #5 y with Severe Lead Poisoning in Zamfara, Northern Nigeria: A Retrospective Analysis of Programme Data	Natalie Thurtle, Jane Greig, Lauren Cooney, Yona Amitai, Cono Ariti, Mary Jean Brown, Michael J. Kos	1/10/2014	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4188566/pdf/pmed.1001739.pdf
TOXIC TRUTH: Funds to renew blood testing ONLINE 19/2/2015, Cash boost for children Funds to renew blood testing	MATTHEW KELLY	27/11/2014	http://www.theherald.com.au/story/2895515/toxic-truth-funds-to-renew-blood-testing/
TOXIC TRUTH: Council to skip pollution forum ONLINE 20/2/2015, Council to skip pollution forum	DAMON CRONSHAW	25/06/2015	http://www.theherald.com.au/story/2898074/toxic-truth-council-to-skip-pollution-forum/
TOXIC TRUTH: Cleaning up with \$33m in fees ONLINE 24/2/2015, Cleaning up with \$33m in fees	DONNA PAGE	25/06/2015	http://www.theherald.com.au/story/2905847/toxic-truth-cleaning-up-with-33m-in-fees/
TOXIC TRUTH: Residents demand action over contamination ONLINE 25/2/2015, Residents demand action over contamination	DAMON CRONSHAW	25/06/2015	http://www.theherald.com.au/story/2908188/toxic-truth-residents-demand-action/
TOXIC TRUTH: Expert warns over cap, cover leak risks ONLINE 13/3/2015, Expert	DAMON CRONSHAW	25/06/2015	http://www.theherald.com.au/story/2943617/expert-warns-over-toxic-leak-risks/



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people Concerns about			
TOXIC TRUTH:UScourt case lendsweight to potential lead lawsuit ONLINE 13/3/2015	MATTHEW KELLY	25/06/2015	http://www.theherald.com.au/story/2943619/us-case-a-positive-precedent-for-lead-lawsuit/
TOXIC TRUTH:Lead levels put land on hold ONLINE 20/3/2015	DONNA PAGE	25/06/2015	http://www.theherald.com.au/story/2959183/toxic-truth-lead-levels-put-land-on-hold/
TOXIC TRUTH: Flaws exposed in toxicity tests at home near Pasminco ONLINE 9/4/2015	DONNA PAGE	25/06/2015	http://www.theherald.com.au/story/3000990/toxic-truth-flaws-exposed-in-toxicity-tests-at-home-near-pasminco/
TOXIC TRUTH: EDITORIAL: Time to end delay on lead ONLINE 19/4/2015	The Newcastle Herald	25/06/2015	http://www.theherald.com.au/story/3020593/editorial-time-to-end-delay-on-lead/
TOXIC TRUTH Truth: Claims blood-lead tests use children as pollution monitors ONLINE 19/4/2015	DAMON CRONSHAW	25/06/2015	http://www.theherald.com.au/story/3021324/claims-children-used-as-pollution-guinea-pigs/
TOXIC TRUTH: Newcastle Herald wins United Nations World Environment Day award for Toxic Truth reports ONLINE 5/6/2015	The Newcastle Herald	25/06/2015	http://www.theherald.com.au/story/3128880/toxic-truth-herald-wins-united-nations-world-environment-day-award/
TOXIC TRUTH: The toxic material should be removed: ex-employee	MATTHEW KELLY	13/06/2015	
UNDERSTANDING THE CHEMISTRY AND MORPHOLOGY OF SMELTER SLAG FROM THE PASMINGO SMELTER, NORTH LAKE MACQUARIE.	ANTHONY L MORRISON	27/06/2015	
TOXIC TRUTH: Strong interest in Boolaroo lead class action ONLINE 25/05/2015, Strong interest in class action	MATTHEW KELLY	13/06/2015	http://www.theherald.com.au/story/3102997/strong-interest-in-boolaroo-class-action/
TOXIC TRUTH: Boolaroo adults need blood levels tested ONLINE 26/06/2015, Lead's legacy stored life long in the bones	HELEN GREGORY	25/06/2015	http://www.theherald.com.au/story/3105025/boolaroo-adults-need-blood-levels-tested/?cs=12
TOXIC TRUTH: Heavy metal contamination in public areas a worry ONLINE 26/06/2015, Expert says contamination of public	DAMON CRONSHAW	25/06/2015	http://www.theherald.com.au/story/3105042/heavy-metal-contamination-in-public-areas-a-worry/



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space a concern			
TOXIC TRUTH: More spent on cows than people in lead protection ONLINE 10/05/2015, CATTLE CLASS LEADFIX Cows \$60m lake residents \$2m	DONNA PAGE	25/06/2015	http://www.theherald.com.au/story/3068410/more-spent-on-cows-than-people-in-lead-protection/?cs=4365
TOXIC TRUTH: More spent on cows than people in lead protection ONLINE 10/05/2015, Cattle class people Less spent on protecting residents than livestock	DONNA PAGE	25/06/2015	http://www.theherald.com.au/story/3068410/more-spent-on-cows-than-people-in-lead-protection/?cs=4365
TOXIC TRUTH: Lake council avoids safe vegetable growing program ONLINE 15/05/2015, Dropped like lead balloon	DAMON CRONSHAW	25/06/2015	http://www.theherald.com.au/story/3082511/request-like-a-lead-balloon/
Guide to lead paint management	MACQUARIE UNIVERSITY	28/04/2011	
Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Lead Determination1	Mark Taylor	9/04/2008	
Identification of the sources of metal (lead) contamination in drinking waters in north-eastern Tasmania using lead isotopic compositions	P. J. Harvey & H. K. Handley & M. P. Taylor	22/04/2008	
Supplementary Data 1 – Detailed laboratory methods used in the determination of drinking water lead contamination in the Ringarooma catchment.	P. J. Harvey & H. K. Handley & M. P. Taylor	22/04/2015	
Atmospherically deposited trace metals from bulk mineral concentrate port operation	Mark Patrick Taylor	12/01/2015	
Noisy explosions to clean bins	Andrew Gray	9/04/2013	
Pit plan in doubt	Hailey Renault	8/05/2013	http://www.northweststar.com.au/story/1488154/pit-plan-in-doubt/



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Fears on sulphur dioxide emissions	The North West	30/09/2013	http://www.northweststar.com.au/story/1879377/fears-on-sulphur-dioxide-emissions/
Mine safety under the spotlight	The North West Star	30/09/2013	http://www.northweststar.com.au/story/1811436/mine-safety-under-the-spotlight/
Living with lead focus	The North West Star	14/05/2013	http://www.northweststar.com.au/story/1501387/living-with-lead-focus/
New group, same aim - cut lead exposure	The North West Star	30/10/2012	http://www.northweststar.com.au/story/450558/new-group-same-aim-cut-lead-exposure/
Take steps to minimise lead dust exposure	The North West Star	18/09/2013	http://www.northweststar.com.au/story/1786695/take-steps-to-minimise-lead-dust-exposure/
Council to review lead group funding	The North West Star	21/10/2012	http://www.northweststar.com.au/story/511742/council-to-review-lead-group-funding/
Station gates pinched	Hailey Renault	25/06/2013	http://www.northweststar.com.au/story/1593979/station-gates-pinched/
Male miners mental health is fine: study	News.com.au	23/07/2015	http://www.news.com.au/national/breaking-news/male-miners-mental-health-is-fine-study/story-e6frfku9-1226691462887
Extra air monitoring	The North West Star	23/07/2015	http://www.northweststar.com.au/story/1539293/extra-air-monitoring/
Glencore Xstrata posts 18% jump in copper	NewS.com.au	23/07/2015	http://www.news.com.au/finance/business/glencore-xstrata-posts-18-jump-in-copper/story-e6frfku9-1226641621961
Lead report slammed	Emma Kennedy	23/07/2015	http://www.northweststar.com.au/story/1578808/lead-report-slammed/
Breath of fresh air	Jason Woodforth	23/07/2015	
Baghouse fire impact studied	The North West Star	18/06/2015	
Big plan for Sunset Oval	The North West Star	18/06/2015	http://www.northweststar.com.au/story/2355492/big-plan-for-sunset-oval/
Project slows mine output	The North West Star	18/06/2015	http://www.northweststar.com.au/story/2570280/project-slows-mine-output/
Council grants for local projects	The North West Star	18/06/2015	http://www.northweststar.com.au/story/3020750/council-grants-for-local-projects/
Notifiable blood lead level	The North West Star	18/06/2015	http://www.northweststar.com.au



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set to change			/story/2425359/notifiable-blood-lead-level-set-to-change/
Mayor McGrady anxious to have matter finalised	Chris Burns	18/06/2015	http://www.northweststar.com.au/story/2980480/mayor-mcgrady-anxious-to-have-matter-finalised/
Independent watch called for on lead	Chris Burns	18/06/2015	http://www.northweststar.com.au/story/2824525/independent-watch-called-for-on-lead/
Alliance pushes for blood testing	The North West Star	18/06/2015	http://www.northweststar.com.au/story/2444856/alliance-pushes-for-blood-testing/
Better protection aim of blood lead levels change	The North West Star	18/06/2015	http://www.northweststar.com.au/story/2670937/better-protection-aim-of-blood-lead-levels-change/
Push for blood lead level testing	BRONWYN WHEATCROFT	18/06/2015	http://www.northweststar.com.au/story/2673860/push-for-blood-lead-level-testing/
Good news for future of Mount Isa copper operations	Chris Burns	18/06/2015	http://www.bluemountainsgazette.com.au/story/2775675/good-news-for-future-of-mount-isa-copper-operations/?cs=2452
Advice for Mount Isa residents on living safely with lead from the Living with Lead Alliance	Alliance Partners	18/06/2015	http://www.livingwithlead.com.au/news/advice-for-mount-isa-residents-on-living-safely-with-lead-from-the-living-with-lead-alliance/
Healthy reason for kids to jump	Chanelle Szmolnik	18/06/2015	http://www.northweststar.com.au/story/101772/healthy-reason-for-kids-to-jump/
Living safely with Lead Top Tips for Mount Isa Residents	Living With Lead Alliance		http://www.livingwithlead.com.au/wp-content/uploads/2013/04/Fact-Sheet-QA-FINAL-V2.pdf
Independent Lead Watch	The North West Star	18/06/2015	
Lead Messages	The North West Star	18/06/2015	
Hierarchy of Controls for Workers and Industry - It is useful to compare the order of preferred controls for hazards to workers with the order of preferred pollution prevention measures involved in cradle to grave management of toxins	Sue Pennicuik, Environment Project Officer, Australian Manufacturing Workers Union	1/09/1995	http://www.lead.org.au/lanv3n4/lanv3n4-14.html
Revising the Workplace Lead Standards: At-A-Glance: What new information is available on	California Department of Public Health, Occupational Lead Poisoning	1/02/2014	https://www.cdph.ca.gov/programs/olppp/documents/LeadStdRev-At-A-Glance.pdf



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the health effects of low levels of lead?, etc. (February 2014)	Prevention Program (CDPH-OLPPP)		
EDO NT points finger at McArthur River Mine over potential contamination of more than 400 cattle	ABC Online News	24/08/2015	http://www.abc.net.au/news/2015-08-22/green-group-blames-mcarthur-river-mine-amid-cattle-lead-scare/6716346
McArthur River Mine negotiations over environmental bond 'good', Glencore says; Green groups concerned about 'cut and run'	Jane Bardon	24/08/2012	http://www.abc.net.au/news/2015-08-24/glencore-facing-increased-environmental-bond-at-borrooloola/6720056
Concerted clean up of lead contamination at Broken Hill and Esperance contrast with other regional towns	Sarina Locke	25/07/2015	http://www.abc.net.au/news/2015-07-20/call-for-concerted-lead-clean-up-regional-towns/6633162
Lead paint brain damage claim [Ross Vinton's mother Rosemary Vinton sues the Victorian Department of Education. Lawyer: Dimi Ioannou, Maurice Blackburn "claimed the school's failure to supervise and protect Ross led to his serious injury"]	Angus Thompson	26/08/2015	http://www.pressreader.com/australia/herald-sun/20150826/281724088301432/TextView
Fair Trading Misleads Minister Over Painters Licensing [in NSW]	Daniel Wurm, National Painting and Decorating Institute, Australia	31/07/2015	http://www.painters.edu.au/Forum/business-marketing/nsw-painters-license-changes-t194.html#p467
VAP Entry 2015. Title: Lead safety with Charlie in mind. Lead-Safety Message: 23 Charlie and the lead factory. Help children like Charlie eat chocolate not lead, test the soil and paint in your home for lead today. Description of Work: felt tip pencils and pastels	LOUISA DELORES (ANDERSON) TAYLOR	13/07/2015	http://volcanoartprize.com/portfolio-item/1229/
Notice of Motion - Councillor Curran - Lead and Heavy Metal Contamination from Industry and its Impact on Public and Environmental Health	Cr Vicki Curran, Wollongong City Council	3/08/2015	http://www.wollongong.nsw.gov.au/council/meetings/BusinessPapers/Notice%20of%20Motion%20Cr%20Curran%20Lead%20and%20Heavy%20Metal%20Contamination%20from%20Industry%20and%20its%20Impact%20on%20Public%20Enviro



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			nmental%20Health.pdf
Interpretation Guidelines: Coffs Harbour Lab - for metals, pH etc in drinking water, irrigation water & livestock water, May 2014	Coffs Harbour Lab	1/05/2014	
Toxic Truth: Lead levels in slag '30 times over safe limit'	Damon Cronshaw	21/06/2015	
5 Year Evaluation Report of the PVC Industry's Product Stewardship Program (2013 edition): 2007-2012 PVC industry Product Stewardship Program Five Year Evaluation	Vinyl Council of Australia PVC Product Stewardship Program	1/01/2013	http://www.vinyl.org.au/jdownloads/Members%20Resources/Public%20Site/PSP/final_5-years_review_public.pdf - LINK ACCESSIBLE VIA http://www.vinyl.org.au/resource-centre/product-stewardship-progress-reports
Product Stewardship Case-Study: Phasing out lead stabilisers - A collaborative stewardship effort delivers results [INCLUDES "lead phase-out 99% completed by current Signatories, 2012"]	Vinyl Council of Australia - PVC Product Stewardship Program	1/01/2014	http://www.vinyl.org.au/about-pvc/pvc-products/pvc-in-healthcare/pvc-medical-wf
2014 The annual progress report for the Australian PVC industry's Product Stewardship Program: 2014 Product Stewardship Program Annual Progress Report (2015)	Vinyl Council of Australia PVC Product Stewardship Program	1/01/2015	http://www.vinyl.org.au/images/Product_Stewardship/VCA_PSP2014Report.pdf - LINK ACCESSIBLE VIA http://www.vinyl.org.au/resource-centre/product-stewardship-progress-reports



Thank you to Grill'd Crown Street for their Local Matters Program!



Volunteer Harriet O'Sullivan receiving the cheque for \$100 from the Grill'd Local Matters campaign

A big thank you to **Grill'd Crown St** for their support and their donation from their Local Matters Program! To any of our readers who went and ordered a burger and put the token they received in our jar, your support is appreciated. Volunteers Harriet O'Sullivan and Peter Larkin went to the restaurant at 241 Crown St, Darlinghurst to receive the cheque and a free burger, and took the opportunity to explain the work the LEAD Group does for the community and the importance of lead safety. We look forward to working with the Grill'd Local Matters program again in future!

A little bit about Local Matters:

"Local Matters is the Grill'd community donation program that sees each Grill'd restaurant donate \$500 back into the community every month. The donation is split between 3 local community groups \$300 / \$100 / \$100."





Volunteer of the Month: Testimonial

By Swetha Lingala, Volunteer Researcher, Data-Entry Officer, Typist and Library Acquisitions Clerk for The LEAD Group Charity from 2013 to 2015

To be associated with The LEAD Group as a volunteer was akin to returning a favour to society in a positive manner. The vision and concept of The LEAD Group has had a great influence on me, improving my perspective on life. Working as a volunteer I gained experience and learned more about Australian work culture and ethics. I also learned a lot about myself, developing important skills that will be valuable to me in my future career.

Most importantly, I improved my research, public speaking, and organizational skills. The whole experience was stimulating and enriching. My sincere thanks go to Elizabeth O'Brien for making my affiliation with The LEAD Group memorable and fulfilling.



Volcano Art Prize (VAP) Entry 2013. Title: Kajal Eyes. Lead-safety message: "Make sure your black eye make-up like Kajal / Kohl / Surma is lead-free. You can test it with a LEAD Group test kit and ask your doctor for a blood lead test."
Photo: Swetha Lingala
<http://volcanoartprize.com/portfolio-item/kajal-eyes/>

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