

GREENPAGE

NEWSLETTER OF THE MUNDARING SWAN
AND KALAMUNDA FRIENDS GROUPS AND
EASTERN REGION CATCHMENT GROUPS

December 2017 / January 2018

Previous editions are available from www.emrc.org.au/greenpage.html

Top stories this month:

- Firewise Education Cools Community Concerns
- Improving Water Quality at Springside Park – Stage Two
- North Swan Park Ecological Linkage Project

Quick Contacts:

- City of Kalamunda on (08) 9257 9999
- Shire of Mundaring on (08) 9290 6666
- City of Swan on (08) 9267 9267
- EMRC on (08) 9424 2222

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Firewise Education Cools Community Concerns

By Brad Thompson, City of Swan

The latest EMRC Bush Skills workshop on fire safety and fire-wise gardens was held with a great response from the community members who attended. The workshop was presented by the Fire Mitigation team from the City of Swan, with the team giving a comprehensive overview of fire management for private property owners who attended.

The main topics discussed during the workshop included:

- Fire ecology: how native plants react to fire and whether various species are resistant to fire, benefit from fire or reproduce through fire action;
- Fire requirements for houses and how to assess the fuel loading of their properties; and
- Plant species suggestions, with classification of more firewise plants based on oil content, height of plants etc.



A collection of fire-wise plants.
Photo : Brad Thompson, City of Swan

Simple tips were raised that can help reduce fire risks to your property without requiring a complete 'clearing' approach. These include:

- Underpruning of trees to roughly 2 metres, which will prevent fires spreading to the canopy of the tree from any ground level fire;
- Ensuring that there is no vegetation of any kind touching the house;
- Remove tree branches overhanging your house; and
- Any shrubs that you wish to plant near your house should be planted twice the distance away from the house as their maximum growth height (i.e. if a shrub will grow to 2.5 metres high, plant it at least 5 metres away).

In regards to firewise plant species:

- Choose species with a low oil content for your garden;
- Choose species that are low growing to plant closer to your house; and
- Maintain an area completely free of flammable material immediately alongside your house, like a path or paving surrounding it.



Magnus Ohman explaining fuel load assessments

Photo : Brad Thompson, City of Swan

The key message of the workshop was that safety is paramount in fire-prone areas, however with careful planning and maintenance there can be a balance between gardens and fire preparedness.



Over 100m³ of mulch being spread out

Photo : David O'Brien, Shire of Mundaring



Creating a sanctuary for small animals seeking refuge

Photo : David O'Brien, Shire of Mundaring

Improving Water Quality at Springside Park – Stage Two

By David O'Brien, Shire of Mundaring

The Shire of Mundaring once again hosted the students from Northam Senior High School at Springside Park in Glen Forrest to continue with their ongoing works to improve water quality by turning what was an open drain into what will become a living stream.



Students building rock riffles at Springside Park.

Photo David O'Brien, Shire of Mundaring

The students were involved with the installation of rock riffles, which help slow the destructive water speed, preventing erosion and the rock riffles also assist in oxygenating the water in the process. The students also planted sedges along the edges of the stream. Signs of improvement since stage one started earlier in the year are already evident, with increased aquatic wildlife numbers being visible. An additional project has commenced where the students are participating in the revegetation of a section in between two known areas of habitat for quendas and other native animals, including an experimental section of piping to act as sanctuary for small animals to seek refuge between the two frequented sites. On the day, the students spread over one hundred cubic meters of mulch and are now looking forward to planting out the area with tube stock in the second term of next year, once the heat of summer subsides.

North Swan Park Ecological Linkage Project

By Phil Cloran, Blackadder Woodbridge Catchment Group

Blackadder Woodbridge Catchment Group, with assistance from a State NRM Community Grant, has been working on improving the health of mature Marri trees in North Swan Park. This park is a major Black Cockatoo foraging area but it is also prone to Marri canker. One strategy proposed in



Black plastic used to solarise weeds around trees.

Photo : Phil Cloran, Blackadder Woodbridge Catchment Group

this project is to replace the weed dominated understorey around these trees with a diverse range of local native species. It is hoped that microorganisms associated with native understorey plants will be beneficial to the trees. The tree understoreys were solarised to control pasture grasses and weedy annuals. TAFE students picked native understorey seeds from nearby Guildford Complex vegetation and propagated them at the TAFE nursery. This winter the solarised areas were densely planted with native Poaceae (*Neurachne alopecuroidea*, *Austrostipa compressa* and *Rytidosperma caespitosum*) and Fabaceae (*Kennedia prostrata*, *Gompholobium marginatum* and *Acacia lasiocarpa*).



Dr Noel Nannup on Tour
Photo : Nicole Arielli, EMRC

Traditional Ecological Knowledge and Nyoongar Culture Day Tour

By Nicole Arielli, EMRC

In September, the EMRC hosted a Traditional Ecological Knowledge and Nyoongar Culture Day Tour Workshop run by Dr Noel Nannup. Volunteer Community Landcare members who work within the Perth Eastern Hills region were invited to attend with the aim being to learn and understand natural resource management from an indigenous perspective. This very popular event was quickly booked out and was a very inspiring day.

The tour commenced at Fish Market Reserve on the Swan River in Guildford. From there Dr Nannup and his team took the group on a journey through the five catchment areas which they work within on different Landcare projects. Dr Nannup shared stories of how his ancestors lived in harmony with nature, their surroundings, as well as caring and understanding the critical interdependence within the natural world.

The Nyoongar people had an extensive agricultural practice, growing and harvesting medicinal and edible plants and flowers, some of which can still be found today. Dr Nannup took the group on a bushwalk to identify some of these plants and explain their uses to the local people as well as the symbiotic relationships they have with other plants and animals that inhabit the bushland. Participants were treated to an amazing bush food inspired morning tea and lunch provided by Eco Eats.



Dr Noel Nannup sharing his knowledge during his recent tour.

Photo : Nicole Airelli, EMRC

Dr Noel Nannup has an amazing wealth of information to share and attendees acknowledged that there is so much more to learn. Feedback from the tour was overwhelmingly positive, with comments including “thank you, as Landcare volunteers we feel really appreciated by being given this opportunity to go on a journey with Dr Noel Nannup”; “this visit to the local bush gives greater and deeper meaning to what we all do as Landcare volunteers” ; and “I learnt so much, and there is so much more we can learn from the Indigenous ways”.

This event was made possible through funding by State NRM allocated to the Creating Capable Communities Project.

Rock Riffles at Boya Trail

By Jaya Vaughan, EMRC

A willing team of five assisted the Friends of Boya Trail to construct rock riffles at priority erosion points on the Convict Creek in October 2017. The Chevron Aboriginal Conservation Training Program team, from Conservation Volunteers Australia, constructed two riffles using between six and seven tonnes of laterite rock over the two days.



The Chevron Aboriginal Conservation Training Program team hard at work constructing a riffle on Convict Creek.

Photo : June Prouse, Friends of Boya Trail

This riffle project expanded on the existing work that has been completed upstream and will help to further reduce erosion of the creek banks. Riffles perform a key role in slowing down water velocity, encouraging water pooling, trapping sediment as it flows downstream, increasing dissolved oxygen and providing habitat value. Trapped sediment can then be planted with sedges and other riparian species to further reduce erosion and provide habitat.

The project would not have been possible without the hard work of the Chevron Aboriginal Conservation Training Program team, the support and technical advice from Luke McMillan at Perth NRM and David O'Brien from the Shire of Mundaring; and the commitment of the Friends of Boya Trail. The project was supported by funding from the Swan Alcoa Landcare Program.

New Mundaring Sport Complex to Receive

Black Cockatoo Nesting Box

By David O'Brien, Shire of Mundaring

Students from Mundaring Christian College recently constructed six Black Cockatoo nesting boxes. These boxes were part of a collaborative project between Mundaring Christian College and the Shire of Mundaring to create habitat for tree dwelling animals around the new Mundaring sporting complex and surrounding areas. One of these boxes will be placed at the Mundaring Christian



Students from Mundaring Christian College with the Black Cockatoo Nesting Boxes they built.

Photo : David O'Brien, Shire of Mundaring

College Secondary Campus in Parkerville, as well as one being donated to the Mundaring Primary school to replace a box which had been damaged. Simon Cherriman, Environmental Biologist, Educator and Filmmaker, will be installing the nesting boxes in the trees and will continue to monitor them for the next couple of years so the Shire of Mundaring can report back to the students and the school on the success of the nesting boxes they built.

Condolences – Judi Payne

By David O'Brien, Shire of Mundaring

The Shire of Mundaring would like to extend its condolences to family and friends with the passing of Judi Payne. Judi's commitment and work within a section of Jarrah Creek was extensive and will be long remembered.

Nominate a Spot for a Bush Skills 4 Youth Workshop in 2018

By Cathy Levett, EMRC

From early 2015 to June 2017, with the support of a Lotterwest grant, Bush Skills 4 Youth (BS4Y) has delivered workshops that encourage young people (aged 6 – 16) to get out into the bush safely and learn to respect and care for it. The program has engaged with a variety of groups including schools, homeschoolers, scouts, guides, YMCA and out of school hours care through community events and workshops. In 2017, special activities for playgroups and preschools have proved popular.

Taking children outside to explore the workings of the natural environment gives them a sense of place; of connection. This is a key aspect of BS4Y and can create connections that last a lifetime. We look closely at nature in different ways depending on the age and experience of the group. Workshops can be one off or a series and are tailored to the needs, knowledge and engagement level of the particular group.

From July 2017, with the support of State NRM funding for the Creating Capable Communities project, the BS4Y program has been able to continue to deliver workshops. You

are now invited to nominate a bush area for a BS4Y workshop in 2018. To nominate a patch of bush you need to send the location address and why you think it would be a good place for a workshop. The location needs to be somewhere in the EMRC member Council areas of Bassendean, Bayswater, Belmont, Kalamunda, Mundaring or Swan. Community and Friends groups who are looking after a reserve are encouraged to nominate their patch.

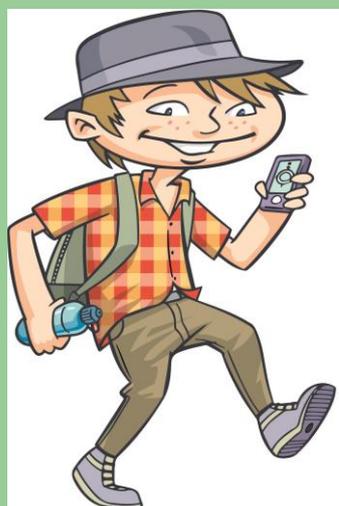
SO... If you have a patch of bush near you or somewhere that you'd like others to know about please email Catherine.Levett@emrc.org.au with where and why!



Bush Skills 4 Youth Educator with Workshop students
Photo : EMRC



Children on a bushwalk during a Bush Skills 4 Youth Workshop
Photo : EMRC



GOVERNMENT OF
WESTERN AUSTRALIA

natural resource
management program



End of Year Volunteer Event – Friday, 24 November 2017

By Jaya Vaughan, EMRC

The EMRC held the End of Year Volunteer Appreciation Lunch on Friday, 24 November 2017 at the Hartfield Country Club in Forrestfield to celebrate the combined efforts of volunteers as part of the Eastern Region Catchment Management Program. The event was well attended with 125 people representing Catchment Groups, Friends of Groups and a number of distinguished guests. The newly elected EMRC Chairman, Cr David McDonnell opened the event followed by an address from Mr Stephen Price MLA, Member for Forrestfield, who was also representing the Hon Mick Murray – Minister for Seniors and Ageing; Volunteering; Sport and Recreation, and the Hon David Templeman – Minister for Local Government; Heritage; Culture and the Arts.



Winners of the door prizes – a collection of native seedlings, which were also the table decorations for the event.

Photo : Rolf Perev. Guildford Photoaraahics

The event highlighted some of the key projects led by volunteers within the City of Kalamunda, Shire of Mundaring and City of Swan. The projects help to protect, enhance and conserve bushland values and water quality in the Eastern Region Catchment. This work would not be possible without the many dedicated volunteers caring for their local reserves. The annual photo competition was on display with 34 entries under the theme of 'Nature in Focus.' The winners, selected by secret ballot from the attendees, were awarded with a gift voucher to Zanthorrea Nursery in Maida Vale.

The EMRC is looking forward to continuing its successful collaboration with the Department of Biodiversity, Conservation and Attractions; Eastern Region Catchment Management Program member Councils; together with dedicated and passionate volunteers who continue to care for and protect the natural environment and the native animals living in these delicate areas.



1st Prize – Follow the Leader
Photo : Andre Lebel



2nd Prize – Don't Let Go
Photo : Francisca Lebel

The EMRC and the many volunteers appreciated the presence of Hon Alanna Clohesy MLC, Member for East Metropolitan Region; Mr Mark Cugley, Acting Director of the Rivers and Estuaries Division, Parks and Wildlife Service, Department of Biodiversity, Conservation and Attractions; Mr John Holley, Director of the State NRM Office; Cr Brooke O'Donnell, City of Kalamunda; Cr Lesley Boyd, City of Kalamunda; Cr John Daw, President of the Shire of Mundaring; Cr Doug Jeans, Shire of Mundaring; and Mr Peter Schneider, CEO of the EMRC at the celebratory event.



Above: Director of the State NRM Office Mr John Holley presented photo competition winner Andre Lebel, with his winning entry "Follow the Leader." Cathy Levett from the EMRC assisting.

Photo : Rolf Perev, Guildford Photographics



3rd Prize – Gold in Nature
Photo : Darrell McCarthy

Photos of the celebration were taken by local photographer, Rolf Perev from Guildford Photographics, and can be viewed online via the Dropbox link :

<https://www.dropbox.com/sh/09but3oomv1o6j3/AAAO8EINnKjllj98cqo5pVtDa?dl=0>



BUSH SKILLS FOR THE HILLS

Green Card Training

Where : West Swan Hall, 1 West Swan Road, Henley Brook

When : Saturday, 17 February 2018, 10:00am – 2:00pm

This workshop covers all aspects of safety for volunteers working in bushland areas, including Hazardous Substance Handling Training. The accreditation is required for any volunteer wishing to use chemicals provided by the City of Kalamunda, Shire of Mundaring or City of Swan. Friends group coordinators are required to attend this workshop in their first year and at least once every three years after that. All group members are encouraged to attend. Morning tea will be provided.



Gloves

Photo : City of Kalamunda

Boobooks Owls and Rodenticides

Where : Jorgensen Park Pavilion, Crescent Road, Kalamunda

When : Saturday, 10 March 2018, 10:00am – 12:00noon

Do you know if you have a negative impact on native wildlife? Michael Lohr from Edith Cowan University will be sharing his findings on the link between rodenticide usage and the decline in Boobook numbers in Perth. Members of the Society for the Preservation of Raptors Inc. are dedicated to the rescue, care, rehabilitation and conservation of Australia's native birds of prey and are our special guests. Attendees will be given the opportunity to meet a raptor or two and take away easy tips to keep unwanted critters away without using poison. Morning tea will be provided.



Boobook Owl

Photo : Paula Strickland

Creating Fauna Attracting Gardens

Where : Octagonal Hall, Glen Forrest

When : Saturday, 17 March 2018, 9:00am – 11:00am

Come along to our workshop led by ecologists Mike and Mandy Bamford and find out which animals inhabit your suburb and what you can do to attract native wildlife to your garden. A short stroll to a nearby bushland/native garden will help identify appropriate plants and structures you can utilise to provide habitat for animals in your backyard. Workshop is not suitable for small children. Morning tea will be provided.



Pygmy Possum

Photo : Kimberley Page

Verge Renovation Rescue

Where : West Swan Hall, 1 West Swan Road, Henley Brook

When : Saturday, 5 May 2018, 10:00am – 12:00noon

In this workshop, we will cover simple ways you can 'adopt' your local verge and make it into a green space that can provide native habitat for birds, reptiles and frogs safely and easily, as well as provide some examples of sites that have been transformed! Morning tea will be provided.



Native Verge

Photo : City of Swan

Fun With Fungi

Where : Margaret Forrest Centre, Park Road, John Forrest National Park, Hovea

When : Saturday, 15 July 2018, 10:00am – 2:00pm

Participants will learn about common fungi families that exist in our local bushland and the important roles that they play. Following the introduction, we will break for an early lunch and take a short walk in the National Park. We will learn how and where to search for fungi and bring back specimens to identify. The workshop presenter Roz Hart is Vice President of Fungimap Inc., an Australia-wide fungi organisation, and is also a member of WA Naturalists' Club Fungi Study Group. Light lunch will be provided.



Investigating fungi gills

Photo : EMRC



BUSH SKILLS FOR THE HILLS

Feral Animal Control

Where : Shire of Mundaring, Administration Building, 7000 Great Eastern Highway, Mundaring

When : Saturday, 18 August 2018, 9:00am –12:30pm

Eddie Juras from Feral Invasive Species Eradication Management (FISEM) will be explaining the habits and best methods for control of various feral species while giving a greater understanding of the impact they have on our native flora and fauna. Morning tea will be provided.



Fox caught on camera
Photo : EMRC

Air Bee N' Bee

Where : West Swan Hall, 1 West Swan Road, Henley Brook

When : Saturday, 1 September 2018, 9:00am –11:00am

Come along and learn about our uniquely wonderful local native bee species and the important ecological roles that they play. Following the informative presentation, participants will be given the opportunity to build a native bee hotel and potentially take one home to install in their own garden. Workshop not suitable for small children. Morning tea will be provided.



Native bee
Photo : Andre Lebel

Weed or Wildflower?

Where : Railway Heritage Trail, near Mundaring Scout Hall, 2995 Jacoby St, Mundaring

When : Saturday, 6 October 2018, 9:00am –11:30am

Can you tell a native grass from a weedy grass? Do you know which wattles are local and which are not? Is Bristly-headed Stinkweed a native plant? What family of plants have male and female flowers? This workshop led by Una Bell will feature a talk about some of the common plant families found in Mundaring and a guided walk focussing on wildflowers and weeds found along the Railway Heritage Trail. Workshop is not suitable for small children. Morning tea will be provided.



Bristly-headed Stinkweed
Photo : Una Bell

Assisting Natural Regeneration on a Granite Outcrop

Where : Throssel Reserve, Forrest Street, Sawyers Valley

When : Saturday, 3 November 2018, 9:00am –11:00am

A walk and talk with Una Bell at the beautifully restored Throssell Reserve. We will be discussing the transformational journey of the reserve from what was known by locals as the 'dump' to what it is now a stunning area with a wonderful array of wildflowers. Throssell Reserve features a surfacing granite outcrop and local plants such as Yellow Starflower, Stylidium, Verticordia and native grasses. The beauty of the reserve as it is today is a result of the work completed by a dedicated 'Friends of' group and the Shire of Mundaring. Morning tea will be provided.



Starflower
Photo : EMRC

Erosion Control Workshop

Where : Woodlupine Brook, 35 Lenihan Corner, Forrestfield

When : Sunday, 18 November 2018, 10:00am to 2:00pm

Do you have an erosion problem on your property or community project site? Are you looking for a softer/environmentally friendly approach to reducing sediment movement along a waterway? This workshop will provide you with some guidance on which materials may be suited to your situation and include a practical session on how to go about installing fibre/jute rolls and matting. Bring your gloves, hat, water bottle and sunscreen and learn a thing or two about how to keep your soil where it is! A light lunch will be provided.



Installing erosion control
Photo : City of Kalamunda

Meeting dates

Blackadder Woodbridge Catchment Group Inc.

Thursday, 8 March 2018, 6:30pm

Old Midland Courthouse, Helena St, Midland
Contact Karen Warner on (08) 9424 2242 or email
karen.warner@emrc.org.au

Helena River Catchment Group Inc.

TBC

Octagonal Hall, 52 McGlew Road, Glen Forrest
Contact Jaya Vaughan on (08) 9424 2245 or email
jaya.vaughan@emrc.org.au

Friends of Piesse Brook

Saturday, 17 February 2018, 11:00am

Contact Miroslav Vujaklija on (08) 9424 2264 or email
miroslav.vujaklija@emrc.org.au

Lower Helena Association Incorporated

Tuesday, 16 January 2018, 6:30pm

Contact Rebecca Ludemann on 0400 327 466 or via email
rebeccaludemann@yahoo.com.au or
Miroslav Vujaklija on (08) 9424 2264 or email
miroslav.vujaklija@emrc.org.au

Jane Brook Catchment Group

Thursday, 22 February 2018, 7:00pm

Mundaring Sharing Centre, 3 Craigie Place, Mundaring
Contact Jaya Vaughan on (08) 9424 2245 or email
jaya.vaughan@emrc.org.au

Susannah Brook Catchment Group Inc.

Thursday, 25 January 2018, 6:30pm

Mundaring Sharing Centre, 3 Craigie Place Mundaring
Contact Nicole Arielli on (08) 9424 2262 or email
nicole.arielli@emrc.org.au

WA Naturalists' Club - Darling Range Branch

Meetings are held on the second Friday of each month in Jorgensen Park Pavilion, Crescent Road, off Mundaring Road, Kalamunda

Next Meetings: Friday, 12 January 2018, then Friday, 9 February 2018

For further details please contact Darling Range Branch Nats on 0436 448 647 or email DRB@wanaturalists.org.au



WILDFLOWER SOCIETY
OF WA (INC.)

EASTERN HILLS BRANCH

WA Wildflower Society – Eastern Hills Branch

Contact Pam Riordan on Pamela.riordan@gmail.com
or Sandy Stone on sandyroger.stone@gmail.com
www.wildflowersocietywa.org.au/branches/eastern-hills-branch
www.facebook.com/easternhillswildflowers



The Eastern Hills Branch of the WA Wildflower Society is on recess over the New Year period and will regroup in February 2018.



WA Wildflower Society - Darling Range Branch

The Darling Range Branch meets at the Old Guide Hall, 5 Sanderson Road, Lesmurdie (Cnr Lesmurdie and Brady Rds) at 10:00am on the second Sunday of every month from February to November.

Wildflower Walks are held on the fourth Sunday of every month from April to October.

Contact Lynda Tomlinson at wildflowers@ozemail.com.au or lktom555@gmail.com or phone (08) 9291 8753 Tuesdays and Thursdays between 10:00am and 2:30pm. Members and non-members all welcome.

For further information, visit <http://www.wildflowersocietywa.org.au/>

Monthly Features

The information for this edition's Noongar Season and Plant of the Month is provided by the EMRC's Bush Cards 4 Youth, part of the Bush Skills 4 Youth program. The information for this edition's Weed of the Month comes from City of Kalamunda's Garden Escapees Know Your Weeds! The original information sourced from South West Aboriginal Land and Sea Council Kaartdijin Noongar - Noongar Language <https://www.noongarculture.org.au>, the Djidi Djidi Aboriginal Women's Group, Darlington and Surrounds Local Flora and Bushlands by Cliffs Burns, the Western Australian Herbarium and Amanda Spooner.



Eucalyptus accedens flower
Photo : EMRC

Noongar Season – Birak

December / January – Hot and Dry – First Summer

Birak is characterised by the onset of hot easterly winds. Mullet, bream, marron and crabs are abundant along the coastal lakes and river estuaries. This is the time to make kangaroo skin coats (Booka), which both cool and act as shields against the harsh wind and sun. Many fledgling animals venture out of nests and reptiles are about to shed their old skin for a new one. It's also time that baby frogs complete their transformation to adulthood.



Spanish Lavender
Photo : Garden Escapees,
City of Kalamunda

Weed of the Month

Spanish Lavender (*Lavandula stoechas*)

Lavender is native to the Mediterranean Region and grows to 1m. Large plants produce prolific quantities of seed, which are long-lived and are spread by wind, water, birds, ants, dumped garden waste and the movement of soil. Hand pull or dig out small plants ensuring you remove all root material as it can re-sprout. Remove spent flower heads immediately after flowering to prevent seed spread.

Plant of the Month

Powderbark (*Eucalyptus accedens*)

A medium to large tree growing to 25m high, with smooth, powdery bark, which is white to pink or apricot, often with darker flecks. White to creamy yellow flowers occur from December to April (Birak to Djeran). Powderbark grows on lateritic breakaways and stony ridges, in clay loam or lateritic gravel.

accedens : Latin *accedens* = approaching or resembling. Refers to the similarity of the bark to that of *E wandoo*.



Powderbark tree
Eucalyptus accedens
Photo : Bush Cards 4 Youth,
EMRC



Eucalyptus accedens
Photo : Bush Cards 4 Youth,
EMRC

Fauna of the Month

Sacred Kingfisher (*Todiramphus sanctus*)

Although it is a species of kingfisher, Sacred Kingfishers seldom eat fish. Instead, they usually hunt terrestrial prey, mostly taking insects, but they will also eat a wide variety of other small animals, both vertebrate and invertebrate. These food items are most commonly taken on the ground, with the kingfisher swiftly swooping down from a branch or some other elevated perch onto the prey, sometimes taking it without landing. The food is then usually brought back to the perch where it is eaten.



Sacred Kingfisher
Photo: Courtesy of Birdlife
Australia

Off the Shelf

Venom

The Secrets of Nature's Deadliest Weapon

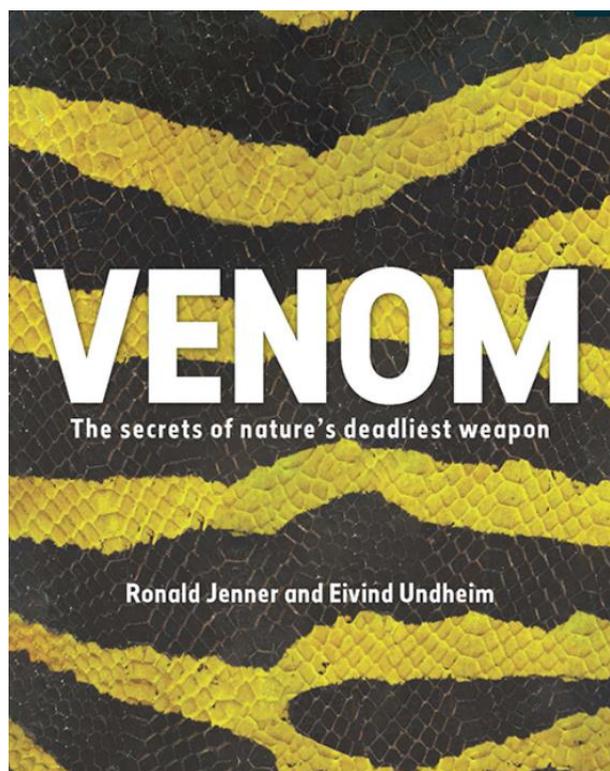
Author: Ronald Jenner and Eivind Undheim

A fully illustrated guide to venom, its evolution in different animal groups, its effects and its treatments.

When we enter the world of venom, we enter the realm of one of the most diverse, versatile, sophisticated and deadly biological adaptations ever to have evolved on Earth.

Since it first appeared in ancient jellyfish and sea anemones, venom has proved so effective that it has since evolved independently in dozens of different animal groups. The authors reveal the many unique methods by which venomous animals deliver their cocktail of toxins and how these disrupt the physiology of the victims.

Jenner and Undheim also consider how humans have learnt to neutralise venom's devastating effects, as well as exploit the power of venom in innovative ways to create new drugs to treat a variety of serious conditions. Fully illustrated throughout, this illuminating guide will appeal to all those with an interest in the wondrous world of venom.



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Do you have a story or event relevant to the Greenpage? Forward your contributions to environment@emrc.org.au or phone Kate Malden on (08) 9424 2216

Copies of the Greenpage newsletter, as well as other information, can be found at: www.emrc.org.au/eastern-region-catchment-management-program.html

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