

G'day from Scuba Dive SA

SDF News Sheet – June 2018

Monthly newsletter of

Scuba Dive SA

(The SCUBA DIVERS FEDERATION of SA)

Contact us via:

PO Box 287, Christies Beach SA 5165

www.sdfsfa.net , info@sdfsfa.net , <http://www.facebook.com/groups/448643155213641/>

Major sponsor - Mile End Office Furniture

We also acknowledge the support of the Rob Roy Hotel,

Dell'Uva Wines Estate and Aussie Divers Phuket

Scuba Dive SA is the peak body in South Australia,

We represent all recreational divers in SA.

We have helped to protect the ocean environment.

We have been instrumental in preserving jetties, sharks, etc..

We need your support to continue to serve all divers.

This monthly electronic news sheet is provided as a service to our members. Our monthly newsletters (and any bulletins) can be downloaded from <http://www.sdfsfa.net/newsletters.htm>.

We have a holiday long weekend this month for the Queen's Birthday public holiday on Monday 11th June. Make the most of the break as the next holiday long weekend is in September (with the Labour Day holiday being held on Monday 1st October.

NEXT MEETING

The next meeting of Scuba Dive SA is being held in the Conference Room on level 2 in The Braggs building (see <https://www.adelaide.edu.au/ipas/images/the-braggs/map-the-braggs.png>) at the University of Adelaide at 7pm on Tuesday 26th June. The address is Victoria Drive, Gate 8. Car parking is available on Victoria Drive. Walk in Gate 8 and through the big double doors in The Braggs building.

ANNUAL ROCK LOBSTER CLOSURE

The annual SA closure for Rock Lobster fishing began on 31st May. The closure bans all recreational Rock Lobster fishing activity in South Australian waters and will remain in place in the Southern Zone until 6 am on 1st October and in the Northern Zone until midday on 1st November.

ADELAIDE NATIONAL BOTTLE & COLLECTABLES SHOW

The Adelaide National Bottle & Collectables Show is being held at the Port Adelaide Recreation Centre, 50 St Vincent Street, Port Adelaide June 9 – 10th. There will be many tables of swap and sell items.

PROPOSAL TO SINK A MELBOURNE TRAM

The Victorian Artificial Reef Society has started a petition to sink a Melbourne Tram as a destination for snorkellers, freedivers and scuba divers in Port Phillip Bay. The proposed location for the tram is the area known as Elsa's Reef, about 40 metres off Rye Pier, in 7 metres of water. It's described as "a very attractive location given it's not subject to extreme tides and currents, plus it already has good amenities available nearby. It's accessible from the shore, pier, boat and even a paddleboard. Plus, the area already has a proven track record as a safe dive site." Check it out at <https://www.change.org/p/victrack-let-s-sink-a-melbourne-tram>.

RESULTS OF A STUDY ON COMMERCIALY AVAILABLE SHARK REPELLENTS

The Southern Shark Ecology Group and the Global Ecology Laboratory at Flinders University recently conducted a study of five of the commercially available shark repellents on white sharks. Several of the repellents tested "had limited or no measurable effect on white sharks. Only the Ocean Guardian Freedom+ Surf shark deterrent "affected shark behaviour and reduced the chance of a white shark taking the surfboard mounted bait from 96% (down) to 40%". (Shark Shield recently changed its name to Ocean Guardian.) Details, including some video footage, can be found at <http://www.adelaidenow.com.au/news/south-australia/flinders-university-research-reveals-most-effective-great-white-shark-repellent/news-story/bf15fbd3f34806ee60fc838c5caff0f6> . Meanwhile, according to the web page found at <http://www.news.com.au/national/breaking-news/second-shark-device-may-get-wa-subsidy/news-story/d96e1adb939f5776d1ebf920b2f74677> , "A second shark deterrent device will likely be added to the West Australian government's subsidy program WA Fisheries Minister Dave Kelly on Tuesday called on NSW to publicly release the Flinders University report, saying the draft showed the Surf+ device reduced the risk of a shark interaction by at least 60 per cent. He said if it was released immediately, he could have the \$200 subsidy available for 1000 Surf+ devices by the (end of May)."

SHARK WEEK RETURN IN JULY

According to the web page found at <https://www.discovery.com/tv-shows/shark-week/> , "Shark Week Returns July 22nd - Shark Week 2018, the 30th instalment of the annual franchise, will kick off Sunday, July 22, with eight days of shark-centric specials."

SHOP NEWS

Underwater Sports Diving Centre will be closed until Tuesday 12th June. Underwater Sports Diving Centre is now a PADI 5 Star IDC Centre.
Congratulations go to the team at Diving Adelaide on being awarded a TripAdvisor Certificate of Excellence for 2018.

OUTER HARBOR DREDGING

According to the web page found at https://l.facebook.com/l.php?u=http%3A%2F%2Fwww.abc.net.au%2Fnews%2F2018-05-29%2Fport-river-dredging-to-go-ahead-despite-environmental-concerns%2F9810570&h=ATM7XhksJfnqg_YdN8atluIThu3rmo7x9iYklixBYZOjVYyJhXhozHOTj9v5GtBwvMrsSBJfs5z67HIETMSd8uESUHl7tw7_Epr7A&s=1, the proposal to

dredge the Outer Harbor shipping channel to widen it to 170m has now been approved. The dredging will be carried out during the winter months. It is too late for any work to be started this winter, so the earliest that work can begin is in winter 2019. Failing that, it would be held up until another winter. Winter dredging is best for seagrass. Seagrass surveys will be conducted before and after the dredging. Decreased turbidity due to dredging is thought to be mainly confined to a 7km by 5km area around Outer Harbor. Decreased turbidity outside of the area is expected to be minimal. Any decreased turbidity will only occur during the winter months when the dredging is carried out. Turbidity is expected to be much less than what was experienced in 2005 because better (less intrusive?) methods will be used this time. There will be no side-casting of dredged material this time. This means that there will not be any double handling of the dredged material next time. The channel is only being widened (by some 40m), it is not being deepened at all.

TRANSITION TO A NATIONAL SYSTEM FOR DOMESTIC COMMERCIAL VESSEL SAFETY

According to a web page found at <https://www.amsa.gov.au/vessels-operators/transition-national-system>, “From 1 July 2018, most services for domestic commercial vessels and crew will be delivered directly by (AMSA) instead of your local marine safety agency. The move to a full national service delivery model will improve safety by making it easier for operators, crew, boat builders, architects, surveyors, marine safety officers and inspectors to maintain safe vessel and operating practices. For owners, operators and crew of domestic commercial vessels this means that in addition to a single set of safety rules around the country, from 1 July 2018 people will pay the same fees for services no matter where they are around Australia.”

TIME TO GET YOUR SCUBA EQUIPMENT SERVICED

Now that the cooler weather has finally set in, The Scuba Clinic suggests that it's time to think about getting your scuba equipment serviced. “now is the best time to get everything working perfectly again. The Scuba Clinic now receives high volumes of service work during the peak dive season, and waiting times can be a bit longer, so have a think about maybe servicing during winter and it will be good to go when you need it.”

ScuBAR

Our next ScuBAR is being held at 6pm on Friday 13th July at the Rob Roy Hotel. Tullio Rossi (Marine biologist and science communicator) and Emma Daly (Project Officer for both Experiencing Marine Sanctuaries and Reef Watch) were the speakers at our May ScuBAR. Our ScuBARs are sponsored by the Rob Roy Hotel, Mile End Office Furniture and Dell’Uva Wines Estate. Dell’Uva Wines are at Freeling in the Barossa Valley where they have the largest range of imported Spanish, Italian, Portuguese & French alternate wine varieties. They have now got their cellar door open at Greenock. Our thanks go to the Rob Roy Hotel, Mark Tozer of Mile End Office Furniture, Darren Gaspari of Aussie Divers Phuket and Wayne Farquhar at Dell’Uva Wines for their generous support of our Federation.

JAMES CAMERON – CHALLENGING THE DEEP

James Cameron – Challenging the Deep is an exhibition of film-maker James Cameron’s achievements in deep ocean science, technology and exploration. It includes his record

breaking 11,000m (36,000 ft) dive to the Mariana Trench in the submersible vessel *Deepsea Challenger* in 2012. The exhibition is currently being held at the Australian National Maritime Museum in Sydney and it runs until 30th Jan 2019. Visit <http://www.anmm.gov.au/whats-on/exhibitions/coming/james-cameron> and <https://www.vividsydney.com/event/ideas/james-cameron-conversation-adam-spencer> for more details.

DEEPSEA CHALLENGER

According to Wikipedia, “Deepsea Challenger (DCV 1) is a 7.3-metre (24 ft) deep-diving submersible designed to reach the bottom of Challenger Deep, the deepest-known point on Earth. On 26 March 2012, Canadian film director James Cameron piloted the craft to accomplish this goal in the second manned dive reaching the Challenger Deep. Built in Sydney, Australia by the research and design company Acheron Project Pty Ltd, Deepsea Challenger includes scientific sampling equipment and high-definition 3-D cameras, and reached the ocean's deepest point after two hours and 36 minutes of descent from the surface.”

ROLEX WATCHES

James Cameron is famous for wearing a Rolex watch on all of his expeditions. The *Deepsea Challenger* successfully carried an experimental divers' watch called the Rolex Deepsea Challenge, on its robotic manipulator arm when it reached the bottom of the Mariana Trench in 2012.

CONGRATULATIONS

Congratulations go to BSAC Adelaide's Donovan Woods on being awarded the club's New Diver of The Year Award. They say that Donovan “has done an incredible job in helping other divers and new comers, spending countless hours filling cylinders for members and assisting with running things with the club.” IT seems that Donovan always goes out of his way to clean the oceans of plastic and other rubbish, as well as rescuing sea critters caught in single use plastics.

Congratulations also to David Jackson, Ken Smith & Mark Sandow who all featured in The Advertiser and Sunday Mail last month.

Congratulations to Elisabeth & Adam who got engaged in a Calypso Star Charter shark cage on 20th May.

14TH AUSTRALIAN NATIONAL SHELL SHOW

The next Australian National Shell Show is being held in SA next April. It will be held at the Goodwood Community Centre in Rosa St, Goodwood from 13-14th April 2019. Check out <https://www.facebook.com/Malacological-Society-of-South-Australia-Inc-502260489866315/>.

PADI WOMEN'S DIVE DAY 2018

This year's PADI Women's Dive Day is being held on Saturday 21st July.

TURTLE SIGHTING AT GRANGE

According to the Marine Life Society of SA's Facebook page, "Shane Dillon recently sighted a sea turtle while fishing off of Grange. Shane's boat was the only vessel in the area at the time. It was anchored near the tyre reef (S 34.54.762, E 138.23.992) at 2:05pm and he was eating lunch when something bumped the side of the hull. It was a turtle, about 500-600mm long, with yellow/green/black blotchy skin and flippers, a brown shell and a large head. It dived and slowly disappeared under the water. Shane didn't get time to get his gloves off and get his phone out to get a photo if it surfaced again, but it didn't. Shane reported his sighting to us and offered to let us know if he sees any more turtles anytime." Mark Hamann of Southern Australia Sea Turtle Sightings Facebook group said that it sounds like a juvenile loggerhead turtle.

"CONNECTING AUSTRALIANS TO THE WORLD (FROM THE '80S TO THE 'TERA ERA')

It's hard to imagine life without the internet – there would be no binge-watching Netflix, email or shopping on Amazon. However, less than 25 years ago few people had even heard of the internet. During this time of immense change, advancements in the internet's backbone – a vast network of international undersea cables – has kept Phil Murphy, Head of Global Marine Operations, on his toes during a long career at Telstra. It's dizzying to think how much the world has changed since the early mass adoption of the internet in the 1990s. It is now part of many aspects of everyday life and is made possible by a vast network of subsea cables crisscrossing the ocean floor. Today we rely on these cables to transport 99 per cent of our international data – the remaining one per cent is transmitted via satellite. (Source; https://exchange.telstra.com.au/story-connecting-australians-world-80s-tera-era/?ref=BP_ARTICLE_TEL_EXCH_our-underwater-cables-explained_99-of-international-data-is-carried-under-seas_160518 .) Details are included in the June issue of our Scuba Dive SA Bulletin.

A GUIDELINE HAS BEEN ATTACHED TO THE 'EDITHBURGH ANCHOR'

Steve Simmons has now placed a guideline from one of the old sea net pylons all the way to the anchor about 200m out from the Edithburgh swimming pool. The line is held to the bottom with star droppers. Steve says, "The important rule for divers is the guideline is just that, it's a guideline not a safety line or emergency line to hold on to, follow the line but stay clear of it, at least half a metre, that way it will stay intact for years unless we are unfortunate enough that a boatie hooks it with their anchor. Therefore, I would strongly suggest an easy shore dive to the anchor rather than divers trying to dive it from a boat. As a suggestion, those conscientious divers that want to test their navigation skills could follow the guideline to the anchor, take a bearing south to the jetty and use the reciprocal bearing next time to dive from the jetty straight to the anchor next time they want to dive it, that way there is the easy route and their own route. It's a thrill to find and look over it, there is some good growth and macro stuff on it so, whichever way you want to go, I am sure you will enjoy the dive. Many thanks go to Steve Simmons for his efforts and also for passing these details on to us. Further details (and photos) can be found at <http://mlssa.org.au/2018/05/15/more-about-the-edithburgh-anchor/> .

ESCAPE TO CALMER OR WARMER WATERS

Many Adelaide dive groups ventured down to the calmer waters of Mount Gambier during May to escape the rough diving conditions in Adelaide. Another group headed west to snorkel with whale sharks and manta rays at Ningaloo Reef. Others headed overseas for warmer waters now that the temperature has slipped below 18°C. One diver even thought that Canada may be a better option for this time of year. Others opted for some shark cage diving at Port Lincoln.

WEARING STREET AQUATIC AND ARTS PRECINCT AT PORT NOARLUNGA

Concept plans have been developed for the Wearing Street Aquatic and Arts Precinct at Port Noarlunga. See

https://www.facebook.com/SauerbierHousePortNoarlunga/?hc_ref=ARQA0jK7VwCMc5VvxVkJ7Ejrf0RoFBpLQKeusNnYnRspFgWiRGK_hf79xwtjt7KuHBQ&fref=nf&hc_location=group . Plans will be on display at Sauerbier House until 9th June. Learn more online at www.onkapingacity.com/communityengagement . To have your say please complete the survey by 5pm 9th June. A Drop-In Information Session is being held on Saturday 2nd June, Noon - 2pm at Sauerbier House, 21 Wearing St, Port Noarlunga.

JETTY NEWS

Semaphore Jetty is being upgraded to improve safety and public facilities. The jetty will be partially closed until late July. Further information is available at www.dpti.sa.gov.au/semaphorejetty .

SOUTH AUSTRALIAN MARITIME AIRCRAFT HISTORY

Anna Jackowiak, a University of Adelaide student currently undertaking an Internship project with the Heritage sector of the South Australian Government Department of Environment says that although she has found a number of aircraft which have crashed in SA waters, the majority have been salvaged. The remaining aircraft disappeared without a trace, so it is difficult to maintain co-ordinates for wreck sites. She wants to hear of the co-ordinates of any crashes, or wrecks in South Australia, or any information at all in this area. Contact Anna via Anna.Jackowiak@sa.gov.au .

DIVE AGAINST DEBRIS

Many thanks to the team from Adelaide Scuba for doing a clean-up dive on 19th May as part of the PADI Dive Against Debris.

WHYALLA'S CUTTLEFISH AGGREGATION

Most divers have plans in place to head to Whyalla for the cuttlefish aggregation in June & July. The cuttlefish reportedly turned up as early as the end of April this year. It is hoped that they hang around until August.

TEN GUIDING PRINCIPLES FOR MARINE AND COASTAL MANAGEMENT

According to the web page found at <https://australiancoastalsociety.org/latest-news/2018/may/08/ten-guiding-principles-for-marine-and-coastal-management/> , delegates at the Coast to Coast Conference held in Hobart in April endorsed Ten Guiding Principles for

Marine and Coastal Management. These were then endorsed by the Australian Coastal Society on 2nd May. According to the Preamble, "As marine and coastal practitioners we recognise Australia's diverse marine and coastal environments as ecosystems with intrinsic values that need to be cared for, wisely used, and effectively managed, to ensure these are sustained now and into the future. These 10 guiding principles, intentionally broad, reflect current best practice in marine and coastal management. They provide guideposts for marine and coastal practitioners in the development of comprehensive, inclusive, and sustainable responses to the challenges of managing Australia's coasts and seas, and offer points of reflection in the review of policies, plans and programs." The Ten Guiding Principles are included in the June issue of our Scuba Dive SA Bulletin.

ARTWORKS TO CHECK OUT

Next time that you drive through Yankalilla, check out the artworks on the Stobie poles along Main St. Artworks created by Year 7 & 8 students include marine and aquatic scenes. Then check out the artwork on the water tank in Essington Lewis Drive when you visit Rapid Bay. The concrete tank sits above the camping ground.

WORLD ENVIRONMENT FAIR 2018

The World Environment Fair is being held from 2nd to 3rd June, 10am to 5pm at the Adelaide Showground, Goodwood Road, Wayville. Further details are available on Facebook at https://www.facebook.com/events/1994348144138265/?event_time_id=1994348150804931 and <https://www.facebook.com/events/1994348144138265/>.

WORLD ENVIRONMENT DAY

World Environment Day is actually on Tuesday 5th June. It is a fantastic opportunity to inspire friends and colleagues to act to reduce, reuse and recycle plastic waste. This year's theme is "connection people to nature". This includes getting outdoors and reflecting on how we depend on nature. Visit <http://www.un.org/en/events/environmentday/>.

SCUBA DIVE & DO THE FIVE

Wherever possible, please think to bring back 5 pieces of rubbish or plastic from every dive that you do, especially on either World Environment Day (Tuesday 5th June) or World Ocean Day (Friday 8th June). Mads Dalady says, "There's this lovely young man in my town - who has quite severe autism - who spends every day he can underwater - he takes a bag and wears gloves and picks up rubbish on the seafloor mostly by the jetty".

WORLD OCEAN DAY

This year's World Ocean Day is being held on Friday 8th June. Once again, it is a fantastic opportunity to inspire friends and colleagues to act to reduce, reuse and recycle plastic waste. This year's theme is "Our oceans, our future". Visit <http://www.un.org/en/events/oceansday/>.

SA SCUBA WEEK

We invite all SA dive shops to participate in our SA Scuba Week from 22nd-28th November. 2018 is the 50th anniversary of scuba diver representation in SA, some 10 years before the SDF was formally incorporated. We will hold our Scuba in the Pub at the Rob Roy Hotel on

Friday 23rd November and we will have equipment & vintage dive gear on display. We've got the Coffee Plungers regular Thursday dive to start it off. The Scubar on the 23rd, is to be attended by the Tourism & Recreation Minister. We hope to have Reef Watch on board with a state-wide fish survey over the week and have a RecLink dive to celebrate diving changing people's lives for the better.

EX-HMAS TOBRUK

The ex-HMAS *Tobruk* is being scuttled as a dive wreck in Queensland's Great Sandy Marine Park. According to the web page found at <https://www.npsr.qld.gov.au/parks/great-sandy-marine/>, "The Great Sandy Marine Park extends from Baffle Creek in the north to Double Island Point in the south. It includes Hervey Bay, Great Sandy Strait, Tin Can Bay Inlet and the waters off the east coast of Fraser Island, seaward to three nautical miles." *Tobruk* will be scuttled 25nm north of Hervey Bay & Fraser Island, 22nm east of Bundaberg. Four dive operators have been announced to conduct tours of the *Tobruk*. They are Lady Musgrave Experience, Bundaberg Aqua Scuba, Dive Hervey Bay and Hervey Bay Dive Centre. Private and club divers will also be able to book two-hour time slots for the site.

AUSTRALIAN JETTIES POSTAGE STAMPS

Australia Post released four postage stamps featuring Australian jetties in February 2017. The four jetties are: Busselton, Western Australia; Tumby Bay, South Australia; Shelley Beach near Portsea, Victoria; and Kincumber, New South Wales. According to the web page found at <https://australiapostcollectables.com.au/stamp-issues/australian-jetties>, "Many of the countless jetties and piers that punctuate Australia's coastline and waterways were originally built to moor vessels transporting goods and passengers. While some have since fallen into disuse, others are still popular for recreational fishing, diving, snorkelling and other tourist activities. The four featured jetties from around the country, all wooden, include those at Busselton, Western Australia; Tumby Bay, South Australia; Shelley Beach near Portsea, Victoria; and Kincumber, New South Wales. Further details are included in our June Bulletin.

AUSSIE DIVERS PHUKET OFFER TO OUR FACEBOOK GROUP MEMBERS

Darren Gaspari at Aussie Divers Phuket is offering our Facebook group members discounts for diving in Phuket. He is offering 10% discount on all PADI Courses, 15% off liveboards and scuba diving day trips and 20% discount on our luxury day trip speedboat. "We love to see some of the group over here. Happy to take good care of them when they are here," he says. To take advantage of this generous offer, email info@aussiediversphuket.com and tell them that you heard about special discounts being offered to Scuba Dive SA Facebook group members. Visit either <https://www.aussiediversphuket.com/> or <https://www.facebook.com/AussieDiversPhuket/> for more details.

SCUBA DIVE SA BULLETIN

Attached along with this SDF News Sheet is a copy of the latest issue of our bulletin. We have now retitled it the "Scuba Dive SA Bulletin". It is an electronic bulletin separate to our normal monthly SDF News Sheet. This issue includes the following items: -

Australian Jetties Postage Stamps

"A Fourth New Record For Sydney Harbour!

"Connecting Australians To The World (From The '80s To The 'Tera Era')

Ten Guiding Principles For Marine And Coastal Management

Future issues of our “Scuba Dive SA Bulletin” will include lengthy articles about matters of interest to recreational divers. We welcome contributions from our readers.

FORTHCOMING EVENTS:

PARKS & LEISURE AUSTRALIA + RECREATION SA CONFERENCE

The 2018 SA Recreation, Parks and Leisure Conference is being held on Thursday 7th June 2018 at the SA Aquatic & Leisure Centre, 443 Morphett Road, Oaklands Park. The primary focus of the Conference will be on the relationship between communities and facilities, including the opportunities for creating places and facilities that surpass the needs of communities, as well as initiatives for achieving active and connected communities. The Conference will be valuable to managers, planners and service providers in the recreation, leisure and parks industry. The key note speakers will be highly relevant to the industry and the session topics will ‘tease out’ the issues and opportunities for the industry. Targeted speaker sessions will provide practical information and advice that will assist delegates to better plan for facilities, spaces and communities. There will be opportunities for delegate and speaker interactions and some fun along the way. The Key Note Speakers are:

Gary Johnson: See Clearly Now & Pool Supervision. A presentation dedicated to the safer operation of public swimming facilities and the personal experiences which became the catalyst for Pool Super Vision.

Fraser Keegan: Fraser Keegan Right Bite Program, Early Years and Child Development, Department for Education and Child Development. A presentation about a holistic approach to recreation and sport innovation.

The Conference will include three Themes: Shaping Spaces for People: The principles and opportunities for creating unique, vibrant and activated places and facilities through design and innovation.

Distinctive & Functional Facilities: The opportunities for achieving distinctive and functional facilities that enable communities to be active and connected.

Active Communities & Social Inclusion: The opportunities for supporting active, included and connected communities through unique programs, initiatives and spaces.

For the conference program and to book your ticket, visit

<https://www.eiseverywhere.com/ehome/320630> .

5TH INTERNATIONAL MARINE CONSERVATION CONGRESS

The 5th International Marine Conservation Congress is being held in Kuching, Sarawak, Malaysia from 24-29th June. Organized by the Society for Conservation Biology’s Marine Section (SCB Marine Section), IMCC5 is the global gathering spot for presenting and discussing new research and developments in marine conservation science and practice.

MARINE MAMMAL SYMPOSIUM IN ADELAIDE

The Marine Mammal Symposium is being held in Adelaide in July this year, in conjunction with the AMSA 2018 conference. It is being held from 1st-5th July 2018 at the Adelaide Convention Centre. The Symposium theme is "From Sea to Coast - Marine Mammals in a Connected World". It “recognises that marine mammals are covering large areas of the marine environment and connect various habitats throughout their lives. Their migratory behaviour often poses great challenges to study these animals and albeit their often-iconic character,

knowledge about their whereabouts is still limited. They are exposed to a range of challenges including impacts from anthropogenic activities such as shipping, fishing, exploration, pollution and climate change but have also found ways of adapting to impacts. New techniques are being used to shed light on the migration, adaptation and behaviour of marine mammals such as seals, sea lions, orcas, southern right and humpback whales in Australian waters setting worldwide standards. Visit www.amsa18.amsa.asn.au/ for more details.

AMSA 2018 CONFERENCE

AMSA 2018 will bring together practitioners involved in marine science ranging from marine biology, conservation to geology and management of marine environments. It is being held from 1st-5th July 2018 at the Adelaide Convention Centre. The conference is relevant to government and non-government scientists, policy makers, environmental scientists, environmental consultants, marine scientists, and students and technicians with an interest in marine science, marine conservation and management. Visit www.amsa18.amsa.asn.au/ for more details. The draft program of the AMSA conference and our symposium. It is going to be the best marine science program so far with outstanding talks on all kind of marine topics AMSA conference Australian Marine Sciences Association <http://amsa18.amsa.asn.au/wp-content/uploads/2018/03/Program-Web.pdf> .

PADI WOMEN'S DIVE DAY 2018

This year's PADI Women's Dive Day is being held on Saturday 21st July.

AIDE 2018

The Australia International Dive Expo is being held at the International Convention Centre in Sydney 2nd to 6th August 2018 (in collaboration with the Sydney International Boat Show). Details can be found on page 57 of the June issue of Dive Log. Visit www.australiadiveexpo.com for more details.

NATIONAL SCIENCE WEEK 2018

This year's National Science Week is being held from 11 – 19th August 2018. Visit www.scienceweek.net.au for more details.

AIMA/ASHA 2018 CONFERENCE

The AIMA/ASHA 2018 Conference is being held 27-28th September. The joint conference will be held at the UNE Parramatta Campus, located at 211 and 232 Church Street Parramatta, NSW. Visit <http://www.aima-underwater.org.au/> for more details.

4TH INTERNATIONAL SYMPOSIUM ON ANCHIALINE ECOSYSTEMS

The 4th International Symposium on Anchialine Ecosystems is being held Lanzarote, 1st to 7th October 2018. (An anchialine pool is an enclosed water body or pond with an underground connection to the ocean. Lanzarote is a Spanish island in the Canary Islands.) According to the web page found at <https://oceanservice.noaa.gov/facts/anchialine.html> , “Anchialine pools form some of the longest submerged caves structures on Earth. These typically small pools, which form in limestone or volcanic rock, are located throughout the world but are most common in the Hawaiian Islands and on Mexico's Yucatán Peninsula. Anchialine pools

have their own unique ecosystems populated by tiny and often rare species of crustaceans, fish, and eels.” The Symposium “aims at gathering researchers from throughout the world who dedicate their research on all aspects “anchialine”. The sessions of the symposiums cover various fields of Biology, Systematics and Evolution, Biogeography, Geomicrobiology, Ecology, Geology, Hydrology, Paleontology, and Archeology.” Visit <http://www.4isae.es/> for more information. WoRCS (@CaveSpecies), the World Register of marine Cave Species aims to create a comprehensive taxonomic and ecological database of species from marine caves and anchialine systems. Visit <https://t.co/7WO918DmZx> for more details.

PORT ADELAIDE WOODEN AND HERITAGE BOAT FESTIVAL

The inaugural Port Adelaide Wooden and Heritage Boat Festival will be held in Port Adelaide from 13-14th October 2018.

JAMES CAMERON – CHALLENGING THE DEEP

James Cameron – Challenging the Deep is an exhibition of film-maker James Cameron’s achievements in deep ocean science, technology and exploration. It includes his record breaking 11,000m (36,000 ft) dive to the Mariana Trench in the submersible vessel *Deepsea Challenger* in 2012. The exhibition is currently being held at the Australian National Maritime Museum in Sydney and it runs until 30th Jan 2019. Visit <http://www.anmm.gov.au/whats-on/exhibitions/coming/james-cameron> for more details.

MEDITERRANEAN SYMPOSIA ON MARINE KEY HABITATS AND NON-INDIGENOUS SPECIES

The Mediterranean Symposia on marine key habitats and non-indigenous species will be held in Antalya, Turkey from 14 to 18th January 2019. It will bring specialists from across the Mediterranean region together to discuss the state of knowledge available on species, key formations in the Mediterranean and non-indigenous species and to present the latest developments in their conservation, the results of research and their impacts on marine and coastal biodiversity.

OZTek2019

OZTek2019 will be held at the International Convention Centre Sydney, Darling Harbour on March 16/17, 2019. Visit www.oztek.com.au for more details. Some details can be found on page 59 of the June issue of Dive Log.

2019 FESTIVAL FLEURIEU

Next year’s Festival Fleurieu is being held from Saturday 13th April to Monday 22nd April (just 10 days) which includes the Easter holiday long weekend.

14TH AUSTRALIAN NATIONAL SHELL SHOW

The next Australian National Shell Show is being held in SA next April. It will be held at the Goodwood Community Centre in Rosa St, Goodwood from 13-14th April 2019. Check out <https://www.facebook.com/Malacological-Society-of-South-Australia-Inc-502260489866315/>.

Details for many forthcoming events can be found at <http://www.divelog.net.au/news-events/>. Visit the web page found at <http://www.tourism.sa.com/events/event-news-edition-two.aspx> to see the latest from Events South Australia. Events are also listed on Facebook at <https://www.facebook.com/events/> .

Scuba Dive SA www.sdfsa.net (The Scuba Divers Federation of SA) is a member of the following: -

RecFishSA (SA Recreational Fishing Advisory Council) <https://recfishsa.org.au/>

SA Trails Coordinating Committee* <http://www.southaustraliantrails.com/>

* (Office of Recreation & Sport) <http://www.ors.sa.gov.au/>

Recreation SA <http://recreationsa.org/>

If you wish to be included on the mailing list for this electronic news sheet, contact Steve Reynolds, the Federation's Secretary, on info@sdfsa.net for more details.

The SDF supports both Reef Watch & DragonSearch

http://www.conservation.sa.gov.au/reef_watch

Disclaimer – The opinions expressed by authors of material in this news sheet are not necessarily those of the Federation.