

SDF News Sheet – February 2018

Monthly newsletter of
Scuba Dive SA
The SCUBA DIVERS FEDERATION OF SA

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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.sdfsa.net/newsletters.htm>.

There is a public holiday long weekend for the Adelaide Cup 10-12th March. More time for diving!

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NEW LOCATION FOR OUR 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 27th February. 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.

“BIG BLUE” MARINE COMMUNITY EXPO

Everything to do with the oceans will be on offer at the “Big Blue” marine community expo being held at Albert Hall Launceston, Tasmania on Sunday 11th February from 10am to 4pm. Entry is by donation. There will be heaps of talks and exhibits about everything to do with the ocean environment, marine science and just having fun while getting wet. Dan Monceaux be there, talking about Spencer Gulf and presenting his computer game for children, Cuttle Scuttle. It is being organised by the Seadragons Dive group. The expo includes discussions and displays ranging from plankton, Southern Ocean predators, seahorses, cold water corals, maritime heritage, cuttlefish and robots. There has been a lot of controversy in Launceston about mud raking, sewerage pollution and environmental water flows in the Tamar River. The Tamar River has some of the most damaged places in Australia, but many people care about this river and you will find out what is being done to help it. The expo will have tanks showing the special bottom dwelling marine life of the Tamar Heads. Big Blue also explores rest of the Tasmanian coast. This is a unique habitat with huge numbers of marine plants and rare animals not found anywhere else. Australia’s temperate coast is isolated from the rest of the Pacific and Indian Oceans, and Tasmania even more so. There are hundreds of species of rare seaweeds and animal species that are relics of prehistoric times like handfish and Maugean skates. Michael Jacques says that people will learn about ocean species in Tasmania and the Southern Ocean. “We have lots of information on the tiny and colourful creatures that are often forgotten, but vital to the survival of marine life. Research is helping these animals to survive our changing times. All the major scientific and management bodies will be there including the Queen Victoria Museum and Art Gallery, Institute for Marine and Antarctic Studies (IMAS), Natural Resource Management North Department of Primary Industries, Parks, Water and Environment and the Commonwealth Scientific and Industrial Research Organisation (CSIRO). I’d say it’s the biggest ocean environment festival ever to have hit Tassie and it’s one of the largest marine science events in the country. It’s inaugural and might not be repeated if it isn’t supported. For more information, visit www.marinelife.org.au.

SA’S WORST SHIPWRECK DISASTERS

The (around) 89 people who died when the *Admella* was wrecked off Carpenters Rocks in 1859 makes it one of SA’s worst shipwreck disasters. The actual number of deaths has been questioned. The same goes for other SA wrecks such as the *Star of Greece*. Around 17 or 18 people have been said to have died when the *Star of Greece* was wrecked off Port Willunga in

1888. This figure was blown out of all proportion around the time of the wreck's centenary in 1988 when the Sunday Mail (mis-)quoted the late wreck guru Ian O'Donnell. Ian's diving column in the Sunday Mail of 17th January 1988 began with a statement that Port Willunga was "the scene of one of the worst shipwrecks in SA's history". It went on to state that a whopping "189 seamen died" when the *Star of Greece* was wrecked there. The figure was probably meant to be 18 (or 18-19 perhaps).

DAYLIGHT SAVINGS

Daylight Savings in SA ends on April Fool's Day this year. April Fool's Day just happens to fall on Easter Sunday this year. According to http://www.safework.sa.gov.au/show_page.jsp?id=2675, "South Australians will move their clocks back from 3am to 2am on Sunday, 1 April 2018."

CLUB NEWS

The Wallaroo & District Diving Club recently reinstalled the Paul Gianoni memorial tank & plaque under the stairs at the Port Hughes jetty.

WA OFFERING \$200 REBATE FOR SHARK SHIELD FREEDOM7

The West Australian Government has taken a new approach to shark mitigation. It has invested more than \$33 million on a broad range of strategies. One such strategy is to offer a rebate of \$200 for Shark Shield FREEDOM7. A Queensland Fisheries spokesperson says, "The Queensland Government will monitor the results from the subsidy trial to determine if this program would be effective if implemented in Queensland."

NOTICES TO MARINERS

Be sure to keep an eye on the Notice to Mariners which can be found at https://www.dpti.sa.gov.au/latest_news/notice_to_mariners . Recent notices include: -

Notice to Mariners No 1 of 2018 - 17 Jan 2018

Mariners are advised that a two-metre square floating research structure will be located at Windara Reef near Rogues Point, Yorke Peninsula, within the following GPS coordinates:

34° 30.496' S, 137° 53.953' E

34° 30.604' S, 137° 53.949' E

34° 30.499' S, 137° 54.083' E

34° 30.607' S, 137° 54.079' E

The structure will be marked with an isolated danger marker. Mooring to this structure is prohibited. Further information regarding Windara Reef can be found at

http://pir.sa.gov.au/fishing/recreational_fishing/windara_reef . Mariners are advised to navigate with extreme caution in the area.

(Source: <http://dpti.sa.gov.au/news?a=408138>)

Notice to Mariners No 2 of 2018 - 17 Jan 2018

Mariners are advised that the existing unlit starboard beacon marking Eclipse Rock in Port Victoria has been replaced with a lit isolated danger beacon in position 34° 29' 44.52" S, 137° 28' 28.50" E, Fl W (2) 6s, range 3 NM.

The lit beacon at the end of the Port Victoria jetty, Fl WR 2s, has been removed.

Mariners are advised to proceed with caution in the area.

Charts affected: Aus 776, Aus 777
(Source: <http://dpti.sa.gov.au/news?a=408139>)

STRUGGLING SHEEP SURPRISES SOLO FISHERMAN

Did you ever think that you may see a sheep, a pigeon, a rat or a fox whilst you were out diving or boating? A solo fisherman recently found a live sheep swimming a few hundred metres off shore at Second Valley. He took it ashore where it was placed in a nearby quiet paddock to recover. Imagine coming across that sheep whilst diving! It is thought that the sheep had been grazing on nearby cliffs and had fallen in to the sea. A kayaker monitoring some student snorkelers at Port Noarlunga recently had to make a couple of trips back to shore to return pigeons that he found struggling in the water. Finally, rats and foxes have been swimming out to Bird Island at Outer Harbor to feed on birds nesting there.

2018 STATE ELECTION

The 2018 State Election is being held on 17th March and proposals and policies are flowing thick and fast. Even though South Australia's marine sanctuaries have been protecting crucial feeding and breeding areas for SA marine life for the past three years, the SA Liberal Party is now proposing to dramatically cut them back if it wins the March election. They have "spent the last three years promising the commercial fishing industry they would allow them to operate in (Marine) parks", according to a State Government spokeswoman. On the other hand, the Liberals have proposed to spend \$1.2m on three new artificial reefs for fishermen and \$4m in measures to protect SA's coastline and improve water quality. The \$4m would be spent on sand replenishment and research into new methods, development of new wetlands and the restoration of seagrass meadows. Both the State Government and the Opposition have proposed reforms to the Marine Scalefish Fishery. The government announced a buyback of 100 commercial licences whilst the opposition proposed a 30% reduction in commercial licences and new catch quotas. The Liberals say they will extend aquaculture leases from 20 to 30 years if they win the election. They also plan to build an overpass at the intersection of the Copper Coast and Augusta highways. They want to see tourist accommodation built at Stenhouse Bay too.

PLANNED MERGER OF FISHING GROUPS

It also seems that the Libs are hoping to merge RecFishSA, the SA Fishing Alliance and RecFish Central together to become the one single Recreational Fishing Council.

2012-17 REPORT ON THE STATUS OF SA'S MARINE PARKS

Meanwhile, the Environment Department has released its 2012-17 report on the status of SA's marine parks. It can be found at

[http://www.environment.sa.gov.au/marineparks/Learn/understanding-effectiveness/evaluation-reporting?BestBetMatch=reports\[e8a987ad-29f1-478c-96d1-bd3607ce4cc6\]27b9e7a8-389b-4169-a1c9-a3ab00bfbb22\[en-AU](http://www.environment.sa.gov.au/marineparks/Learn/understanding-effectiveness/evaluation-reporting?BestBetMatch=reports[e8a987ad-29f1-478c-96d1-bd3607ce4cc6]27b9e7a8-389b-4169-a1c9-a3ab00bfbb22[en-AU) .

PROSECUTIONS FOR OFFENCES IN ZANONI RESTRICTED ZONE

According to the Environment Department's 2012-17 report on the status of SA's marine parks, there have been 30 prosecutions for offences in the restricted zone around the Zanoni wreck off of Ardrossan.

2018 FISHERIES AND AQUACULTURE CALENDAR

The 2018 Fisheries and Aquaculture Calendar is available either online or through PIRSA offices. "The 2018 Fisheries and Aquaculture Calendar, which celebrates the people and faces that make up the state's fishing and aquaculture industry, along with the pinnacle of SA's seafood events. The inaugural calendar celebrates and explores the three sectors of fishing - commercial, recreational and traditional and the aquaculture sector, with a focus on the industry and government and community partnerships that underpin our sustainable fishing and aquaculture sectors in SA. The calendar includes information about key species, fisheries openings and closures, what species are in season during each month, fishing events and tips for fishers. Stunning imagery of the people who work or enjoy fishing as a hobby are featured each month – from Lakes & Coorong husband and wife team Tracy and Glen Hill, to industry veterans Robert Butson and Hugh Bailey, traditional Aboriginal fishers Robert McCallum and his daughter Chloe, along with Oyster growers from Coffin Bay, kingfish farmers from Port Lincoln and dedicated PIRSA Fisheries Officer Brooke Stanley, to name a few."

To obtain a copy, visit

http://www.pir.sa.gov.au/data/assets/pdf_file/0019/300646/Fisheries_and_Aquaculture_Calendar_2018.pdf or visit one of the below offices:

Adelaide

14th Floor, 25 Grenfell Street

Kingscote

Shop 4, Kingscote Mall

Dauncey Street

Mt Gambier

9 Krummel Street

Port Lincoln

1 Hindmarsh Street

Whyalla

15 Horwood Street

NEW KI FERRY

A new passenger ferry service from Cape Jervis to Penneshaw, Kangaroo Island started in January. Cape Jervis Tourist Services offers car and bus parking, accommodation and food, and hire cars. The \$1.6m catamaran *James Cowell* has a kids' play area and snooze zone downstairs. The ferry service is expecting to make the return trip to Penneshaw from Cape Jervis twice a day. A bus shuttle service will travel to Cape Jervis from Seaford train station.

SCULPTURES BY THE SEA

Launched on Granite Island in January, Sculpture Encounters features pieces of art that will on display as part of a partnership between the state government and Sculptures by the Sea. At least two pieces of art will be added every 6 months and all of the works will be for sale.

PLAN TO ELIMINATE PLASTIC WASTE

Almost 200 nations agreed to limit plastic pollution of the oceans last December. Plastic pollution is the theme of this year's World Environment Day (5th June). The British government, led by Prime Minister Teresa May, believes that it can take 25 years to eliminate “all avoidable plastic waste” as part of a long-term plan for the environment. PM May said that most plastic waste pollutes the sea and it is “one of the great environmental scourges of our time”. Meanwhile, check out Sir David Attenborough talking about Blue Planet II, which is credited with helping to change people's perceptions towards plastic pollution at <https://www.facebook.com/bbcnews/videos/10155516924922217/>. Blue Planet II recently won a National Television Award in the UK.

MANGROVE MESS

Rubbish found amongst the mangroves at Garden Island has been blamed for recent baby dolphin deaths. Volunteers have been trying to clean up the area.

DOLPHIN RESEARCH PAPER

A dolphin research paper titled “Hierarchical metapopulation structure in a highly mobile marine predator: the southern Australian coastal bottlenose dolphin (*Tursiops cf. australis*)” by Eleanor A. L. Pratt, Luciano B. Beheregaray, Kerstin Bilgmann, Nikki Zanardo, Fernando Diaz-Aguirre & Luciana M. Möller can be found at https://link.springer.com/epdf/10.1007/s10592-017-1043-6?author_access_token=lpYJ-yEVuxcwZwbq7MpeCfe4RwlQNchNByi7wbcMAY7b2WT4hqPGOyfSwHh98_V-VQVH9m22T1X0GFwkZGaw7jg5waXvb_z3vw2bXDGqWzA57_mqU18Gs6ZDbj3W070NjzDKWBA9rV7ph74oNZ6cqQ%3D%3D .

DEAD FISH AT WEST LAKES

Dead fish were being found in large numbers (up to 300) at West Lakes during January. Officials had to conduct tests on the water and the fish to determine the cause of the deaths. They blamed the deaths on a combination of low oxygen, high water temperature and possibly algae. People were advised to not eat any dead or dying fish. Some crabs were also found dead or dying.

BOOKS OF INTEREST

“Oxygen”, a memoir by William Trubridge, would be of interest to freediving enthusiasts. (It may also have helped those dead fish in West Lakes.) “The Secret Life of Whales” by Micheline Jenner may be of interest to whale enthusiasts.

AUSTRALASIAN FISHES CITIZEN SCIENCE WEBSITE

Australasian Fishes wants your fish photos. Australasian Fishes is a citizen science website which can be found at www.inaturalist.org/projects/australasian-fishes . Australasian Fishes are documenting Australia's fish fauna. Everyone can help by signing up to iNaturalist and uploading their images. Experts can help to identify any images posted. An introductory video is available on YouTube at www.youtube.com/watch?v=dWflis5w4tA .

CONGRATULATIONS

Congratulations go to Emma-Louise Daly on having been made the new Special Projects Officer for both Reef Watch and Experiencing Marine Sanctuaries. Emma is looking forwarding to assisting both EMS and Reef Watch with facilitating community days and the development of marine conservation and education programs in South Australia.

RARELY SEEN SHARK SPOTTED BY PAUL ALLEN'S RV PETREL

According to the web page found at <https://www.paulallen.com/rarely-seen-shark-spotted-by-paul-allens-rv-petrel/> , “While exploring a World War II ship wreckage in the Philippines earlier this month, crew members of Paul Allen's research vessel (R/V) Petrel were caught by surprise when they spotted a large shark swimming out of the darkness. Using cameras on their remotely operated submersible vehicle, her crew zoomed in to catch a better look and were able to identify the species—a bluntnose sixgill shark. Reaching up to 15 feet long, the bluntnose sixgill shark (*Hexanchus griseus*) is one of the largest sharks in the world, but uncommon in the area. Reflecting primitive characteristics from the Triassic period, the sixgill shark has more extinct relatives than alive.”

NEW CROWN-OF- THORNS STARFISH OUTBREAK IS THREATENING THE SWAIN REEFS

A new crown-of- thorns starfish outbreak is threatening the Swain Reefs on the Great Barrier Reef. The Swain Reefs extend from Gladstone to Rockhampton. Divers have been utilised by marine authorities to inject the crown-of -thorns starfish with a compound of sheep and cattle stomach bile which causes a fatal allergic reaction. The starfish are first located on the coral reef, then they are injected with the compound before being pulled away from the coral and left to die. Meanwhile, grants are being offered to people who can kill crown-of-thorn starfish, stop coral bleaching and save the Great Barrier Reef.

PLAN TO PROTECT THE GREAT BARRIER REEF AGAINST MASS BLEACHING

Prime Minister Malcolm Turnbull has announced a \$60-million-dollar plan to protect the Great Barrier Reef against mass bleaching. The plan includes funding farmers to reduce sediment run-off and innovative research. Eric Matson said that he was, “Happy to see the funding announcement made in person at AIMS North Queensland”. For further details, see https://www.theguardian.com/environment/2018/jan/22/great-barrier-reef-to-get-60m-rescue-package-from-government?CMP=Share_AndroidApp_Facebook.

ONLINE MARINE-RELATED ARTICLES

Many interesting marine-related articles can be found online at The Conversation. Visit <https://theconversation.com/au/topics/marine-biology-5939> to search for marine biology related articles, visit <https://theconversation.com/au/topics/marine-life-4854> to search for marine life related ones. To search for articles on marine conservation, visit <https://theconversation.com/au/topics/marine-conservation-3200> and <https://theconversation.com/au/topics/marine-ecosystems-1626> to search for articles on marine eco-systems. There are many more relevant headings that browse for marine-related articles.

A BRIEF HISTORY OF SOUTH AUSTRALIAN CAVE DIVING

Peter “Puddles” Horne’s brief history of South Australian cave diving (as seen from his personal perspective) can be found at <https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbXjZGl2ZXJlcHRzfGd4OjMzNmM2Y4N2IzZDhhNzc> . Other reports by Peter can be found at <https://sites.google.com/site/cdiverepts/> .

THE SEARCH FOR THE JUNEE MASTER CAVE

A forthcoming documentary called “Tartarus” brings the awe-inspiring search for the Junee Florentine Master cave to the screen for the first time. It follows a team of passionate cavers exploring the caves of Tasmania’s Florentine Valley. They are searching for one of the most inaccessible places in Australia, the Junee Florentine Master Cave. “The Florentine Valley is known for its spectacular old growth forests, but beneath the surface lies a hidden world unknown to most - hundreds of small vertical holes in the forest floor lead to a labyrinth of caves, among them the deepest in Australia that attracts hard-core adventurers wanting to put themselves to the test. There are parts that are well explored, but there are also vast areas of virgin territory, the Holy Grail for cavers. For sixty odd years, one cave in particular has eluded all who attempt to find it. The cavers and cave divers will descend into the deep abyss of the Florentine Valley and wind their way through sumps and streams, squeezing through unbelievably tight pockets, leaving a guide rope behind them – in their quest to break into new sections of Master Cave.” Watch the documentary’s trailer at <https://www.tartarusfilm.com/trailer> and see the Tartarus Facebook page at <https://www.facebook.com/filmtartarus/> .

CAVE DIVING SCIENTISTS

Tom Iliffe is a Professor of Marine Biology at Texas A&M University. He has posted an article titled “Scientist at work: I’ve dived in hundreds of underwater caves hunting for new forms of life” online at <https://theconversation.com/scientist-at-work-ive-dived-in-hundreds-of-underwater-caves-hunting-for-new-forms-of-life-88851> .

DREDGING AT OUTER HARBOR

Dredging will again be carried out in the Outer Harbor shipping channel and the swing basin next winter. The EPA has recommended that Flinders Ports use a smaller dredging vessel than what was used 13 years ago. In 2005, dredge spoil spread down Gulf St Vincent, reducing visibility and smothering seagrass. Environmental groups have called for all

dredged silt to be disposed off on land this time. The EPA, however, says that "the level of contamination of sea matter was below national guidelines". It says that by dredging in winter, and using "a smaller "no side-casting" dredging vessel,....would reduce the amount of excavated "fine sediment" spilling back into the (Port) river and smothering seagrass during the dredging by 39% ". 2000ha of seagrass loss occurred in 2005. A 39% reduction would still lead to the loss of some 1229ha of seagrass, but the EPA says that dredging in winter will result in only 1000ha of seagrass loss. So, if everything goes to plan, only half as much of the seagrass lost in 2005 will be lost in 2018. 2000ha in 2005 and 1000ha in 2018, however, means a total loss of 3000ha!

Former Onkaparinga Councillor, Rex Manson believes that the government should give the dredging Major Project status so that a full EIS would be required. Rex points out that the proposed dredging would result in over 1m cubic metres of dredge spoil being dumped into the middle of Gulf St Vincent. He feels that there is a strong possibility that the resulting plume will be pushed down to Port Noarlunga reef by the predominantly northerly winds in winter. Rex was involved in having \$15m spent on stormwater harvesting and sediment reduction in the Christie Creek catchment north of Port Noarlunga reef in 2006. The whole expense and effort could be ruined by the proposed dredging at Outer Harbor.

In 1997, DENR (now DEWNR) stated in "Protecting Gulf St Vincent" that, "we will need the cooperation and commitment of all who use its waters, beaches, wetlands, cliff and shallows to protecting (sic) Gulf St Vincent".

According to the report titled "Inquiries Into The State of the Marine Environment" (MLSSA Journal 2000), "Further studies indicate the Gulf has already lost more than 6000ha of its seagrass beds". That was written before the loss of 2000ha due to dredging at Outer Harbor in 2005. Further dredging is planned next winter, with the expected loss of more than another 1000ha.

The executive officer for the SA Freight Council is pushing for the dredging and says that "there has been some recovery" from 2005, there will be "far less loss" this next time, and "the EPA has stated that the type of grass effected will grow back". How much recovery has there been and how much will there be? It seems that the dredging and dumping involves 1.55million sq m of dredge spoil in a 7km by 5km area.

DREDGING OF WIRRINA COVE MARINA

Speaking of dredging, all of our metropolitan marinas require dredging sometime or other. Recall the West Beach boat ramp getting clogged up with seaweed or seagrass late last year? It seems that the Wirrina Cove marina has not been maintained as necessary and dredging of the marina and its entrance channel could take a year to complete. One can only wonder just what effect the dredging will have on nearby dive sites.

ScuBAR

Our speakers at last month's Scubar were Danny Brock from Marine Parks and DEWNR (speaking about our marine parks and Marine Life Surveys) and Dan Monceaux (speaking about underwater videography). Our next ScuBAR won't be held until April due to the Mad Month of March, which includes the Adelaide Fringe and the Adelaide Festival. 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 and Wayne Farquhar at Dell'Uva Wines for their generous support of our Federation.

FIRST TIME DIVER DIED IN FALL OVERBOARD

According to the web page found at www.divernet.com/home-diving-news/p321404-new-year-s-eve-death-in-thailand.html, "A first-time diver has died in the Phi Phi islands in Krabi, Thailand, after falling off a dive-boat while still carrying his weights. The incident occurred on the last day of 2017. Alok Kumar Shukla, 25, from India, had completed his first scuba-dive, which was being run for a group by a local dive-centre, and was already back on the boat. He had removed his equipment but not his weight-belt when he fell overboard. According to a report in the Phuket Gazette, three people jumped off the boat to recover Shukla but had difficulty locating him in the choppy water conditions. When he was eventually brought to the surface, CPR and oxygen were administered and he was taken to a local hospital, but was later declared dead from drowning. A police investigation was reported to be under way following the incident."

FORTHCOMING EVENTS:

BRIGHTON JETTY CLASSIC

The Brighton Jetty Classic is being held on Sunday 4th February 2018. The Channel 7 Brighton Jetty Classic is South Australia's largest open water swim and street festival. It attracts a field in excess of 1,000 entries for the 1,500m and 400m swims and now includes a 100m family swim, so everyone can be involved. Visit www.brightonjettyclassic.com for more details. There will also be a sculptures exhibition along the Esplanade as part of the Brighton Jetty Classic. Visit www.brightonjettyclassicsculptures.com for more details.

CitSciOz18

CitSciOz18 will be held from February 7-9th 2018 in Adelaide. The final keynote speaker has been confirmed as Dr. Alan Finkel, Australia's Chief Scientist. Dr. Finkel is an engineer, neuroscientist, successful entrepreneur and philanthropist with a personal commitment to innovation and commercialisation. He is passionate about communicating the wonders of science. Dr. Finkel completes an exceptional line up of key note speakers.

19TH INTERNATIONAL CONFERENCE ON SHELLFISH RESTORATION

The 19th International Conference on Shellfish Restoration is being held in Adelaide from 19th – 21st February 2018. This three-day conference will provide a forum that fosters partnerships, initiatives and exchanges of information necessary to further the science and practice of shellfish restoration efforts around the world. Attendees include representatives from the shellfish aquaculture industry, government, academia, NGO, community groups, practitioners and other restoration supporters. The conference will feature invited speakers, panel sessions, contributed oral and poster sessions and interactive workshops. The schedule will allow for social interactions and collaborations in a relaxed atmosphere.

DIVE FOR CANCER

This year's Dive for Cancer event is being held at 9.30am on Sunday 25th February 2018 at Port Noarlunga – see <https://www.facebook.com/diveforcancer/> or <http://www.diveforcancer.com.au/buy-ticket/> .

“WET SOUNDS AT ADELAIDE FRINGE”

The Adelaide Fringe Festival is starting soon. Wet Sounds, in collaboration with The Dive Shack, is coming to the Adelaide Fringe. “Wet Sounds transforms swimming pools into art spaces, immersing the public in a deep listening experience while floating or diving in the water. Sound travels four times faster in water than it does in the air, and is perceived by the entire body and the inner ear. Underwater, the sound is very clear, detailed, and gives an unusual feeling of womb-like privacy within a public space. The music is an eight-channel composition divided to speakers above and below the water surface. The water surface acts as a threshold between two worlds, the public and the private, the real and the imaginary. Accessed for the duration of a breath of air, the audience member crosses the threshold between two different music and two entirely different listening experiences exploring the gravity free watery space with movement. Looking into the depths of the pool, audiences will discover scenes emerging beneath them as scuba performers use the pool floor to stage surreal scenes and interact with audiences who dive in. No two experiences are alike. The music draws on electroacoustic and collage traditions to create a charged and dynamic composition that activates the sports centre space into the realms of fantasy and abstraction. Swimwear (is) compulsory, goggles (are) recommended. Audiences must be able to swim.” “Wet Sounds at Adelaide Fringe” is being held each night from 1st to 5th March at the Adelaide Aquatic Centre, Jeffcott Rd, North Adelaide. Tickets are available at <https://www.adelaidefringe.com.au/fringetix/wet-sounds-af2018> .

OCEAN FILM FESTIVAL

The Ocean Film Festival World Tour comes to Adelaide's Capri Theatre, 141 Goodwood Rd, Goodwood on Saturday 17th March 7 pm - 10 pm. Tickets are available through EventBrite at <https://www.eventbrite.com.au/e/ocean-film-festival-world-tour-adelaide-capri-theatre-17-march-2018-tickets-38927526279?aff=efbeventix> . There is a Facebook page at <https://www.facebook.com/OceanFilmFestivalAustralia/> .

ADEX 2018

ADEX is being held in Singapore 6-8th April. Visit www.adex.asia or see page 59 of the February issue of Dive Log for more details.

PARKS & LEISURE AUSTRALIA + RECREATION SA CONFERENCE

The 2018 Parks & Leisure Australia + Recreation SA Conference is being held on Thursday 7th June 2018.

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.

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 pages 63 of the February issue of Dive Log. Visit www.australiadiveexpo.com 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.

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.

“BLUE” AT PICADILLY CINEMAS 8TH FEBRUARY



Wallis Piccadilly Cinemas, 181 O'Connell Street, NORTH ADELAIDE

Thursday, February 8th, 2018 6:30 PM

BOOK TICKETS NOW

tickets.demand.film/event/2922

Preview - <https://youtu.be/dq-tUZG2vsA>

Click [here](#) to purchase ticket.

Details for many forthcoming events can be found at <http://www.diveblog.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.

SENATE INQUIRY INTO CURRENT & FUTURE IMPACTS OF CLIMATE CHANGE ON MARINE FISHERIES & BIODIVERSITY

The senate inquiry into current and future impacts of climate change on marine fisheries and biodiversity was released on the 6 December. The review provided recommendations regarding resourcing of research capacity (i.e. IMOS, RV investigator) as well as reiterated some of the recommendations to come out of marine fisheries and aquaculture productivity commission (i.e. recreational licensing, data collection, OCS). Recommendations that are of particular relevance to FRDC include:

- Recommendation 1: The committee recommends that the Australian Government review the funding provided for research into the effects of climate change on the marine environment and possible adaptation measures to ensure the funding is appropriate for facing the challenges of climate change.
- Recommendation 2: The committee recommends that the Australian Government take a national leadership role in funding and supporting connections between the fishing and aquaculture industry and research organisations to help industry understand and adjust to the effects of climate change.

The full report can be found at:

https://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Environment_and_Communications/ClimateChangeOceans/Report .”

SHIPWRECK TOPICS

Brief reports on shipwreck topics by Steve Reynolds

STAR OF GREECE

Paul W Simpson recently published a book about the Star of Greece wreck. The author of books such as “Windjammer – Tales of the Clipper Ship Loch Sloy” has now added “Star of Greece – For Profit & Glory” to his list of publications. The soft-cover book comprises over 300 pages and is available from the City of Adelaide clipper ship (Dock 1, Port Adelaide) for just \$15 – see www.cityofadelaide.org.au . The 130th anniversary of the wreck falls on 13th July this year. Commemoration events are being planned for the anniversary. (It’s actually the 150th anniversary of the launching of the Star of Greece in 1868.) The Star of Greece exhibition at the Willunga Courthouse Museum at 61 High St is open on the first Tuesday, second & fourth Saturday and fourth Sunday of each month from 1 to 4pm.

LAKE HURON SHIPWRECK DISCOVERED

Divers have located the wreck of the steamship Jane Miller that sank during a storm in Lake Huron in Ontario, Canada in November 1881.

TITANIC VIRTUAL REALITY

Wanting to experience a dive down on the Titanic? It is now possible via virtual reality. Visit www.immersivevreducation.com/virtual-reality-titanic/ .

DARWIN SHIPWRECKS REVEALED AT LOW TIDE

Low tides in Darwin reveal many 'shipwrecks'. According to the web page found at <http://www.weatherzone.com.au/news/years-lowest-tides-reveal-shipwrecks-marine-life-and-debris-on-darwins-shores/527210>, "Maritime archaeologist Dr Silvano Jung has been surveying the degrading shipwrecks that become visible during especially low tides for more than 10 years. . . . There's a wreck of the Dutch bomber at Nightcliff on Sunset Park," Mr (Doug) Wade said. "Tragically it just took off from Darwin and crashed and seven people lost their lives." The tale is a tragic one, but it has become fodder for other history enthusiasts searching Darwin's shores. "There's a bit of the fuselage and some of the motor you can see out there now," Mr Wade said."

ANNIVERSARIES

It is almost 16 years since the Seawolf was scuttled off of Port Noarlunga on 23rd March 2002, in conjunction with the HA Lumb and the Port Noarlunga tyre reef.

The Yongala sank off of Townsville, Queensland 91 years earlier, on 24th March 1911.

109 years ago, the 3596-ton turret deck steamship Clan Ranald sank off Troubridge Hill, Yorke Peninsula on 31st January 1909. According to the web page found at

http://www.environment.sa.gov.au/heritage/pdfs/clan_ranald.pdf, "The wreck was found in 1962 by the S.A. Museum Underwater Research Group who later purchased the remains (in 1963). In 1988 ownership was transferred to the South Australian Government." and "It has been declared an historic shipwreck under the Historic Shipwrecks Act 1976, and as such the remains cannot be disturbed without a permit."

114 years ago, the 3-masted iron barque Ethel was wrecked at Reef Head on 2nd January 1904.

121 years ago, the 2428-ton, four-masted steel barque Hougomont was built at Greenock, Scotland in 1897. She was eventually sunk as a breakwater at Stenhouse Bay on 8th January 1933 after being de-masted the previous year. The Finnish vessel was almost completely de-masted south-west of Cape Borda. She managed to limp into the Semaphore anchorage without assistance.

151 years ago, the barque Zanoni sank in a violent storm in Gulf St Vincent on 11th February 1867. En-route from Liverpool on its first voyage, the Zanoni sailed to Port Adelaide via Mauritius. She then sailed to Port Wakefield before returning to Port Adelaide on 11th February. The Zanoni was thrown on its beam ends during a violent squall and rolled over, keel upwards. It sank within five minutes. All sixteen people onboard were rescued by the ketch Powles and taken back to Adelaide. The Zanoni was not found until April 1983 She lies in about 18 metres of water near Ardrossan, in the middle of St Vincent's Gulf.

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://recreation.sa.gov.au/>

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.