Antarctic, a wake-up call for Humanity

by Bernadine Schwartz

The first intensive study on Antarctica has been completed and it's just another sorry tale of how all pervasive global warming has become. This is the only continent virtually untouched by man but this latest research is showing our presence is being felt even here, in the far reaches of our planet.

Nearly 100 scientists from around the world participated in this research and they have been stunned by their results. Shocked enough that they have immediately advised nations to prepare for much higher than anticipated global sea levels in the future.

This once pristine continent has lost three trillion tonnes of ice since 1992 and the melting is accelerating at a much faster pace than scientists ever imagined. They have discovered that not only is the atmosphere responsible for the rapid melting but rather the warm water that's trapped underneath the glaciers is a major contributor.

The Arctic with its ice cap and sea ice, is fundamentally water that's already in the ocean, whether it's liquid or solid, so it doesn't directly affect global sea level rise. Antarctica on the other hand is not comparable because it holds approximately 90% of the planet's ice and according to NASA, this means that it has the capacity to elevate global sea levels by 61 metres. All coastal communities around the world will be seriously threatened, even if we only experience a fraction of Antarctica's capabilities.

Australia has 85% of its population living within 50 km of our coast and 8 of the 10 largest cities on the planet are located on



the coastline, yet we still arrogantly persist in building on our coastlines. In September 2017 the National Oceanic and Atmospheric Administration published a study on the effects of global warming on the US coastline and reported that nuisance flooding had risen by 300% to 900% in the last 50 years and was becoming more prevalent every year.

The Thwaites glacier is one of the least explored areas in Antarctica and comprises of many smaller glaciers. These glaciers act like corks and play a vital role in holding back the enormous ice mass that makes up the Western Antarctic Ice Sheet. What their findings have shown, is that these glaciers alone, have already contributed 4% towards global sea level rise and the rate has doubled since the mid 1990's. This is why it's absolutely imperative that they continue to do more research.

In 2013 Live Science published a study on the severity of the melting on the Thwaites glacier, where they found swamp-like water trapped underneath. This warm water has stripped away its ice mass and is lubricating it against the ground,

potentially speeding up its rush into the sea. Satellite images have also revealed that the Thwaites glacier is changing faster than expected and Antarctica itself, has already shrunk by 1,463 square kilometres in the period between 2010 to 2016.

Nature Geoscience published a study that has proven how a slight increase in temperature has been responsible for a loss of five metres of ice every year from the bottom edge of this massive ice sheet. Some sections of Thwaites extend more than two kilometres underneath the water, and yet they have still continued to melt away at the base.

An Australian team of scientists conducted tests on the Mortz glacier in Eastern Antarctica and discovered that it was another area where rapid melting was occurring beneath the surface. What they've now come to understand, is that a positive feedback loop is being created from this warmer water penetrating from below and this is why Antarctica's ice is melting so

Another dilemma scientists are faced with, is when this melted ice enters the ocean surrounding

the glacier, it decreases the salt content, making the cold, freshwater more buoyant and eventually preventing the natural mixing of the ocean. This poses an additional problem during winter because the warmer water becomes insulated at greater depths by the colder surface water and causes

further glacial melting from below. More evidence of this feedback loop was found when *Science Advance* published research done by a team of scientists from the University of Leeds. They studied a cavern the size of Greater London under the surface where the ice had entirely vanished from the bottom up because of rapid melting.

Scientists are now aware that the injection of cold water from the melting glaciers is compounding the problem by causing currents to slow down in the ocean. The end result is the storage of more warmer water and carbon dioxide.

If this isn't troubling enough, there is another problem. The bedrock underneath Antarctica is gradually lifting. As the weight of the ice diminishes the bedrock underneath rises and measurements have shown it has been lifting by 41mm per year.

The study of viscosity distribution is still in its early stages but scientists have learned that the viscosity of the mantle doesn't depend solely on temperature but also depends on the water content. Dramatic changes have been observed in the Antarctic bedrock

and this has led scientists to believe that the shift in response to ice loss can take place far more rapidly. This upward thrust of the mantle on the bedrock has always been thought to take 1,000's to 10,000's of years to occur but instead it's now becoming clear that this can happen over centuries and maybe even decades. NASA has concluded that the bedrock is lifting four times faster than predicted and if this trend continues, they are convinced that the entire West Antarctic Ice Sheet could collapse within a century.

When I read all these disturbing facts, I have to pinch myself and say, is this really happening? We mightn't have signed on the dotted line to participate in a society where consumerism dominates but our participation has fed the machine and our planet is paying the cost. These are serious issues that deserve more than a fleeting moment of your time.

We have a federal government threatening to withhold state governments' share of GST, if they do not comply with fracking by mining companies as well as a NSW government that has tightened the penalties for protesting.

The federal and state governments agenda is, either log it, frack it or do both and then put up a phone tower! What they are doing, is preparing themselves for the public's eventual outrage by putting these harsh penalties in place. It's not an overstatement to label climate change a global emergency and yet what are we doing? Waiting for the next ineffectual government that we vote into power to take action. How much longer are you prepared to wait?

Who shut our free community shop in Brunswick?

Each year, Dennis Stevenson borrows an empty shop (in 2016 and 2017 at Ocean Shores) a week before Christmas, to give away thousands of new presents to help ensure no one goes without. After Christmas, to continue the spirit, he took hundreds of items to the huge community shed in Banner Park, beside the lovely Brunswick River, near the hotel.

Dennis says love isn't conditional, so everyone is welcome to take things. Into its fifth month, open 24 hours every day, over 15,000 absolutely free items, many new, were given away. Also, surf skis and boards, kid's table/chairs and slippery dip were put out daily in the park free to use (but not to take home).

A dirty, dingy, dangerous and unhygienic space, not cleaned for months/ years, used for drugs, excessive drinking and living/storing things in, that many people wouldn't enter, was transformed with love and daily cleaning (and high pressure water and vac blower) to be a safe, vibrant, family friendly space that hundreds more people were visiting and enjoying dozens of benefits.

People inspired to help each other. New friends. Many new or quality items. Real books, games, toybox etc for kids (a rest for mum). Garage sale items and things left in parks/foreshores collected, washed and recycled. Decluttering. Free food, hugs, counselling and a friendly ear. Homeless got shoes/warm clothes/bedding and camping gear. A true community hub.



Who closed our help centre?

On Wednesday 9th May, a Crown Lands Holiday Parks agent phoned me and ordered our shop shut within two days. Better would have been lawful notice, due process, time to respond, a caring attitude with people's interests and the shop's fabulous community support uppermost.

At least a chance to remedy the questionable claim of sometimes not being enough tables for picnickers. Of 17 tables in the park, we normally used three of the eight inside the shed. With thousands homeless and most people in debt, we were helping people and their families survive.

The following Monday Dennis was there from 5.30am vac cleaning, tidying and putting more things out. A couple of hours after he left, he was sent a photo of an empty shed, saying everything had been removed.

"Is it time to review who acts as servants and who as masters? Then take

non-judgmental, lawful action to restore our unalienable rights and freedoms so we can use our skills to share/create abundance for each other without hindrance.

"Remembering to always follow our intuition (excitement, passion, interest) in each moment, as best we can, without expectation.

"Love isn't just the fastest way to change ourselves and our world. It's the only way!" Dennis said.

Dennis shares many ways to live for free. He offers free coaching, talks, workshops for people/communities/businesses.

"Let's create abundance by sharing/ supporting each other – growing food, giving clothes etc, providing and building accommodation and sharing skills/ services/creativity/practical knowledge – all for free," he said.

For more info call Dennis on 0490-444-226, or visit his website: www. spiritofchristmas1.com

Some comments

* My 8 and 9 year-olds walk in here and see a completely different approach to how the world could be. Thank you! – Amielia+Luca+Maya.

* The energy is completely transformed in this space. The vibration is lifted –

* Love and light to all you beautiful and incredible souls.

* I love this! I wish it was like this everywhere, bless your heart.

your heart.
* There is no greater
leadership in this world
than one who gives.

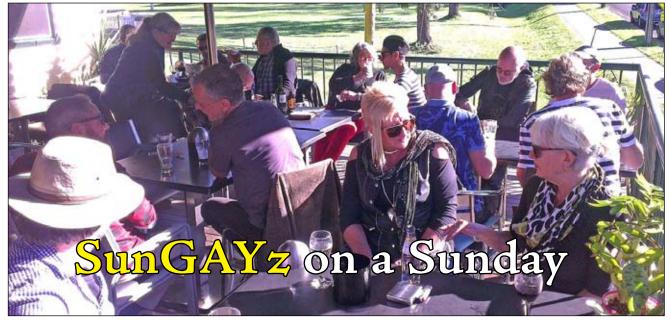
* This needs to be taught throughout the world.

* I found many useful treasures for myself and kids that would never have happened otherwise. – James

* SO inspirational, giving and helping the homeless. Bless, Jade.

* I'm living without money, about to migrate to Canberra's Aboriginal embassy. I was afraid of the cold but found a warm t-shirt. Thank you!

- * This place looks really clean. Thanks so much.
- * More than just a gesture. A man with infinite vision. World bless, Ricardo, Brazil.
- * A beautiful soul, giving and trusting.
- * I got a sleeping bag for my homeless dad.
- * I'm 12. I love your shop. Keep changing the world step by step.
- * Doing a fantastic service to the community.
- * Amazing project. I'll drop stuff off soon.
- * You're an inspiration paying it forward.
- * Dennis, the world needs more of you. Makes my heart smile, Jahlane.
- * Should be done all over Aussie. Willemina.
- * Fantastic idea. * Brightened my day.
- * Beautiful.
- * Super Inspiring.
- * Awesome! And:
- * Love from France, Brazil, California, Spain, England, Canada, Poland, Italy and "Maybe I could start one in Germany."



by Brendan McMahon

Good times were had by all and sundry at the first SunGAYz at the Nimbin Bowlo.

About 50 queers and their dears chillaxed, ate great food, and enjoyed a surprise burlesque show!

The raffle prizes ruffled feathers with glee when they found out it was a \$50 gift voucher from Bunnyhole fashion store (thanks Nollie), and a free meal from Masterchef Mick.

There was a bit of

confusion with bathroom availability (sorry Red!), but after speaking with the Gender Centre and Bowlo management, our transgender friends can relax and use any facility available.

Make sure you make it to

the August event on Sunday the 26th, from 1pm - 7pm at the Nimbin Bowlo. The kitchen will be open.

If you think you have an act that would make a queer impact, give Brendan a call 0487-834-980 and the stage will be yours.

Awards for Wollongbar TAFE

TAFE NSW Wollongbar's tourism, events, aviation, cookery and hospitality teaching section took home gold in the Tourism Education and Training category, at the 2018 North Coast Regional Tourism Awards held at Opal Cove Resort in Coffs Harbour in July.

They joined 25 other leading tourism businesses, events and visitor experiences as finalists across 13 award categories, in the annual awards which acknowledge excellence in tourism in regional NSW.

TAFE NSW Head Teacher, Mary Allan said, "Winning this award is testament to the quality industry training that TAFE NSW delivers to ensure that students are equipped with the hands-on, emerging skills that employers need."

The teaching section was also inducted into the Hall of Fame for gold award wins at the 2014, 2015 and 2016 Awards, in the Tourism Education and Training category.

TAFE NSW will now proceed to the NSW Tourism Awards gala event in Sydney in November.



Something for everyone

August 17-19, Tyalgum

The O'Heart Festival is a three-day festival in a beautiful tourist village.

Imagine a huge market with stalls spreading from one end of the village to the other with acoustic roots and folk music playing across multiple venues.

This festival is deeply rooted in environmental awareness (alternative energy technologies and sustainability solutions), Wellness and Spirituality (Conscious Living), and live music from the best local musicians.

The O'Heart Festival is a not-forprofit organisation. It is a combined effort of the Tyalgum community, working through the Tyalgum Village Market Association, to put on an annual festival.

Live music

The Heart Collectors, Famous Will, Murray Kyle, Silk n Oak, Luke Bennett, Phil & Tilley, Raku One O'Gaia, Manoa, Bill Iacobi, Yovo Tuki Northern Rivers Folk Choir and more.



Market stalls

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Two full days of free kids' activities run by a couple of talented primary teachers. Storytelling, bellydance, making garlands, rice mandalas, twirling batons, kids' yoga.

Food and drink

Award winning coffee, a gin bar with sensational cocktails and champagne with edible gold, an artisan bakery, Flutterbies cafe, an authentic Italian gelato shop, organic chocolate, chai harem and much more.

Activities and Workshops

Laughing yoga, Oriental meditation, belly-dancing, Deep Peace Immersion, women's healing circle.

Wellness and Spiritual

Shamanic healing, alchemy sessions, sacred circle hypnotherapy, essential oils, organic beauty products, astrology, palmistry, crystals, Reiki





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Dams

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Bush Theatre gigs





"A vocal cross between Tom Petty and Roy Orbison, Fenton's tasty guitar would sit well on recordings by either Wilbury" – Rhythms Magazine 2017

James Mcq and D Henry Fenton Sunday 19th August 12.30pm Entry by donation.

An amazing afternoon of music on offer as two highly regarded musicians come together for the first time.

James Mcq is a singer/songwriter based in Melbourne that plays music of the Indie-acoustica genre. His debut single *Westgate* is currently being pushed by Triple J and he has recently finished a three month Oz tour opening up for Missy Higgins, Dan Sultan and Boy and Bear.

D Henry Fenton is an Australian musician who is based in America. His last album *Turnin*' was recorded with producer Steve Holroyd (Counting Crows/Tom Petty) and received US radio airplay. His music blends Americana and folk, bringing to mind Wilco and Neil Young.

Catch these two wonderful performers on the outdoor stage for an afternoon of superb songwriting and exquisite emotive vocals.



"A master of his craft." – Sydney Morning Herald

Sean McMahon

Friday 31st August 7pm Entry by donation.

The Nimbin Bush Theatre is delighted to announce another performance of world class musicianship as part of our Dinner Under the Stars program.

With five albums to date, Sean McMahon has honed a voice all his own and traverses a musical landscape from alt-country through to folk, blues, 'cosmic' country and rock and roll.

A cross between The Eels and Steve Earle, he creates "some of the tastiest guitar playing and songwriting around" according to Rhythms Magazine.

Catch him on the outdoor stage, Under the Stars, for an evening of musical finesse. The Cafe will be open. BYO.

Passport to Airlie Battle of the Bands

First performer announcement

Passport to Airlie – Battle of the Bands competition is the largest band competition in Australia, and for the second year running is being

held at the Nimbin Bush Theatre. With entries flooding in, we are excited to make our first artist announcements for the heats, being held every Saturday in August from 12.30pm.

Each heat will showcase four acts who are vying for coveted performances at this years Airlie Beach Festival of Music.

Heat One on 4th August is showcasing Tomi Gray and Dreams of Indigo. Heat 2 is on 11th August, and performing will be local lad Laurie La and Clay. Heat 3 on 18th August will feature Mecha Mecha, and for heat 4 on 25th August, one of the performers will be roots fusion wünderkind Jerome Williams.

The quality of entries is astonishing, many established professionals are performing and this is a testament to our local talent. Featuring a diversity of musical styles this competition is a great way to support local music and it's free entry!



Roots fusion artist Jerome Williams will be performing in Heat 4, 25th August





СОСК

A Stooged Theatre Company Production, Friday 7th & Saturday 8th September, 7.30pm. 18+, \$30.

The award-winning and sharptongued *Cock* by Mike Bartlett has been wowing audiences in London, New York and Sydney,

Cock is a wild exploration of sexuality and ambivalence. As lovers battle for their sexual identities, we learn this is the ultimate cockfight.

In our current political climate – when debates of marriage fill the media – *Cock* asks the question, what is the "normal" choice?

John needs a break from his needy boyfriend, he wants to find himself.

Then he meets the girl of his dreams. Torn between the two, John flip flops between male and female lovers. Is John straight, bi or gay?

Full of guilt and indecision, John feels the pressure as he doesn't know what he needs. Humourous, emotional and topical, this drama looks at our zeitgeist with insight.

Cock is directed by Mathew Lee (The Pillowman, The Weir), assisted by Charlotte De Wit (Lord of the Flies) and features Elise Bialek (Blood Bank), Alan Glover (The Importance of Being Earnest), Drew Holmes (The Book of Everything) and Benjamin Louttit (The Weir).

Book online now and support this world class local theatre. Cafe open.





The Nimbin School of Arts second BIG Blue Moon Cabaret for 2018 on Saturday 18th August features a series of new performers along with some favourites.

Wonderful Spanish singer Tania Balil accompanied by her partner John Rohrig will feature, together with Matty Rogers, the Sweet Rennaisance madrigal group and the Romaniacs.

Touring performance artist Jean-Paul Bell will join local duo Mika and Teya, two double aerial acts will feature trapeze artistes Michell and Uzumi and newcomers Rosa and Anais.

Brisbane stand-up comedians Stef Tisdell and Suraj Kolarkar are on the programme along with contemporary dancer Silvia Magnani and poet/host David Hallett... and more.

Bookings are essential at Perceptio (phone 6689-1766). Tickets \$35/\$30 conc. Fully catered by the Radical Faeries. Doors open at 6.30pm for dinner and drinks (NO BYO).



The essence of India... in Nimbin

Soul Sangeet brings the essence of India to the Nimbin Hall on Saturday 25th August.

"Sangeet" translates as sound or music in Sanksrit, and follows a philosophy of spirit within sound.

This concert will delight you with the transcendental spirit of Indian raga music. Raga is loosely defined in western terms as a scale, but in Indian Classical connects with a deeper essence of sound and bhav (feeling) and offers a mystical musical journey to relax into.

Jo Kelly from Café Mantra Music begins the evening with her peaceful mantra grooves, followed by Melanie

Sangeet Mishra is an eighth and is a fast rising name across India,

Joining him on stage for the first Having studied as a child with his







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SAT 4 AUG 12.30pm

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SAT 11 AUG Battle of the Muso's 12.30pm

PASSPORT TO AIRLIE Heat 2 SAT 18 AUG Battle of the Muso's



SUN 19 AUG 12.30pm DONATION

12.30pm

Sunday Special JAMES Mcq + **D HENRY FENTON** Triple J favourite

PASSPORT TO AIRLIE

Heat 3



12.30pm FREE

SAT 25 AUG Battle of the Muso's PASSPORT TO AIRLIE Heat 4 - Last heat!



7pm DONATION

FRI 31 AUG Dinner Under the Stars **SEAN MCMAHON** World-class folk-blues from Melbourne



SAT 1 SEPT 12.30pm FREE

Battle of the Muso's PASSPORT TO AIRLIE Semi-Final!



FRI 7 SEPT **SAT 8 SEPT**

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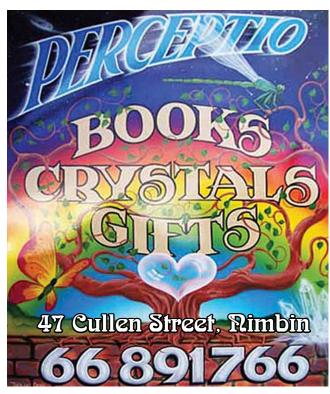


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Sacrifice Zone screens in Kyogle

The Kyogle Group Against Gas (KGAG) invites everyone to a community event from 5pm to 8.30pm on Saturday 4th August in the Supper Room at Kyogle Memorial Institute (KMI). (Entrance to Supper Room is on Roxy Lane off Stratheden Street.)

The film Sacrifice Zone will be shown, followed by a Q&A with the directors, David Lowe and Eve Jeffrey. Entry is by donation and supper will be provided at a small cost.

Sacrifice Zone is the story of the proposed CSG Mining in the Pilliga State Forest near Narrabri in North Western NSW. The film discusses the impact on the water, land and air from the initial 850 wells planned to be drilled. Most land within the Pilliga is in crown tenure, either as State Forest, Nature Reserve or National Park.

Kyogle Group Against Gas is a community group of local farmers and citizens who have a stall at the Farmer's Market every third Saturday from 8am to 12 noon. If you would like to join our group, please drop by our table at the Markets.

We welcome new members, and invite our community to



Rikki Coulston and Gordon Flint at the KGAG Market stall

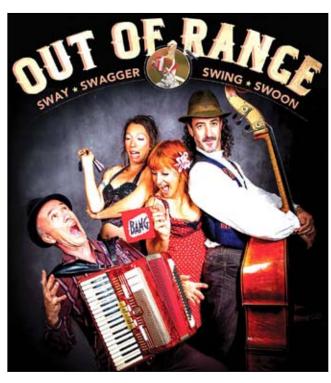
come along to see Sacrifice Zone. It's an important film for all who care about the future of energy in Australia.



Acoustic harmony

Kellie Knight, along with 'The Daze' singers, Rebecca Ireland and Mark Heazlett and "The Daze" drummer Carl Georg, are showcasing the power of vocal harmony with a lush acoustic original songwriter's session at Sphinx Rock Cafe at 12 noon on Sunday 19th August.

Deep soul music meets folk songs with Cajun beats and acoustic guitars, with an emphasis on the sweetness of voices together. An intimate show combining awardwinning songwriting talents and friendship.

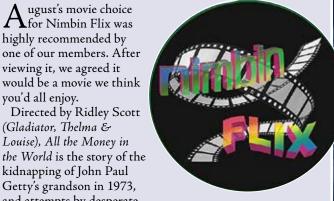


Out of Range are back at Sphinx Rock for Fathers Day with a barrel load of new songs to feast your ears. Their music is always a delight... happy and upbeat but sometimes you find a serious message below the surface. Songs like Spinach in the Pot, which seems to be about food but upon closer listening, talks of high rents in the area and the plight of being able to afford to live here.

The answer for these musicians is get out to nature, light a fire, play music, share food and love one another. That's what you can do with this band at Sphinx Rock. Enjoy the delicious food, great music and friendly vibes. So bring your dads and your granddads too. They will love it along with all the family, coz Out of Range are guaranteed to put a smile on your faces... and if your dad isn't around, come anyway. Be there, care and share.

If you like what you see or you miss them, they will also be at the Nimbin Roots Festival, 14-16 September.

Sphinx Rock Café, Sunday 2nd September, 12pm -3pm, free. Get a preview on their website: https://outofrangeband.com



and attempts by desperate family members to get him to pay the ransom. Starring highly acclaimed Michelle Williams and Christopher Plummer, the film was released in 2017 and

you'd all enjoy.

subsequently nominated for numerous prestigious awards. It's a crime drama that has received mixed reviews, but there is no doubt that its non-stop action is guaranteed to keep you on the edge of your seat, even if you know the outcome.

Michelle Williams is outstanding in the movie and 88 year-old Christopher Plummer was pulled in to replace Kevin Spacey following accusations of sexual harassment a \$10m makeover, according to some.

All the Money in the World will be screened at Birth & Beyond, 54 Cullen Street, Nimbin on Saturday 11th



August. Doors open at 6.30pm for a 7pm screening. Entry is free to Flix society members. Non-members pay \$10 at the door and everyone is welcome.

Nimbin Flix is auspiced by Nimbin Community Centre Inc.

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