



LIME SCOOTERS RETURN AFTER THEIR OWN BREAK



Lot 59 filled with Lime scooters in the Fall 2018 semester (left). Lot 59, same spot, completely empty with no Lime scooters in sight over winter break (right). Photos by Jessenya Guerra.

By Jessenya Guerra

Just as quickly as they appeared, the Lime scooters vanished from California State University, Monterey Bay (CSUMB) over the winter break. Some students might not have even noticed that they were gone in the first place, though others were disappointed. However, the Lime scooters, whether you noticed or not, were gone and returned over the weekend for students to use as classes begin again.

“Campus planning along with the University Police Department and Lime were in constant communication over break,” said Matthew McCluney, CSUMB’s senior campus planner, “Lime decided to bring the fleet back in for maintenance and other work as students wouldn’t be needing [the scooters].”

The scooters came back better than ever, restoring some of their bells and whistles that had diminished due to their constant use in the past semester. Lime took the time to fix any scooters that were broken and retire any scooters that no longer functioned. McCluney also informed *The Lutrinae* of the Lime scooter rodeo that was held twice as part of welcome back week on Tuesday and Wednesday of this week. The rodeo was designed for students, not only to win prizes, but to learn how to ride the electric scooters in a safe environment. Rules and regulations regarding the scooters were covered and demonstrated for students.

For those who were unable to attend these events *The Lutrinae* saw fit to take a moment to refresh on the ins and outs of the Lime scooters.

“Lime is revolutionizing mobility in cities and campuses by empowering residents with a greener, more efficient, and affordable transportation option that also improves urban sustainability,” according to the CSUMB website on Lime-S. Although these scooters are efficient and affordable, they still have rules and regulations to follow with their freedom. The same web page continues with information on how to be safe while using Lime scooters, including the following list:

Follow these safety tips

- California law requires wearing a helmet while riding.
- California law requires the rider to hold a driver’s license or permit.
- Yield to pedestrians
- One rider per scooter
- Do not bring scooters indoors
- Leave at least one ear free of headphones while riding
- Park scooters near building entrances, on pavement, but clear of any doorways and pathways
- Walk scooters in crosswalks and busy pathways

While all of these rules seem like common sense, it can still take some reminding when returning to campus after such a long break. Another important safety tip regarding Lime scooters comes from the CSUMB Student Housing Community Standards. These standards state, “Lime scooters are not allowed inside of any residential building on campus. Lime scooters are owned by Lime, not by individual residents, therefore there is no need for them to enter the building as they should be outside for public use.”

Lime scooters should always be left outside, saving Lime scooters can be done by pausing your ride within the app. Other than that the scooters can not be held inside any campus building, campus housing or private building. The scooters should always remain outdoors. Along with this, the policy also addresses the charging of Lime scooters.

“Residents are prohibited from bringing Lime scooters into any residential building to charge them. Individuals found in possession of such prohibited devices may be subject to conduct action...” states the CSUMB Student Housing Community Standards. Becoming a Lime Juicer is prohibited by anyone living in campus housing, this includes students living in East Campus.

For more information regarding the lime scooters, please visit csumb.edu/transportation/lime-s.



Campus construction continues

By Jessenya Guerra

While California State University, Monterey Bay (CSUMB) students returned home for the holidays, the campus received a bit of a face lift. Significant progress was made on the New Otter Student Union building and Academic III over the winter break, along with many other smaller projects that took place. Inter-Garrison Road, in the center of campus, was closed the majority of the break.

“We used this opportunity for an extension of utilities throughout the student union site and campus-wide,” said Matthew McCluney, CSUMB’s senior campus planner. “We took advantage of the break to close the road and work underneath. As of now, the road is back open and that work has been completed.”

All of the work that required Inter-Garrison’s closure was done under the road. The campus planning team utilized the break and the road being broken up to deal

with general maintenance under the campus. This work was executed and completed before students returned for classes on Jan. 22.

The largest, and most notable of changes, took place on Sixth Avenue. “The work done on Sixth Avenue between Eighth and Inter-Garrison was one part of a dozen projects on campus which included the new sidewalk, a permanent raised crosswalk, a repaved bus stop, and the beginning of planting and landscaping of that area,” said McCluney.

When asked if the speed humps would return to Sixth Avenue, McCluney said that the temporary speed humps were replaced with the permanent raised crosswalk. Work on sidewalks was also done on Fourth Avenue across from the Alumni center. The large cement gutter that was present before is now a sidewalk for pedestrians to use to better access the campus.



New sidewalk on Sixth Avenue. Photo by Jessenya Guerra.

Lutrinae’s new faculty advisor



An interview with Sara Gobets

Horoscopes



Observing the closure of January, peeking into February

Ray’s Reviews



Diving deep “Into the Spider-verse”

CAMPUS

The Lutrinae welcomes new faculty advisor

By Jessenya Guerra

Sara Gobets has been officially hired as *The Lutrinae's* new faculty advisor. Gobets has an extensive background in journalism and teaching. She began her education at De Anza community college where she got her associate degree in journalism. She then went on to San Francisco State, where she received her Bachelors of Arts in photojournalism with a minor in anthropology. The following is a mini interview with Gobets to learn more about her and why she came to California State University, Monterey Bay (CSUMB).

In regards to what brought her to CSUMB, Gobets explained, "Well, I saw the opportunity to take on the advisor position, which combines my love of journalism with my love of teaching. I thought it would be a great opportunity to contribute to the next generation of journalists.

"I've had a lot of different jobs in journalism, in a lot of different places. I just moved here from Guam, where I was living and working as a freelance photojournalist and divemaster for the past year. I wanted to come back to this specific area because, being from Santa Cruz and the surrounding area, I acknowledge there's something really special about this place. I'm excited to be a part of this community again and foster responsible journalism to keep it informed.

"I am excited about the fact that [*The Lutrinae*] already has a strong foundation and a good groove going with the current staff. I am

looking forward to helping [*The Lutrinae* staff] take things to the next level, to improve their portfolios and advance towards the careers they want ... people should read *The Lutrinae*, [the students] put in a lot of work into it, and it deserves to be read," Gobets concluded.



Letter from the editor

Welcome back Otters!

Hello! My name is Jessenya Guerra and I am the Editor-in-Chief of *The Lutrinae*, California State University, Monterey Bay's (CSUMB) student-run newspaper. Whether this is your first semester here, or your last, I am here to say welcome or welcome back and thank you for reading *The Lutrinae*! I thoroughly enjoyed my first semester as Editor-in-Chief and can't wait for what this second semester has in store for us.

I wanted to give a special thanks to our faculty advisor Sam Robinson who, because of her new position as humanities and communication department chair, will be leaving us. She has been a remarkable faculty advisor and is an inspiration to me and many other students. I would also like to welcome our new advisor, Sara Gobets. I know that Gobets is excited to be at CSUMB and to teach us all that she can.

I would also like to take this chance to invite any and all students that are interested in joining *The Lutrinae* team. We would love to have our team grow regardless of experience, major or writing level. We are simply looking for students that are dedicated to providing CSUMB, and the CSUMB community, with news and entertainment content.



I am looking forward to the issues that *The Lutrinae* staff and contributors put forth this semester and ask for your continued support. Our team of students works hard every week to put out a newspaper for the CSUMB community and I am so proud to be a part of that team. I wish all of you a successful, safe and sane spring 2019 semester. As always, thank you for reading *The Lutrinae*.

Jessenya Guerra
Editor-in-Chief

the **lutrinae**

lutrinae: (loo' trih-nā') n.
a subfamily classification,
scientific name for the otter.

The Lutrinae is a weekly campus newspaper covering CSUMB and its neighboring areas. Here at *The Lutrinae*, our goal is not only to educate and inform the public, but to entertain, to spark creativity, to encourage diversity of opinion, and to build a sense of community on campus and with the neighboring cities.

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EDITORIAL POLICY

The Lutrinae is a student-run publication produced for the students of CSUMB. Opinions expressed herein do not necessarily reflect the views of *The Lutrinae*, CSUMB administration, faculty, or staff.

The Lutrinae serves two purposes: It is a training ground for students who wish to develop journalism skills and build their resume, and it is a forum for free expression of campus issues and news. *The Lutrinae* Editorial team will determine what to print and reserves the right to edit for libel, space, or clarity.

Advertising revenue supports *The Lutrinae* publication and events. Letter to the Editors should include first and last name and should be submitted via email. *The Lutrinae* reserves the right to reject any Letter to the Editor for any reason, and anonymous letters will not be published.



Spring 19 Academic calendar

February 4

Last day to add/drop classes

February 18

Enrollment census date

March 18

Summer 2019 class schedule published

March 18-22

Spring break

March 22

Fall 2019 class schedule published

April 1

Cesar Chavez Day observed
Campus closed

April 8

Summer 2019 registration begins
for continuing students

April 15

Fall 2019 registration begins for
continuing students

May 10

Last day of instruction

May 13-17

Assessment/final exam period

May 17-18

Commencement

May 20-24

Faculty planning days

May 27

Memorial Day
Campus closed

May 28

Grades due
Last day of spring semester
2018-19 Academic Year Ends

CAMPUS

Otters abroad! *Foreign exchange to Germany*

By Yollette Merritt

Winter break at California State University, Monterey Bay (CSUMB) is over and many students have traveled far and wide around the state, across the country, and around the world. Some have taken advantage of options offered via the CSUMB Education Abroad Office to travel internationally and learn about a new culture and/or study a language and earn academic credit at the same time.

One such student is Blaze Ray, fourth year graduating senior majoring in social & behavioral sciences, with a concentration in sociology and minor in psychology. Despite having a late start at the beginning of the 2018 fall semester looking at study abroad options, Blaze was excited to join five other CSUMB students selected to participate in the 2018 Fulda, Germany winter study program.

The following are some questions asked to Ray at her base in Fulda, Germany midway through her study abroad experience.



Blaze Ray during winter break at the bridge over the Main River, Wuzbach, Germany. Photo by Blaze Ray.

The Lutrinae: Why did you choose to participate in the 2018 Fulda winter program?

Blaze Ray: First, let me say that I didn't believe I could ever afford a study abroad opportunity. Going into my senior and final year at CSUMB, that was the only thing I regretted not doing. At the beginning of the fall semester, I decided to take a closer look at possibilities for the winter break and the only one available was the Fulda Program. I immediately went to an information session where I learned that not only did the short term program allow me to maintain my exact course of study, but stay on track for my planned graduation date.

The program also offered special waivers for a limited number of students that covered tuition costs and accommodations in Germany. I became very interested in the program right away. I had learned a little about German history in primary school and now being able to study in Europe seemed like a perfect opportunity to kick start my goal of learning more and gaining a better intercultural perspective.

What, so far, have been the benefits of studying abroad in Fulda?

An immediate benefit I've received from the Fulda winter program is the quick immersion into a culture completely different from my own. What has been so far an emotional experience has given me the long-term benefits of an expanded education, learning a new language and broader cultural worldview, and the making and building of friendships with individuals from around the world. This fast paced learning program - that I had previously thought would have been impossible for me - has expanded my knowledge of German culture, history and language more than I could have imagined.

Why do you believe a CSUMB student should consider participating in the Fulda, Germany program?

The Fulda, Germany study abroad program is an amazing opportunity for anyone who wishes to travel and gain a fully immersive international eye-opening

experience. The short-term program is not only affordable, but is a great way to start travelling if one has not done so before. It is also great for a well-seasoned traveller interested in learning about and enjoying a new place. Germany - and Fulda in particular - are filled with so much rich history that it would be a shame for anyone not to take this opportunity.

The CSUMB Study Abroad Program is absolutely phenomenal. They have worked with students like me - who otherwise would not have been able to afford a trip like this - to have the experience of a lifetime. I have loved every second that I spent so far in Fulda and in the other towns visited, and have not stopped moving and learning since I arrived. I would recommend this program to anyone who wishes to travel and learn about another culture. All the professors, tutors and program operators have created a most wonderful experience, packed full with field trips, activities and academic knowledge.

Go Zumba!



Monday night Zumba at the Black Box Cabaret. Photo by Yollette Merritt.

By Yollette Merritt

What's a better way to start off the semester than to make a commitment to be active and exercise? On top of that, Zumba can help you to continue and expand horizons, as well as your circle of friends!

Good news. California State University, Monterey Bay's Associated Students continues to offer the perfect option for being active - Zumba!

Free sessions are led by experienced Zumba instructor, Michelle Salvador, with volunteer participants invited on stage to support and demonstrate moves. Zumba is inclusive and open to all - no matter your skill set or level. The atmosphere is friendly and fun, and easy to join in. The sessions takes place at the Black Box Cabaret on Monday evenings at 6 p.m. and last for one hour.

Here are ten reasons to Zumba in 2019:

1. Fun way to burn calories
2. Cardio exercise
3. Easy to follow along
4. Tightens and tones muscles all over the body
5. Stimulates the brain with focused choreography

6. Feels like a party
7. Great activity to share with friends
8. Helps de-stress
9. Can be done by anyone
10. It's free! (with your Otter ID)

And now for a little Zumba history.

Founded in 1991 by Colombian Alberto Perez, the original name coined for the exercise fitness program was "Rumbacize." This word stems from the words "rumba" (to party as well as name of a dance) and "Jazzercise." It was later changed to "Zumba" - which has no special meaning, until now. According to Alberto Perlman, a partner with Perez, in 2015, Zumba was practiced in 186 countries by an estimated 14 million Zumba students.

The key features of Zumba are the energetic dance and aerobic-like movements with choreography from hip-hop, mambo, merengue, salsa, and soca with lunges and squats that are accompanied by upbeat and typically fast-moving music. Depending on the energy exerted, it is estimated that a person can burn up to 600 calories during a typical one-hour session.

Readjusting to campus life after winter break

By Hailey Hill

Whether you're returning to campus after spending some time at home for winter break or moving onto campus for the first time, starting a new semester is an adjustment for everyone at California State University, Monterey Bay (CSUMB).

There are certainly ways to make this adjustment easier. After living back at home for some time, returning to dorm life can seem underwhelming, as you're suddenly back in a much smaller living space with limited comforts of home. This issue can be fixed by making some changes to your room, whether it be new storage, rearranging or simply adding a few new decorations to brighten up the space. If there was any conflict or areas of tension between you and your roommate(s), it's very important to have a conversation and resolve the conflict or tension in a healthy way as soon as possible. Readjusting

to campus life will be much smoother if your "home away from home" is a relaxing, safe place to be.

There are also ways to make having an entirely new schedule easier. If your professor gives a syllabus, read it ahead of time so you may know what to expect from the class later in the semester. New classes are also much more fun if you have friends to work alongside, so be sure to get to know those around you as well as reconnect with those you may know from previous semesters.

If you are completely new to campus, get involved! You'll surely hear this piece of advice many times, but getting involved is the best way to get to know the CSUMB community and to meet people that could become your lifelong friends. There are many events through the CSUMB recreation department to participate in, clubs, and even fraternities and sororities to get involved in to become more connected with the people and campus around you.

Winterlands EDM Concert

By Jessenya Guerra

The second annual Winterlands electronic dance music (EDM) concert will be happening this Friday, Jan 25. From 8 p.m. until midnight, join the Otter Student Union, Associated Students and fellow Otters at the biggest EDM concert of the semester. The Winterlands DJ line up features student DJs such as Stonefish, Krome, Gex Rex and iQ at the Black Box Cabaret.

The event is free to all California State University, Monterey Bay students with their Otter ID. All students are also welcome to bring a non-student plus one.

COLUMNS

Horoscopes

By Kristen Finley

Observing the closure of January, peeking into February

Aries

(Mar. 21 - Apr. 19)

New Year, new you, right? We've all heard it a thousand times, but to you, it feels especially true. The last few months of 2018 challenged the beliefs you had of yourself, and incorporated new guidelines to how you expect to be treated. All good things! When February comes around, however, you will find out how well you will hold people to these new standards. Someone from a chapter long closed will come back and seek reconciliation. Be sure to take your newfound worth and expectations into account before letting them weasel you back into old habits of unconditional forgiveness.

Leo

(July 23 - Aug. 22)

In January, you've done well to squash your pride and keep it out of important conversations between you and your loved ones, and they've noticed the positive change. You've gotten more out of every interaction than you have in the past and you like the results. Try your best not to fall back into what was once comfortable in February, when both your patience and your temper will be tempted to lash out. Before you choose to engage, make sure to first weigh the possible consequences.

Sagittarius

(Nov. 22 - Dec. 21)

This month not only surprised you, but those around you - you've been pretty extreme as of late with how you've reacted to situations that provoke extreme emotions in you. Not just in negative ways, however, but in unusually positive ways as well. January has you feeling like you've been tossed into the air, feverishly grasping for what you feel made you who you are. This isn't something you've experienced in a long time, and it makes you feel panicked. It's alright. Use the month of February to figure out what's really going on, and find a better way of venting the energy. Everyone around you, including yourself, will be thankful you did.

Taurus

(Apr. 20 - May 20)

You've entered 2019 with a full heart. As usual, the holidays left you a little short in the bank account, but it came and went with great interpersonal rewards. The 2018 holiday more special than it did last year, and this is due to your new perspective and value you placed on loved ones. Keep that energy flowing into February, as your devotion will be needed when someone who feels vulnerable and timid gets the courage to finally ask you for help. Just be sure to know how to discern the difference between helping someone and doing it for them.

Virgo

(Aug. 23 - Sept. 22)

You've been speaking a lot more with your actions this month Virgo, and you prefer the passiveness of it to being verbal about your feelings and intentions. While this is usually an effective way to get your message across, it lacks specifics and details. Before you choose to adopt this method for good, make sure you know exactly who you're dealing with and to properly assess whether or not it will be more successful than just outright making your intentions known. More often than not, your actions are perceived as having ulterior motives - which is the exact opposite of what you're going for. Being transparent isn't as scary as you make it out to be.

Capricorn

(Dec. 22 - Jan. 18)

The holidays left you a little more emotional than what you're comfortable with. You found yourself to be a lot more outspoken and your emotions feel a lot easier to provoke. This presents a challenge to your pride, as you used to be proud of how much control you felt you had on your feelings. While it feels as though you're scrambling to regain control of your mind, let it be for a while - you'll find that you're not any more emotional than most people, and that it isn't so bad. Make February the month you allow yourself to feel more of what you used to block off.

Gemini

(May 21 - June 20)

At the start of 2019, you had your nose to the grindstone chasing after a goal that feels better suited to your talents. In December, you rode across the month on the back of a major accomplishment, and that pride and pure joy is spilling into the work you're putting into your next goal. Keep that up, as it'll make you faster and stronger for February - and be ready to reap your hard earned rewards.

Libra

(Sept. 23 - Oct. 22)

With the storm you had brewing in your brain over, the sun is beginning to shine once again. With the new year, you feel renewed and motivated to keep up the positive energy you had towards the end of December. What was once exceedingly overwhelming to you now rolls off of you like water from a duck's back, and you feel so much lighter without so much self-imposed weight on your shoulders. You're learning that the amount of frustration you feel about something is within your control - something you wouldn't have been able to admit just a few months back. February will be the month you truly witness the control you have over how you feel.

Aquarius

(Jan. 19 - Feb. 18)

Once you experienced how easily help came to you once you got the courage to ask, you stepped into a softer demeanor. You've come to the realization that you don't need to put so much effort into making sure people know you're not an emotional or very sentimental person. Although you are. While this is something you're actively struggling with, it's nothing to be ashamed of. This whole month so far, you've been unable to deny your emotional nature and in February, you'll be either pushed back to your emotional hermit ways or convert to conventional emotionality.

Cancer

(June 21 - July 22)

You've managed to find a better way to cope with your many stresses this month, and it's beginning to show. It took a lot of energy allowing yourself to be vulnerable and let go, but you're now able to see the benefits of not keeping it so close to your heart. You are someone who's heavily influenced by emotion, and while most will say that's bad, there are many scenarios where seeing through the eye of emotion reaps better outcomes. In February, that will prove especially true.

Scorpio

(Oct. 23 - Nov. 21)

The transition to a new year has you feeling exhausted, Scorpio. You've been stretched in what feels like a million different ways, as many aspects of your life are demanding your undivided your attention at once. This is making you feel the need to close yourself off from the world again in an attempt to recharge and slowly bloom back into the more social and outspoken person you were just a few months back. While it's perfectly acceptable to withdraw and recharge, make it a habit to communicate that to those close to you. Stay strong for February, Scorpio, as more family drama may push you to the brink.

Pisces

(Feb. 19 - Mar. 20)

This month and last, you've done a lot more for yourself than you felt you've done in a really long time. You pushed yourself past boundaries you once had for yourself, and it's reaping a lot of rewards - which is also spiking up your ego. This can be a good thing for usually timid people such as yourself, but too much can bring you closer to being the kind of person you tend not to like. Make sure you pay close attention as to how much ego you let into your decision making next month.

Word Search

In honor of two members of The Lutrinae celebrating birthdays in the month of January, this week's word search theme is birthdays! Happy birthday to our Assistant Editor-in-Chief, Jenna Ethridge, and Production Manager, Griffin Dehne!

O	O	I	A	C	O	A	A	F	U	S	T	N	E	S	E	R	P	X	U
S	D	O	C	L	O	E	Z	H	Y	U	R	W	H	X	G	R	H	V	M
B	A	L	L	O	O	N	S	E	E	A	M	D	T	P	Y	A	W	I	R
E	Q	Z	K	E	H	Z	V	M	Y	V	D	F	M	U	X	M	T	E	H
J	E	T	K	H	T	P	G	Z	U	M	N	H	O	H	Q	Q	Q	B	W
W	T	S	E	T	A	R	B	E	L	E	C	Z	T	R	L	I	O	J	Y
Z	J	W	I	D	E	V	O	Y	X	U	J	G	S	R	V	Y	H	E	I
Z	K	N	O	R	W	D	W	P	W	L	I	S	D	H	I	B	S	J	Q
G	Q	Y	J	I	P	S	T	S	T	W	R	P	N	B	V	B	R	M	D
J	E	V	K	D	F	R	A	N	H	K	F	G	E	Y	L	I	M	A	F
P	S	Q	W	E	R	R	U	G	Z	Q	R	U	I	W	A	G	E	D	H
E	E	K	A	C	A	V	P	S	Q	F	E	R	R	N	O	G	C	K	X
H	V	A	H	N	M	D	D	B	S	W	D	A	F	F	C	D	S	M	B
N	S	A	T	Y	W	N	M	U	O	A	K	B	C	O	I	Y	O	D	G
J	E	I	Q	F	K	G	K	Z	D	C	H	Y	N	M	Q	Z	B	R	Z
B	M	Y	W	S	I	C	L	B	I	N	N	F	Y	O	L	S	C	A	Z
K	Y	T	O	T	W	G	Z	C	C	V	E	D	B	U	L	T	F	C	O
I	Y	R	A	J	B	B	V	F	M	T	V	H	V	C	W	D	H	Z	G
B	D	A	W	Z	X	W	D	B	T	X	Y	R	P	B	Q	H	E	C	Z
E	A	P	K	J	A	X	P	I	T	C	Y	O	D	Z	F	N	E	R	U

- Age
- Balloons
- Birthday
- Cake
- Card
- Celebrate
- Confetti
- Family
- Friends
- Gift
- Older
- Party
- Presents
- Surprise
- Wish

Sudoku

	9	3		7			4	6
			5					
			3		9			
5				2			3	4
2		7				6	8	
					8		5	
				8	7			
	7		2	6	4			
		8	9	3				

Solved puzzles

7	1	4	5	3	9	8	2	6
9	6	8	4	9	2	7	1	3
5	9	3	7	8	1	4	5	6
2	9	6	3	7	8	1	4	5
1	5	2	8	6	7	9	3	4
9	8	6	3	5	4	7	2	1
8	9	6	3	5	4	7	2	1
4	7	3	4	9	1	2	8	5
8	4	2	5	1	6	9	7	3
1	9	3	8	7	2	5	4	6

COLUMNS

Motor oil, winter weight and what does it all mean?

Car-ticle

By Kristen Finley

Motor oil, the ‘blood’ that keeps your engine lubricated and protects it from wear, still holds the crown as one of the most important, but undervalued (and unappreciated) aspects of a running car. After decades of evolution behind the modern engine, that’s one thing that’s never changed - the need for oil. However, a stark difference from then to now is the sheer variety of oil types, weights and capabilities. For the next trip to the store to buy oil, here’s some important information to consider.

Oil viscosity/winter weight disclaimer:

The actual scientific significance for the ‘W’ is to distinguish the winter viscosity from general viscosity. To make this article suitable for those who are more familiar with classical terminology, I’ll include ‘weight.’

Often times, oil viscosity and winter weights are the first things anyone notices when buying oil. Oil weights and viscosity ratings are always linked to what sort of driving and climate the car is anticipated to operate in by the manufacturer. Normal driving, such as commuting, calls for a more moderate weight of oil. In a warmer climate, there isn’t a need for a lower winter weight and a higher oil weight is permitted to prevent break down from higher outside temperatures. In a colder environment, it would call for a lower winter weight to preserve thickness.

For the sake of explanation, 5W-30 translates to ‘5 winter,’ simply meaning that in temperatures as cold as 5 degrees or below, the oil will have the viscosity of an oil that’s rated as a 5W oil. The 30 at the end explains the viscosity of the oil when the ambient temperature is most advantageous (not too hot, not too cold). Why is that important? Well, in temperatures that low, a 30W oil would be too thick and the engine would not be able to crank over. And if cranking the engine were possible, the engine wouldn’t be properly lubricated - which can cause major damage. This is where the 5W comes in

handy: it’s thin enough to allow the parts to move upon start up, but thick enough to lubricate them until the engine reaches optimal operating temperature (around 210 degrees).

In this scenario, if a person were to only use 5W oil, it would be preferred for start up, but too thin to lubricate the engine once it’s warm; the oil would have the relative thickness of water, which would also cause damage. To solve this dilemma, the oil is designed to reestablish it’s 30W viscosity once the engine is fully warmed up. This is achieved by the inclusion of unique but very important additives that allow the oil to change viscosity depending on the internal temperature.

5W-30 is a very common and well rounded weight as it’s suitable for most engine sizes, environments and driving styles - but if that’s the case, why are there so many different weights? Motorcycles take a thicker oil weight because they’re smaller engines that operate at higher revolutions per minute (rpm), so it calls for a thicker weight (such as 20W-40/50 or 10W-40/50) that can stand higher temperatures without breaking down. A diesel engine, depending on the average ambient temperature, is typically 15W-40 for warmer environments or 10W-30 for lower temperatures.

It’s important to note that the oil used in motorcycles and diesel engines are very chemically different than the oil used in traditional internal combustion engines - so it’s important to make sure it’s clearly labeled for the correct engine type before purchasing. Mixing different oils types in different engines can be catastrophic.

For the rest of this car-ticle regarding conventional vs. synthetic oils, please visit thelutrinae.com.



Upcoming concerts

Music Maven

By Jenna Ethridge

If you’re looking for somewhere to take that special someone on Valentine’s Day, several concerts will be taking place throughout the Bay Area in February that will be sure to set the mood and impress your date!

Real Estate has a three-night residency at The Chapel in San Francisco from Jan. 31 to Feb. 2, where they will be selling their Reality Estates wine, made in collaboration with Echo Echo. A portion of ticket sales and 100 percent of the wine sales will directly benefit Northern California Fire Relief, in light of last year’s Camp Fire.

Sugar Candy Mountain will be performing at The Ritz in San Jose on Feb. 2. Their most recent album, “Do Right,” was released on May 4 of last year. Hunny will be performing with Hockey Dad in Santa Cruz at The Catalyst on Feb. 11. The band’s third EP, “Windows II,” was released on July 6, 2018.

On Feb. 12, The Chapel in San Francisco will be hosting Vundabar, who will also be performing on Valentine’s Day at The Catalyst in Santa Cruz. On Feb. 13, Post Animal and Ron Gallo will be at The Catalyst in Santa Cruz. Gregory Alan Isakov will be performing at The Fillmore in San Francisco on Feb. 14.

Hot Flash Heat Wave will also be spending Valentine’s Day in San Francisco at The Independent. The San Francisco natives will also be at The Catalyst in Santa Cruz on Feb. 19 with Vacations and Lunar Vacation. BRONCHO will be performing at Slim’s in San Francisco on Feb. 15. Their most recent album, “Bad Behavior,” was released on Oct. 12, 2018.

TV Girl will be performing in Berkeley at The Cornerstone on Feb. 22 and in Santa Cruz at The Catalyst with George Clanton on Feb. 22. Their latest album, “Death of a Party Girl,” was released on May 8, 2018. The Catalyst in Santa Cruz will also be hosting Bad Suns on Feb. 26.

Tickets for all of the shows mentioned are available on Ticketmaster, Stubhub and the artists’ websites.

Into the Spider-verse

Ray’s Reviews

By Ray Kaiser
4.8/5



Although there are still a couple of films I haven’t seen from last year - that I’m planning to see at the very least - and while most of the stuff I saw this year was pretty good, Into the Spider-verse was one of the two films that I would say were genuinely and completely outstanding. Spider-verse is an absolute masterclass of filmmaking. In fact, I expect this review to be one of the shorter ones simply because all I really have to do is sing this film’s praises. Everything from the visuals and performances, to the soundtrack and sound design, was so absolutely spot on. I have no trouble pinning it as my top animated film of, at the very least, the past five years.

Into the Spider-verse has a concept that sounds worrying for a standalone story. It takes the fantastic Earth-161 Spiderman comics story featuring Miles Morales as a young Spiderman alongside the more familiar Peter Parker Spiderman and mashes it together with several other alternate universes filled with alternate web slingers. My immediate inclination when hearing this story’s premise is to expect it to be a bit janky and particularly hard to follow without some pre-existing knowledge of these comic stories, but Spider-verse managed to rise high above my expectations.

The film manages to introduce characters and the general premise of the story quickly and very smoothly, making it not only an extremely well-written film, but also a surprisingly good point of entry for the Spiderman mythos as a whole. It also serves as a great example for high, impactful stakes not being tied to the realism of a film. A lot of the time, the more realistic a film is, the more serious it is perceived. While I wouldn’t say Spider-verse is a very serious film, it does have some serious high stakes and a lot of hard emotional beats that are not affected negatively by the colorful, unrealistic setting. I think a lot of other films in the comic book genre could benefit from paying attention to that element of Spider-verse’s writing.

Something an artist friend of mine has said many times about this film is that it

“understands the appeal of color.” The visual style of this film is so bold and brash and unlike any other animated film I’ve ever seen. A mixture of true blacks, striking colour choices and something cell-shading-adjacent, as well as some more traditional comic book art influences, have resulted in such a wonderful artstyle that Sony is threatening to copyright it. Despite the fact that copyrighting something like that is a horrible idea and Sony better not, it definitely speaks to just how fantastic the animation and art design is in this film. The choppy, low frame-rate action sequences and Ben Day dot-covered accents of this film make it ooze “comic book” like no other superhero film I’ve seen, as well as making it just generally wonderful to look at.

While certainly the less stunning of the two, the audio side of things doesn’t disappoint either. All of the performances are great, and specifically everytime Noir Spiderman opened his mouth, hearing Nicolas Cage’s voice killed me. The

sound design is crisp and weirdly enough, the highest praise I can give it is that it never stood out to me. Meaning, it did its job perfectly, never standing out as weird or out of place. The soundtrack is also outstanding. Almost every song off of it has ended up in one of my day-to-day playlists, and honestly is just a really good album on its own. While music is not really my wheelhouse, y’all gotta at the very least check that Aminé feature.

This is maybe the best animated film I’ve ever seen. That means it deftly swings past a lot of the rose-tinting of animated films from my childhood and stands as this incredibly bold outlier in a Disney and Illumination-dominated world of generally homogenized animation. My metaphorical hat is off to the cast and crew of this film, and I can wholeheartedly recommend this to anybody who is even the smallest amount of comic book-inclined, or even just anyone who likes a story.



<http://www.intothespiderverse.movie/>

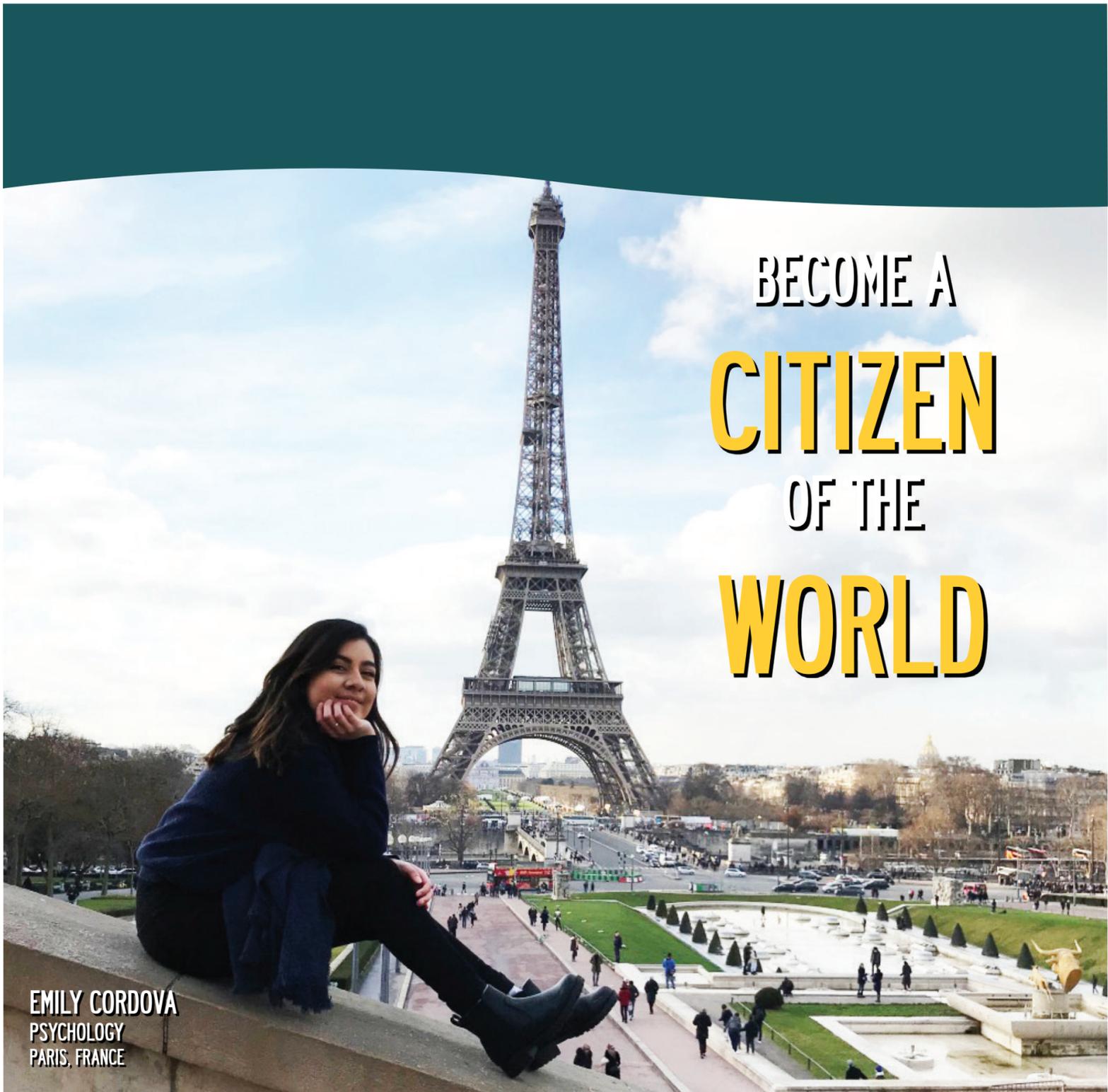
TrueBlue Seafood sourcing and sustainability

By Josh Bowman

Hello everybody, I am an undergraduate student here at California State University, Monterey Bay (CSUMB) majoring in environmental studies. Throughout this spring semester I will be going on a journey to learn about seafood sourcing and what that means for both our personal health and the health of the environment. More specifically I will be focused on the commercial fisheries and aquaculture right here in Monterey Bay. I hope to learn more about the details of how seafood from the ocean, or farm, ends up on our plates at restaurants, fish markets, and grocery stores. I want to share what I learn with all of you at CSUMB.

CSUMB has a reputation for attracting people who find passion and sanctuary in the mix of the ocean landscape and maritime fog. Today, humans are learning how to better coexist with the environment and maintain its natural integrity, especially at CSUMB. Seafood sourcing is a big part of how we interact with this ecosystem. We need to make sure our choices are good for our own health as well the health of the environment. We have arrived at a time where new information on climate change has highlighted the importance of doing everything we can to make choices that are as sustainable as possible and our diets are a large part of that.

I grew up the son of an avid fisherman and was raised a diver and spearfisher. Seafood was synonymous with meals in my household and still is part of my family’s identity and culture, just as it is for many other families that live near a working waterfront. There is a use and need for seafood for the future, but out of cultivated respect for the ocean and everything that it provides us, we owe it to natural world to ensure that process is done responsibly. How to source seafood responsibly is what I want to bring to table when it comes time to eat.



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