



COASTAL FUND MINUTES

Associated Students

Tuesday, 02/04/2020, Nati Conference Room

CALL TO ORDER: 6:02 minutes recorded by Carissa

A. ATTENDANCE

Name	Note: absent (excused/not excused) arrived late (time) departed early (time)	Name	Note: absent (excused/not excused) arrived late (time) departed early (time)
Jeremy Francoeur Chair	present	Anushna Patel Outreach Coordinator	present
Mike Martin Co-Chair	present	Katherine Fukada Outreach Coordinator	present
Jackie Rigley Undergraduate Rep	present	Sarah Siedschlag Advisor	present
Karen Thornton Undergraduate Rep	present	Carissa Stewart Administrative Assist	present
Ethan Estrada Undergraduate Rep	Absent excused	Kevin Sway Senate Liaison	absent
Phoebe Racine Graduate Student Rep	present	Emma Swanson Senate Liaison	present
Laura Ingulsrud Graduate Student Rep	present		

B. COMMITTEE BUSINESS

1. Approval of Attendance and Proxies

MOTION/SECOND: Jeremy/Mike

Motion language: Motion to approve attendance and proxies.

ACTION: Consent

Additional approval required: YES (Senate)

2. Approval of Minutes

MOTION/SECOND: Jeremy/Laura

Motion language: Motion to approve minutes from last week

ACTION: Consent

Additional approval required: YES (Senate)

C. PUBLIC FORUM

(Announcements, appreciations, concerns, requests to have items added to agenda)

- UCSB is moving ahead with cost of living adjustment demands
- at UCSC grades got held back for fall and winter quarters so they started taking action
- Jeremy's long board was stolen but he found it in the possession of someone who stole it, he got it back

D. REPORTS

1. Advisor Report: Siedschlag

- i. no report

2. Chair Report: Francoeur

- i. tried to go to the Chairs meeting, actually the week before

3. Vice Chair Report: Martin

- i. no report

4. Senate Report: Sway and Swanson

- i. budget hearing is Friday

5. Administrative Report: Stewart

- i. ecology report submitted, under WIN 20-01

6. Coastal Service Program Report: Stewart

- i. Conflict resolved

7. Outreach and Education Report: Patel and Fukada

- i. california blue doris
- ii. launching photo contest soon
 - 1. submitting photos

8. Sub-Committee Reports

- i. NRS scholarships
 - 1. Met with Karen last week, didn't realize that they have more stuff they need to do then they thought
 - a. add link to website, create financial guidelines
 - b. retreat at one of the reserves
 - c. hopefully they will be able to release by next quarter
- ii. Long-term Funding/ Pre-Screening Application
 - 1. met last week
 - a. put pre-screening on the backburner

- b. kate and Mike made long-term funding application last quarter
- c. board members please add questions and comments on the app

E. AGENDA

Approval of Agenda/Additions to Agenda

1.

MOTION/SECOND: motion to approve agenda and additions to agenda

Motion language: Jeremy/ Laura

ACTION: consent

Additional approval required: YES (Senate)

F. OLD BUSINESS

G. NEW BUSINESS

FALL 18-12 Extension Request: Surveys of the Leopard Shark aggregation of Coal Oil Point

MOTION/SECOND: Jeremy/ Laura

Motion language: Motion to approve FALL 18-12 Extension Request until March 31st, 2020

ACTION: Consent

Additional approval required: YES (Senate)

- Kate recuses herself
- extended to the point to right before new funding comes in hypothetically

WIN 19-08 Extension Request: Rethink the Drink

MOTION/SECOND: Jeremy/ Mike

Motion language: Motion to approve WIN 19-08 Extension Request until March 31, 2020

ACTION: Consent

Additional approval required: YES (Senate)

SPR 19-16 Reallocation Request: Adopt-A-Block

MOTION/SECOND: Jeremy/ Karen

Motion language: Motion to approve reallocation request for SPR 19-16

ACTION: Consent

Additional approval required: YES (Senate)

H. DISCUSSION

I. PROJECT REVIEW

Project Title: WIN 20-13 : Wildlife Rehabilitation and Outreach
Sponsoring Organization: Santa Barbara Wildlife Care Network

Presenter Name: Claire Gairvas and Ariana Katovich

Summary: Wildlife Care is a critical component of protecting the quality of our region's coastline. Funding secured in this program will support critical staff needed to provide care to over 4,000 animals a year and student internships to advance program effectiveness, outreach, and education.

Pre meeting questions and notes

- Asking for a lot of money
- There are more animals coming in, but it's still a lot to give to one project
- Seems like outreach interns in the past were effective
- Grew social media over 100%
- Asking for a lot of money on outreach materials
- Doesn't make sense for us to fund that much in supplies
- Part of argument they made last year was that a majority of the animals are coming from around here
- Would want to provide funding, but not to this extent
- What are the main differences between last year's internships and this years?
- How much more money did you get in donation because of outreach?
- Might mention to them that they want to put up a sign near coal oil point, but channel keepers was stolen from there

Presentation Notes:

- UCSB 2018 grad
- Implemented a program that allows people to follow up on their patients
- 21% more rescued animals than previously
- Communication got better so they made a big difference
- Run ads through kcsb
- Have slides on the digiknows
- Put survey on ucsb free/for sale
- got transporters from ucsb
- Has been in the Nexus twice
- Over 3,000 animals coming in
- Would like to get some animal care interns because they hired a vet so interns would be able to work under wild life vet
- Interns have been important in getting funds
- Need to make sure that awareness is still up for a very transitory community
- Want to get more involved at UCSB
- Need an intern that speaks Spanish

Board Questions:

- What's the main difference between this year and last year
 - Communication is ongoing, iv signs are not enough
 - Huge world out there and iv is surrounded by animals

- Chance for a wonderful experience
- What is the mission of the care network
 - They are allowed to care care of every wild species except seals, otters, boars, bears, etc.
 - Mission is to not turn down any animal, has never said no, even to invasive species
 - 4009 animals is a lot but their are man more animals so they will always try
- Why can't you take otters
 - No pools for otters
 - Permit doesn't include marine animals
- If we are not able to fund everything, what would you choose
 - Both extremely important to organization
 - So need both
- Are the seasonal staff positions non-student?
 - Yes they are non students, they ask for 35 hours a week which is only through march-august
 - Interns are year round
 - 4 communications interns and one volunteer coordinator
- How much time does the staff spend with interns
 - Almost always,
 - They would work with assistant care staff
- Can you talk about outreach materials
 - When rescuers bring in animals they get stickers and magnets
 - They want to extend that to dispersing it through iv housing
- Will interns always be ucsb students
 - Yes, 3 of them per quarter

Are having an open house on February 22nd and if board wants to come out

Board Discussion:

- Thought it was good, but we will have to make cuts because its so much money
- We can fund some of the interns and some of the care interns
- Not too much of a change except they want interns from ucsb
- Cool that they work so closely with vets
- Will have to cut the most of the seasonal care assistants

MOTION/SECOND: Jeremy/ Laura

Motion language: Motion to Table discussion on WIN 20-13

ACTION: Consent

Additional approval required: YES (Senate)

Project Title: WIN 20-08 : Fate of Pharmaceuticals and Personal Care Products in Wastewater Treatment Plants

Sponsoring Organization: UCSB Bren School
Presenter Name: Violaine Desgens-Martin

Summary:

Pharmaceuticals and personal care products (PPCPs) are micropollutants categorized as emerging contaminants (ECs). Their effects on aquatic organisms, their bioaccumulation and their potential for ecotoxicity have been studied to some extent (de Solla et al., 2016; Kavaliers, M., 1981; Meador et al., 2017; Sanderson et al., 2003; Yeh et al., 2017). PPCPs end up in the environment via pathways such as leaching from household trash, aquaculture, agricultural runoff, wastewater treatment plant (WWTP) effluent and hospital wastewater (Gaw et al., 2014; Mendoza et al., 2015). Currently, PPCPs are not regulated in WWTP discharge, which may become problematic if they accumulate in surrounding waters at levels that may affect the local aquatic organisms. The purpose of this study is to determine at what level PPCPs are present in three Southern California WWTPs, including two coastal plants within SB county, whether this changes seasonally, and whether demographics correlate with PPCP inputs.

Presentation Notes:

- Phoebe recuses herself
- Were minor adjustments from last time
- Interested in pharmaceuticals
- Wastewater treatment plant are working with her
- Two of them are local, one is within santa barbara county
- All of them have discharges and they all go into the ocean
- No regulations on pharmaceuticals in the discharge
- Started off with one kind of pharmaceuticals and found high levels in the ocean and lakes etc
- There was a study that showed that one kind of compound damaged fish ecology
- Developed a method with an undergrad, got materials,
- Want to get more materials, and hire that undergrad
- Its been studied before but not here
- 8 of the compounds were approved by the FDA
- She wants to see if new compound can be found in the ocean since it just came out
- If they behave differently, does it mean something
- Originally she wanted to look at mussels, but she scratched that
- There's more literature coming out of PPCP's at dangerous levels
- Can use the software that someone else used
- Felt their was a component missing with storage and handling
- Nothing in literature that found whether testing right away made a difference or not, so she is going to see about that
- Is their seasonal changes that would affect that
- She is collecting raw sewage and looking at concentration of that

Board Questions:

- Doing what is called a mass balance, in treatment plants there is more than one treatment
- She wants to see if the majority of compounds get removed and where during the process is the majority of the removal occurring
- What happens when you test
 - Use standards, uses an instrument for chromatography and interaction with compound
 - Compounds interact in a specific fashion and it has a very specific signature
 - Tell the instrument that if it finds that signature, able to say this compound came back with this ion
 - Able to extract what kind of compound it is
 - Tells you what is in the specific compound
- Can you describe what the underground researcher does
 - He works 5-10 hours a week
 - Sometimes work closely
 - Important for when she does extractions, he helps with extractions
 - Helps speed up process
 - Shown him out to create calibration standards and can do it on his own
 - He was there when she did training, helps load samples
 - He helps with evaporation
 - Can pretty much do everything on his own
 - Working together for almost 8 months now
- What is the end goal for your study?
 - She wants to find out if this compound is problematic
 - Even though plants were not made to clean these ppcs, they clean them well
 - But looking at specific chemicals, she wants to see if there is levels that are harmful;
 - She wants to get back to the treatment plant and let them know if there's a problem
 - Can mitigate problems
 - At regulatory level, if she finds an issue at all three plants, then she will take it up to a higher level to ask about regulation
- Where does that stipend come from
 - It really helped her have time to get things done
 - It came from TA salary
- Will you be cross referencing with epa the compounds
 - Not the plan yet, want to get concentration first and balance,
 - Zoomed into a couple of specific compounds, but she has 48 compounds
 - She will be comparing the notable ones, or the banned ones
 - Not projected to do that right now but do want to look at that
- How did you determine those compounds
 - Started with one,
 - All people use the same method which added 33
 - Cme up with 8 novel compounds to see the most prescribed in 2016
 - Her and someone else developed a method for the 7 others
- Do you foresee co authoring a paper with the intern
 - Yes, he will be part of it

- Is there any other opportunities he can get involved in as far as presenting
 - So far no, but in the future, there is no reason for him not to be on there
- How willing are the treatment plants to work with you
 - They don't want the public to know because people overreact
 - They are willing, no issue, great relationship, they are not regulating
 - They are not opposed to changing the way they clean the water if there is an issue

Board Discussion:

- Seems really into it
- Cut out the part about testing muscles which is good
- Works with intern which is good
- Definitely seems like she knows what she is doing including with intern
- Seems like project has grown and developed in the last couple of years
- Awesome that intern would help with paper
- Would love to see the intern work more with presenting
- Seems like she is very on top of it
- Answered questions pretty well
- Opens the door to a whole bunch of research

MOTION/SECOND: Jeremy/ Karen

Motion language: Motion to table discussion on winter 20-08

ACTION: Consent

Additional approval required: YES (Senate)

Project Title: WIN 20-09 : Watershed Resource Center Internship Program

Sponsoring Organization: Explore Ecology

Presenter Name: Lindsay Johnson

Summary:

Explore Ecology (EE) requests \$8,000 for support of an Internship program to help administer the annual Coastal Cleanup Day event and management of the Watershed Resource Center. Interns will assist Explore Ecology staff in administering the Santa Barbara County Coastal Cleanup Day Event and Creek Week activities. Two intern positions will serve as liaisons to help collaborate on events with the broader UCSB community and provide expanded watershed education programming to raise public awareness about Santa Barbara's dynamic watersheds and unique coastal habitat. The interns will help educate the UCSB community about our local watershed health and the importance of pollution prevention while encouraging individuals to reduce the use of single use plastic. The funding request includes an hourly wage for two interns, marketing materials, and partial funding for the Explore Ecology WRC Manager to oversee the projects.

Presentation Notes:

- Environmental and art education
- Work with kids to become next generation of environmental stewards

- Have government contracts to do outreach on their behalf
- Representing 7 different government agencies, teaching in classes, and taking them on field trips
- Also run art from scrap
- Basic reuse store, will take trash and rebrand them for art
- Kids learn about waste reduction and then make an art project
- Also run school garden program
- Have 36 garden programs
- Staff works with the schools
- Go to gardening class at schools
- Take environmental message and spread it
- Give students hands on experience
- Watershed research center intern asking for 2 student interns, will also fund marketing and some of her staff time
- First goal is to have a better relationship with ucsb, develop with community groups that they host at WRC
- Helps ucsb groups host meetings
- Ucsb center coastal clean up event here in ucsb
- Wrc manager helps but would like interns to help
- Have 28 beach locations that they work with
- Would like to have ucsb coastal clean up day
- Assign beach captain for each site
- Get volunteers and send them to beaches
- Want to increase community use of the building itself
- Interns would create hands on activities
- 2nd sunday of every month there is a beach clean up
- And would love to have people come up to the building
- Great opportunity for interns to engage with outreach
- Having more accurate data at what is the biggest source of pollution
- Ucsb students are good at coming up ideas for public education
- Maintaining building also need funding for
- Good opportunity to revitalize program

Board Questions:

- What is the most prevalent trash found
 - Styrofoam
- With the studies analyzing the data, will you compare the trash found at different sites
 - Have fulfilled education requirements and collected data at different schools and parks and streets
 - Encourage people to use clean swells app, which is a cool way to share data
- How many years do you have of data
 - Report the data to california coastal commission
 - International day
 - Tiny nonprofit that has most records on paper
 - Oldest data is 2013
- For interns, are they going to be involved in lesson planning

- Designing outreach is the biggest opportunity
- Can ask for help for earth day
- Have summer camps and interns can lead that
- Work with who they have and their talents and interests
- Creek week, can use wrc a lot more for that week
- Coastal cleanup day is usually on move in weekend, so its hard to do
 - If they could get general support from whos here
 - Have gotten grants form NOAH
 - Have worked with student farms
 - Represent isla vista schools
 - Is a challenge
- Is the wrc open other sundays, or days, or only that second sunday
 - They have always had that 2nd sunday
 - Field Trips in the morning
 - Organizations can meet at the building for meetings
 - Staff teach all week long, if they had interns, they could keep building open
- Does art for scrap exist in other cities
 - Yes
- What is an average day?
 - Go to wrc in the morning, do field trips there where children learn about debris
 - Develop hands on activities with them
 - Goal with intern is to help with data and outreach
 - Can teach students about current events
 - Some requirements but can say things interesting to children
 - Interns can also research for new ideas
 - Can share lesson plan with intern and an extra adult helps
 - Kids think college kids are cool
- you could do the art scrap activity at the end of the year
 - Do have quilts with trash quilted into it
 - If they had more of that, that would be great

Board Discussion:

- Thought it clarified questions
- Outline good amount of responsibilities while still giving freedom
- Surprised they don't already have ucsb interns
- Sounds like they get a number of public grants
- About instilling a stewardship in children
- Cool project
- In support

MOTION/SECOND: Jeremy/ Laura

Motion language: Motion to table discussion on WIN 20-09

ACTION: Consent

Additional approval required: YES (Senate)

ADJOURNMENT AT (time)

MOTION/SECOND: Jeremy/ Karen

Motion language: Motion to adjourn meeting at 8:45 PM

ACTION: Consent

Additional approval required: NO