## ASsquare_logo.tif Coastal Fund Agenda

## Associated Students

Tuesday, 4/30/2019, Nati Conference Room

**CALL TO ORDER** 6:03 PM by Lauren, minutes recorded by Emily and Rebecca

1. **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) |
| **Lauren Enright**  **Chair** | **Present** | **Jem Unger Hicks**  **Outreach Coordinator** | **Present** |
| **Jeremy Francoeur**  **Vice-Chair** | **Present** | **An Nguyen**  **Outreach Coordinator** | **Present** |
| **Kate Mcleod**  **Undergraduate Rep** | **Present** | **Sarah Siedschlag**  **Advisor** | **Present** |
| **Cyrus Kayhan**  **Undergraduate Rep** | **Present** | **Rebecca Nishide**  **Administrative Assist** | **Present** |
| **Juliette Verstaen**  **Graduate Student Rep** | **Present** | **Emily Orr**  **Administrative Assist** | **Present** |
| **Alana Ayasse**  **Graduate Student Rep** | **Present** | **Alex Funk**  **Senate Liaison** |  |
|  |  | **Alli Adam**  **Senate Liaison** |  |

1. **COMMITTEE BUSINESS**
2. **Approval of Attendance and Proxies**

*MOTION/SECOND: Lauren/Juliette*

*Motion language: Motion to approve attendance*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **Approval of Minutes**

*MOTION/SECOND: Lauren/Jeremy*

*Motion language: Motion to approve minutes*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **PUBLIC FORUM**

* FALL 18-17 website: <https://www.sbcosap.org/>
* dead ladybugs?
* earth day went well!

1. **REPORTS**
   1. **Advisor Report: Siedschlag**

* Puente powerplant for oxnard got permanently delayed a year ago; last week they decided to increase battery capacity so they can possibly rely more on renewable energy
  1. **Chair Report: Enright**
* subcommittee for new board members
  + Lauren, Sarah, Jeremy, Kate can fill in
* app deadline May 15th, interviews May 20th-31st
  + big meeting on 17th to figure out who to interview
  + Juliette, Alana
  + Jeremy
  1. **Senate Report: Funk & Adam**

**N/A**

* 1. **Administrative Report: Nishide**
* No Report
  1. **Coastal Service Program Report: Orr**
* Nothing to report
  1. **Outreach and Education Report: Unger Hicks & Nguyen**
* Another co-sponsorship from Surfrider
* Gala things
* TGIF
* Lots of people want to present at the Gala
  + 14 people committed, mix of types of displays, 2 films
  1. **Sub-Committee Reports**
* Nothing to report, but this Thursday at 10 AM

1. **AGENDA**
2. **Approval of Agenda/Additions to Agenda**

*MOTION/SECOND: Lauren/Juliette*

*Motion language: Motion to approve agenda and additions to agenda*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **OLD BUSINESS**
2. **Surfrider Concert for the Coast**

* Asking $2460
  + asking for $15000 in total
* gave more information, something about buddha bowls (only restaurant where people compost)
* raffle prizes from environmental companies
* will be people tabling
* funds will be tagged for preservation of gaviota coast
* “Benefits transcend financial outcome”, community, education
* extra money could be because they weren’t able to get program board’s help, have to pay for external supplier for tech
* confused about backline fees, three $1600 chunks
  + looks like total is $2600 and CAB funded $1000 and they asked for the remaining $1600 from 2 sources
  + not sure, $4200 would also be reasonable for this kind of thing
* are listing us as a sponsor on facebook already!
* Lauren: they did address our concerns, inclined to fund at least tech fees
* Alana: wants to make sure the concert happens, seems like they are ~$2000 short of what they need, but not sure this is a good reason
  + rollover
* we should give them a lump sum that matches their original request that they can use for specified line items
* since they justified the original, we could fund what they originally asked for
  + new total is not a reasonable amount for us to fund

*MOTION/SECOND: Alana/Lauren*

*Motion language: Motion to approve $715 IV Surfrider’s Concert for the Coast for backline and sound fees and/or tee shirts and/or food for volunteers and/or table and chair rentals.*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **NEW BUSINESS**
2. **(item)**

*MOTION/SECOND: (name)/(name)*

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **DISCUSSION**
   1. TGIF Ticket Discussion

* May 10th, 4 tickets at EDC 5:15 PM
* Who gets the four tickets, and who is speaking?
  + Jem volunteered to speak
  + Rebecca, Cyrus Kate, An, Katherine, Anushna, Jem
    - will split the cost of extra tickets
  + $15/ticket, Alana, Juliette, Sarah are willing to buy their own tickets
  1. June 30th Dive Fee Support Application Deadline

1. **PROJECT REVIEW**

Project Title: SPR 19-10 Fostering a Lifelong Fascination with Nature

Sponsoring Organization: NatureTrack

Presenter Name: Sue Eisaguirre

Summary:

Presentation Notes:

* Alana: these are the lines different from last year: “NatureTrack is an ALL VOLUNTEER organization, with no paid employees.” “As of today we have raised $106,514 of NatureTrack’s $122,000 annual budget, and expect to receive the remaining $15,486 well before the end of our fiscal year on June 30.” “Currently NatureTrack has 135 UCSB student volunteers on the list and we welcome more UCSB students to join us. Volunteering” the “how has this changed from last year” section was also edited. I generally support.
* Cyrus: I like the project’s goals of connecting kids to nature, and fostering a sense of stewardship for the coastline.
  + I am interested in more specifics about the curriculum taught on the field trips.
  + If cuts are needed, funding only the UCSB student interns seems like a good call.
* Kate: could the adult find funding elsewhere?
* Juliette: I’ve been on one of their field trips, they are pretty fun. They also have so many volunteers that are into it, and each volunteer is different so the experience is different after, they chat about what went right/wrong after and how they dealt with issues with the students. They also seem to be fostering good relationships with the locations they go to
  + What’s on the survey?
  + Super cool program and do a lot with so little funding

Pre-presentation discussion notes

* Almost identical
* Juliette went on field trip - really great
  + Students learn about stuff beforehand and then they talk about it there

Board Questions:

* Brought pamphlets, stickers, etc
* Put on film festival, third one this year, hope it will become a full funding source
  + International films
* Outdoor field trips for all sb school age students
  + Teachers reserve on website, first come first serve
  + Filled up in two weeks this year, took months last year
* Rain is issue
* Anton helps streamline reservation system, good streamlined system
* Went out for funding to secure a second vehicle (secured), boosted volunteer base
  + This month they will be expanding
* Students are integral to program
  + Volunteers can be unreliable, the dedicated ones stick with it
* 600 students first year
* This year, 4400 students without cancellations and without duplicated students
* Experience for UCSB students is good; environmental and outdoor education, sciences
  + Good experience for future employers, graduate school
  + Happy to have undergrads
  + Previous director of career services
* Kids like the beach trips
* Adding new reserve
* Volunteering gives opportunity to go places that are not open to the public
* Now going to 18 - 19 locations for students to see what they county looks like
* Students can go through all docent classes, bring in speakers like John Young, John (?),
* Students journal
* Easy for college students to carpool
  + College volunteers, docents

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Alana/Juliet*

*Motion language: Motion to table spring 19-10*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: SPR 19-08 Kids in Nature Peer -to Peer Environmental Education Program

Sponsoring Organization: CCBER

Presenter Name: Janet Myers

Summary:

Presentation Notes:

* Andy Lanes - CCBER, and Esther, Kids in Nature undergrad intern came to present
* Coastal fund has been supporting for 10 years
* EEMB 189 or ENVS 191 course - Nature and Science Education Practicum
* Teach and train UCSB students to become outdoor educators
  + Through a practicum?
* Implementing education to fifth graders
* Quarter long program for UCSB students, but year long for the kids
  + Strive for continuity of mentorship
  + Year long program for fifth graders
* Ask for internships and staffs, etc
* Big changes coming up
  + Not sure on details yet
  + Class will expand next year, usually its only been 10-12
  + Trying to get it through education class, going to up students to 30-40, hopefully recruiting more interns
* Develop all their own education material and curriculum based on local environment
* Scientific method, flowers, algae, tracking, ect fifth grade level
* Mutually beneficial for students and UCSB kids
* Brought in testimonies from students
* One invited him to LMU graduation
* He was an intern as a student ten years ago
* One of them is an elementary school teacher now
* Brought an intern because the money is for interns
* Esters take
  + Really humbling, second quarter
  + Having conversations with kids, get them interested
  + They see us as students to look up to
  + Help them start relationship with environment and act as mentors
* Kids live downtown eastside who have never been to the beach?!
* Esther: the kids are super awesome to work with, you make an impact on them

Board Questions:

* Can you talk about the difference between docents and interns?
  + Students in the class = docents
  + Interns have taken the class at least one quarter
  + Class = credit, not in class = stipend
  + Stipend for continuity, class not offered spring quarter
* Some students hourly, some are $375/quarter
  + Not completely sure about logistics of program, so the 10 would be stipend intern
  + 15 would be student worker positions
  + class> intern> student worker
  + Similar to restoration process
* What is most important for success of program?
  + He did not write this, jan did
  + Jan can email us if he doesn’t know off the top of his head
    - Also thought it was a lot to ask for
  + Will take what they can get
  + Can’t run without him, jan, and small number of interns
  + Seeking funding from many sources, run year to year every year, no endowments
  + UCSB doesn’t pay for them, constantly seeking payments
* Transportation line items? How does it figure?
  + Field trips/classroom visits; usually two 12 passenger vans to take UCSB students
  + Trips around ucsb are cheaper because students can meet, no van needed
  + Ask funding for bus money for 5th graders
  + Work with IV Elementary because it’s super close and cheap in terms of transportation
  + Students are all under-represented students, half are ELL
* Where are you expanding to?
  + KIN^2, procured funding from other sources but will continue to seek funding from us as well
  + Last year reached 750 5th graders from over 10 schools, not including other groups
  + Side project
  + Hoping to give interns more responsibility to expand program
  + Kids see that UCSB and students aren’t scary
* Is there a cost for the schools to participate?
  + no , if the schools do have money they pay for journals and some classroom supplies but they bring in everything
* How do you choose what schools?
  + They have chosen us
  + Target underrepresented
  + Franklin principal thought kids were getting too many field trips?
  + IV elementary were first to do it
* Are you worried that bureaucracy will get in the way?
  + Nope everyone on board right now loves it
  + Something about mentors in middle school for fifth graders
* Do you tie in 5th grade standards?
  + Tie in NGSS for 4th - 6th grade schools and \_\_\_
  + Combine bio/science with educational curriculum
  + Ucsb students have to learn curriculum, final project is creating project for kids and then implementing
    - Esther taught plants and crafts and engagement

Board Discussion:

*MOTION/SECOND: Lauren/Cyrus*

*Motion language: Motion to table spring 19-08*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: SPR 19-09 How fungal communities affect conifer regeneration in Southern California forests.

Sponsoring Organization: EEMB

Presenter Name: Gabe Runte

Summary:

Presentation Notes:

* He dressed up!
* Sarah left because Gabe worked for her :(
* Became interested in research in plant ecology from UCSB
* Became inspired by full time research
* Related to landscape restoration
* Survivorship around 5%, working to develop better inoculation techniques
* He studies ecology side of it, but its pretty interdisciplinary
  + Trying to create a management plan
* Undergrad researcher has and will work with samples that have been collected
  + Process it from time 0 to 2 sequencing (?)
* Hope is to allow student to be in a lab all summer instead of working somewhere else, give them the opportunity to go deeper into the science
* Giving really good skills for students who might want to go to grad school
  + Also not taught at UCSB
  + DNA sequencing (is hard)
* Planted a bunch of stuff in backland, no mortality as of now
  + Thinks some might die
* Hope to help front country, esp in soil stabilization areas, be more sturdy

Board Questions:

* How many of the sites are front country? Connected to coastal watershed?
  + None of their outplanting sites are in front country
  + Ridgelines; east camino, west camino
    - Grant cycle is reason
* Are you studying fungus already in the soil? Or treating it with fungi?
  + Both, studying what is present
  + Some tree is planted in Placerville, hoping to create inoculation site here
* Work undergrad will be doing nis taking samples from local environment and sequencing?
  + Both, samples are root and soil samples from seedlings and nurseries
* Will majority of work be running gene sequences or in the field?
  + Will not do any sample collection, undergrads have already been involved in that
  + Greenhouse experiment and dna sequencing
* Do you have the undergrad picked out
  + Generally, they recruit through listservs
  + Within, want to reward current undergrad
* Personally selecting, or someone in mind?
  + Self and PI
* Greenhouse experiment?
  + Funding on the supply side of things, important for greenhouse and and other lab fees
  + Lapse in funding from June - September, want “wiggle room”
  + Tease apart hydraulic conductance with plant
    - Show it is providing water to droughted treatment
  + Microlevel process
* What items in your budget could you do without, what is most important
  + Vital: undergrad funding, closer to a living wage and less than a tech 1 in their department
  + Supplies budget is hard because there is a lapse in funding, things could get stalled
  + Will do their best to get by
  + Sequencing is expensive!!!
    - Would work to find other funding
* Lab supplies being requested from us?
  + 4500 is what their purchasing now for the project
  + 1500 is partially for cone hangers, reusing some from past experiments
  + 1000 is wiggle room
* Cone containers specifically for this project? Reusable
  + Yes reusable
  + Experiment and also go into the ground
* Will undergrad be on a paper
  + Undergrad will be allowed to be author on paper

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Lauren/Juliet*

*Motion language: Motion to table spring 19-09*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: SPR 19-11 It's hAPPening!

Sponsoring Organization: MSI

Presenter Name: Monique Myers

Summary:

Presentation Notes:

* CoastSB - 26 sites, we provided seed funding
  + Established by BEACON (?) and US geography services
* Volunteers do them monthly
  + State or USGS or some org does once a month
* USGS is now using their data to calibrate models
  + Cosmos modelingL coastal storm modeling system ?
  + Does all CA coastline
* They now can see seasonal variation due to their data
* Been working to make their data reliable
  + SCOOS
  + Ecological data like where kelp lines up on beach
  + Would help her other project
* Got high school and SBCC students involved
  + One of their volunteers proposed the app
  + COMP SCI program at local highschool working with UCSB student and local engineer
  + Funds this year would be working on training volunteers to app, implementation
  + Look at doing more sites
* Expand program with more workshops
* Citizen science so people see effects themselves
* Workshops that involve different people in society
  + Ucsb, sbcc, high school, decision makers, etc
* App workshop, learning sessions, climate change workshop
* 5 students at SBHS comp sci academy
  + Should be finished by academic year
  + Streamline data collection process and scope of project
* Seagrant been doing this for 20 years, modeled their program off of that
* Could encourage seagrant to pursue this kind of monitoring project
* A lot of the grant is funding Aaron

Board Questions:

* Based current model on sea grants model
  + Modeled it almost identically, not much of a difference
  + Sea grant is on east coast
  + Very simple methodology, put in proposal for other places to do it
* Not much training for volunteers? How much?
  + Volunteer manual is standardized, they look over it in person before they meet
  + Visual aids
  + One training session is usually sufficient
  + They go down and check on groups
  + Customized training at site they’re going to adopt
* Comment on quality of data?
  + Citizen science; data is tested by him doing it first and then comparing their results to his
  + Beach profile is measure of slope and width of beach
    - 3 meter increments, rulers connected by rope
    - Getting height difference between rulers, top ruler is with horizon, and you see where the other one intersects with tick marks (?)
  + Inherently there is fluctuation because you’re standing on sand - about a centimeter or 2
  + Big changes, not fine data
  + Used to warn scientists
  + Their volunteers were the first ones to measure during mudslides
* Volunteer retention rate?
  + First guy in early 2017, hes still here
  + Some people only do one survey
  + He estimates average would be around a year
* Talk about workshops you’ve already held?
  + Give an overview about sandy beach ecology and bigger picture about purpose of surveys
  + Sometimes guest speakers: PhDs, esteemed ecologists, etc
  + Make time series overlays to visually show the changes that have occurred over time
  + Have volunteers present data sometimes! He gives them some guidance
  + Beach walks
* How many UCSB students have you had work with you in the past, what other tasks do stipend interns do other than data collection
  + Ucsb students do everything - helping w workshops, train volunteers, make the measuring tools
  + Partnered with the REEF, had almost a dozen reef interns help with surveys, have a couple left, couple bren students, couple undergrads
  + Have adults and retired people
* Who’s entering the data beforehand? Is it an undergrad you won’t need anymore?
  + He was entering data before
  + Will help them spend time doing things other than number crunching
  + Will gradually expand

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Kate/Lauren*

*Motion language: Motion to table spring 19-11*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**ADJOURNMENT AT (time)**

*MOTION/SECOND: Lauren/Alana*

*Motion language: Motion to adjourn meeting at 8:56 pm*

*ACTION: Consent*

*Additional approval required: NO*