## ASsquare_logo.tif Coastal Fund Agenda

## Associated Students

Tuesday, (1/29/2019), Nati Conference Room

**CALL TO ORDER** 6:07 PM by Jordan, minutes recorded by (Rebecca and Emily)

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

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

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to approve attendance and proxies*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **Approval of Minutes**

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to approve last week’s minutes*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **PUBLIC FORUM**

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

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

* Need to work on the budget for next year
* Mural grad student is coming in at 8:30
* connected with mural grad student; MFA program, teaches mural class,
  + $800 for his services
  + $200 supplies
  + $400 supplemental material- might do stipends instead
* confused on whether or not it will be during class time or outside of class with stipends
  1. **Chair Report: Gallagher**
* Went to fiftieth anniversary oil spill event
* 1. **Senate Report: Funk & Adam**
* NA
  1. **Administrative Report: Nishide**
* No 7:30 grant presentation because of scheduling mix up
* WIN 19-03
  + emailed us asking for stipend recommendations
  + board leaning towards $600 for undergrad stipends, $800 grad stipend
  1. **Coastal Service Program Report: Orr**
* banning a group from participating for a couple quarters
  1. **Outreach and Education Report: Unger Hicks & Nguyen**
* working on a lot of logistic training guides
* brand new brochures and stickers
* meeting with Chelsea (AS Graphics) and Rodney (IVPRD) about signage in IV
  + making it more of an AS project rather than parks so that AS Design can be used
* Meeting with Mural Grad Student
  + 3 or 4 murals per quarter, now offered year round
  + open to everybody but mainly for art majors and minors, class he helped develop and oversee
  + in terms of who will be completing the mural; 3-4 classes to complete, during designated class time of informal meeting?
    - during their class, Friday 1-4
  + Students can’t get funded via stipends for a class that they’re getting for units, but we can fund supplies
    - can fund stipends for it if it happens outside of class
  + draft sketches, approve, designate 20-25 students to paint mural in 3-4 classes
  + it is achievable, he does it in a simple way
  + is it best for us to just fund supplies rather than a stipend
    - cost of supplies- $200
    - student compensation: $120 ($10/hour)
    - does not want the students to do our work with no compensation
    - 800 for him to facilitate
    - students compensated with units
      * told sarah wouldn’t be a good idea
    - says that just because it takes place during 1-4 doesn’t mean that its not extra
  + Would you assign students?
    - definitely 20-25 students assigned, maybe other students on campus participate?
    - anybody else that wants to help can help
  + would the students design the mural?
    - yes, would talk to us and mural owner, he would supervise and do the communications
  + need to find property/shape
  + he usually goes straight to property owners
  + lot of emphasis on this being simple
  + need to know by next Friday
    - what else is there give it everything you got !
    - roll the dice!
  1. **Sub-Committee Reports**

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

*MOTION/SECOND: Jordan/Alana*

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

*ACTION: Consent*

*Additional approval required: YES (Senate)*

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

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

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **NEW BUSINESS**
2. **Spring 18-02 Extension Request**

*MOTION/SECOND: Alana/Jordan*

*Motion language: Motion to approve extension request for Spring 18-02*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **Fall 18-12 Extension Request**

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to approve extension request for Fall 18-12*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **DISCUSSION**
   1. (first item)
2. **PROJECT REVIEW**

Project Title: WIN 19-01 Beyond the Beach: Video Monitoring of Open Ocean Biodiversity

Sponsoring Organization: MSI/PISCO

Presenter Name: Ryan Freedman

Summary:

Presentation notes

* Cassel is here, research faculty
* Lot of different organizations working in the santa barbara channel; important ecosystem
  + Economically valuable fish
  + Pelagic ecosystem
  + Hard to monitor
  + Longline surveys are expensive, disruptive; not going to do them anymore
  + Generally low monitoring effort despite high value on multiple facets
* Offshore pelagic environment is hard to monitor due to how big it is and other factors
  + Mostly only fisheries monitoring, which is destructive
* Several years ago, Darcy Bradley was granted money to explore drop cameras for deep monitoring
  + Proposed set of initial set of drop cameras in stereo config. pointed inwards
    - Can measure lengths of animals
* Project builds on previous projects/resources CF funded in past
* Has been working with group in national geographic to have free floating stereo configured cameras
  + Pelagic beta remote video
  + Link in longline with about 250 m line, let it free float with the current; no boat, no humans after deployment
    - Really good survey tool
* Able to see cryptic fawna
  + Beaked whales
  + Animals that do not stay at surface for long to get way better approximation of population
  + Broidies
* Exploratory value is very big
  + Can potentially aide in management
  + Understand migration better
  + Sustainable interval for monitoring; has never been done
    - Currently maybe once a year for a majority but maybe not all of transect
* New opportunity to use this as a monitoring tool because of Freedmans and Cassells collaboration
* Ideal place to do this kind of work; area dependent economically on these species, pelagic fish catch is on market (we are commercial fishing port), range where changes are occuring environmentally
* Federal agencies want this information but don’t have funding for it
  + UCSB has an obligation to the community to monitor these resources
* Undergrads involved in project every step of the way
  + Experience with video monitoring makes someone really hireable, really easy to teach, really good way to get experience without so much liability/expense like scuba diving
  + Want to pay undergrads
* Channel Islands and jen’s lab is bringing boat time to the table, we are adding to $52,000 worth of funds
* Hoping that this grant will give proof of concept for a bigger grant

Questions

* How successful was this in the kelp forest?
  + Useful learning experience
  + Initial projects that coastal fund funded got her Sea Grant
  + State is moving towards using camera systems for MPA monitoring
  + Compared scuba diving to cameras with kelp forests
  + Camera drops in heavily forested areas are not competitive to scuba diving; was able to prove this
  + Also showed that poor visibility means cameras are not competitive
  + This is a good open ocean technique; nothing else can be conducted in this environment except acoustics
    - Could throw hydrophone onto rig
  + Project worked very well in the Islands
  + Using drop cameras for some of the giant sea bass surveys
    - Chris Lowe doing whitesharks in similar manner
* How often do you plan to deploy them?
  + Possibly every other week because they are doing work for half days approx every other week at santa cruz island, they cross the channel anyways
  + Could leverage \_\_\_- vessel
* Are you worried about a predator heavy view of the system because you’re baiting it?
  + With all of these camera systems, they are baited with very small amounts to get the animal into good view
  + Area of attraction: Always an issue, unknown
  + Less than half a kg of mackerel so they animal is not missed on the cameras
  + Dolphins and whales are curious, definitely coming to cameras
    - Not sure why, they seem curious
  + Anything floating near attracts fish
* Are you putting them in the same general location each time, or different sections?
  + Want to use two different ways
    - Regular sampling on trip out to the island in the same place relative to geography of channel
      * Gyre traps things in circulation
    - Want to use in ad hoc way as well
    - Repeat experiment done looking at entrainment in the gyre
      * Have good information from radar of when gyre is strong, drop in different locations
    - Long term monitoring and ad hoc
* Once you have system set up, they could last for years right?
  + Yeah, go pro keeps coming out with new cameras though
  + Batteries, expendable stuff
  + Rigs last probably forever
* Why just 20 hours of recorded video?
  + At minimum, 20 hours in the last coastal fund grant was successful number
  + Expect a lot more than 20 hours, deployment is minimum four hours for pelagic
  + Each camera is like an observer eye
  + Loss of human error
* Once you have the video, undergrad are going to watch. How long will it take to watch?
  + A long time
  + No automatic identification as of now, other groups are working on it
  + Collaborating with other labs, waiting on them to program
  + Issue; post processing is nontrivial for video work
  + Has worked with undergrads and technicians; they get pretty fast
  + Pelagic is pretty fast because the animals are big and come infrequently
    - 1:1, 2:1 time ratio
* How many interns are you looking to mentor?
  + Three
  + Cassell often has 15-20 undergrads in her lab
* You’ll be training them to ID for species?
  + Hopefully
* Will they also be setting up the cameras and making the drops?
  + Hopefully, we want them on the field and in every aspect
  + Cassell says students are better with go pros than her because they are young, there is manual labor as well
* Volunteer opportunities? Difference between interns and volunteers?
  + Lab already has a lot of volunteers
  + Will expand that, understand interns sometimes will not be able to go in
  + Grow opportunity for volunteers to make sure manpower is maintained, teach them
  + Finding opportunities to fit students needs
  + People start as volunteers, some get paid later; hierarchy works
* Is there any potential for the data for other groups, open source?
  + Everything they do is open source, have been for a long time (PSCO)
  + Sometimes it is hard to make data public, video data is large
  + Working on overcoming size barrier
  + Trying to work with CA video digital library and NOAA to get video more accessible
  + Want to make a series of short videos; students can help with this as well
* Ryan will this be part of your dissertation?
  + No he will be done by then

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to table discussion for WIN 19-01*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: WIN 19-06 Blue Horizons

Sponsoring Organization: Carsey-Wolf Center

Presenter Name: Emily Zinn

Summary:

Presentation Notes:

* <https://vimeo.com/channels/147339>

Pre- Presentation notes

* Alana: In support of at least minimum giving what they asked for last year, they are asking for more this quarter
* One of our few arty programs that we fund
* Juliette: agreeing w Alana
* Always say the whale watching trip is most important
* A lot of purchases are not of physical things, stuff like licenses and stock film
* Paying the professor more for the amount of work he puts in
  + Bren can’t fund the professor this year
* Local and coastal, different from Green Screen
* Should we bring up longer term funding?
* Open to non-UCSB students
  + We are not fully funding, what is the ratio of UCSB to non UCSB students that generally participate?
* Can we ask them to have a minimum amount of UCSB students?
* They do need to pay summer tuition to be here this summer, so they could be justified as students
* They do a screening that is free for UCSB students

Presentation notes

* Some changes in recruitment from last year
  + Started going around to all the ocean related classes during Fall, Winter, and beginning of spring quarter
    - More applications than ever before, they came in early
    - As of now, they have 20 applications; this is a lot, due in two weeks
    - Most applicants responded that they heard about the program from classroom visits
    - They ask when a blue horizons student is in the class and make them talk, it worked well
  + Inspired by professors here doing environmental media, a group of 120 graduate students and faculty in media side of FAMST started journal
    - Started an international online multidisciplinary journal
      * Send stuff out about Blue Horizons, professors across the world get work out to students
      * More national and international students
* Program is primarily UCSB undergraduates, a few graduates
* They got a 12 unit focus in strategic environmental media in Bren, top focus for attracting new students to Bren
* New things they’re asking for this year
  + Help with replacing a stipend that Bren used to give for lead instructor
  + Michael Hanerhan (?) is kind of father of this field of academics, he brings something special to the program, they added in the request for that funding
* <https://vimeo.com/channels/147339>

Questions

* About how many students are enrolled in the program?
  + 18 students; they say 20 but found 18 is better. Can take up to 20
* WIth the expanded pool of people applying, do you see a way to expand the program in the future to accommodate more than 18 students?
  + Have ideas for expansion, would love to run an advanced version
  + About half are from bio, environmental science who have never picked up a camera (equipment sony donated)
  + Trying to move blue horizons abroad
    - Hotspot: take a group of about 15 students to an environmental hotspot, somewhere where there are bad environmental crises
    - Working with a big agency for this
  + Blue horizons is looking at big expansion
* About half end up being stem majors, about what proportion ends up being UCSB students? Our budget comes from student fees
  + Quite a few UCSB students
  + Talked about STEM experience in media
  + Last summer: 18 students, three from outside of UCSB
  + The great majority is from UCSB
* Are the students enrolled, and are they getting units?
  + Fourteen unit, four course class
* Does financial aid cover these students?
  + In the past they’ve gotten funding from financial aid
  + Have gotten donations for student scholarships
  + Just got a 3 year $50,000 grant for scholarships
  + Do exit interviews, hear that the students could not have done the program without the scholarship
  + Only UCSB students receive the scholarship funding
  + Many students living in their cars first week. After hearing that, Blue Horizons started working with Housing to avoid that
* What’s your process for choosing applicants for the program?
  + Try to keep it straightforward; do not ask for transcripts or letter of rec
  + Ask to tell: what is your background in STEM broadly speaking and/or expertise in media making
  + Write 250 words on why they want to commit 9 weeks to an intense program
  + Emily Zinn and herself go through and do initial screening, bring in instructors to look at applications
* Two of last summer’s films are in the SB film festival?
  + Yes
  + Sometimes all four get in
  + At least two greenscreen films are also in the festival
* Does everyone get to go that takes the course get to go to the festival? It costs money right?
  + Makers get to go
  + Santa Barbara shorts theme by film festival done in Arlington
* Long term funding?
  + Seems excited about the aspect of being to plan long term
  + This is their 13th year, growing and expanding, anytime more long term funding is available a lot of possibilities are opened up
  + Happy to give feedback and be a possible recipient

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to table discussion for winter 19-06*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**ADJOURNMENT AT (time)**

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to adjourn 9:00 PM*

*ACTION: Consent*

*Additional approval required: NO*