## 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*