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## **Internal Chronology: Activities of CIOSS Fellows at the College of Oceanic and Atmospheric Sciences, Oregon State University**

**2002**

**May:** The call for proposals for “CIORS” (Cooperative Institute for Oceanographic Remote Sensing) was published in the Federal Register. A minimum of \$500K per year will be available, split into administrative and research parts. The proposal is only for the administrative part (up to \$250K). This is kept to a minimum (\$174K) by adding COAS support for 1-month for the Director and 6-months for a full-time Administrative Assistant.

**June 28:** Proposal submitted. The effort was encouraged by (Dean) Mark Abbott, and led by Dudley Chelton, with contributions from over a dozen COAS PIs and substantial help toward the end from Mike Freilich and Ted Strub. Ted Strub was given final responsibility for putting the pieces together and submitting, with Strub and Freilich as Director (lead PI) and Deputy Director, respectively.

**2003**

**January 7:** Eric Bayler informed Ted Strub that the proposal was accepted. Eric asked for a name change to CISO (Cooperative Institute for Satellite Oceanography) and a start date of April 1, 2003. These were agreed to by Strub.

**January 17:** First meeting of the “Science Panel” (local PI leaders: Strub, Freilich, Chelton, Samelson, Abbott) was held. The members affirmed the original overall strategy of the proposal – to use as much of the funding as possible to hire post-docs to carry out specific projects, leveraging the NOAA funds to increase the overall budget. The original 5 external partners who signed letters of support (J. McWilliams at UCLA, J. Kindle at NRL, H. Arango at Rutgers, R. Malouf at Oregon Sea Grant, and R. Bailey at the state of Oregon Coastal Management Office) were notified of the success.

**January 22:** Strub and Bayler discussed open questions about how to proceed to obtain both the Administrative funding (\$174K) and the Research funding (\$326K). The Administrative funding is as in the proposal and was sent to NOAA grants for approval. The Research funds for Year-1 require a new proposal. Eventually, the Admin funds were approved, after Strub supplied more budget justification material to Christine Brown.

**February 7:** Discussions began between Strub, Freilich and Jessica Hamilton about Streamlines article and Research Note.

**February 18:** All Co-Is who were available met to discuss possible projects and Post-Doc positions for the first year’s research. Nine projects/PDs were identified.

**March 6:** The Science Panel met and prioritized the 9 post-docs, considered what other funds were available to mix with the NOAA funds. Strub requested a name change from Bayler, at the suggestion of the Science Panel. The name CIOSS is eventually chosen, to be symmetrical with the CIMSS name. Bayler agreed on **March 11**. Letters of support for the name change came from the OSU Research Office and Kathy LeFevre (NESDIS). The name was

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eventually changed to CIOSS. Strub requested 2-page descriptions of the Post-Doc projects from the CIOSS PIs by **March 20**.

**March 28:** Strub and Bayler met at the NESDIS offices in Camp Springs, MD. They filled out a 5-year budget ceiling with approximately \$5M each year during years 2-5, resulting in a 5-year budget of approximately \$20.7M (including the small amount of cost sharing from COAS). This budget was faxed to Luke McIlvenny, who obtained OSU Research Office approval and faxed it back to Bayler.

**April 5:** The proposal for the Yr-1 research was sent to Bayler from Strub, describing the 9 possible PDs and their relation to CIOSS goals.

**April 7:** Janice Sessing from NESDIS called Strub, asking for suggested revisions and additional quotes for a NOAA press release draft. She also asked Strub and Abbott to arrange a call between OSU President Tim White and NESDIS head Greg Withee.

**April 25:** Text for use in a 1-pg Research Note or other PR documents was more-or-less finalized between Strub and Lisa D.

**April 28:** NOAA lawyers finally approved the Administrative grant, establishing CIOSS as an official Cooperative Institute. Withee called White and congratulated OSU. Press Releases were released by NOAA and then by OSU.

**May 1-2:** Strub attended the 2<sup>nd</sup> Annual CI Director's meeting in Madison, WI. Other NESDIS CI's are represented by Steve Ackerman (CIMMS), Tom Vonderhaar (CIRA), Tony Busalacchi (CICS) and Reza Khanbilvardi (CREST). Each CI was to provide Fran Holt with a summary of Institute personnel from the preceding year, satellite capture and archival at the Institutes, and courses taught that are related to the Institute goals. Only personnel who are partially supported by the Institute funds should be listed, or those students/staff working with faculty who are partially supported by the Institute.

**May 13-14:** First Site Visit by NOAA/NESDIS to CIOSS/COAS/OSU. Marie Colton, Eric Bayler, Fran Holt and other NESDIS PIs visited, joined by Eddie Bernard (PMEL), Mike Laurs (PFEL), a NOS/CSC representative from Seattle. CIOSS PIs presented summaries of work related to CIOSS goals. Tim White addressed the meeting **May 14**. The NOAA visitors went to the HMSC to see the facilities and hear about the work there, where a public display is intended to highlight CIOSS and other remote sensing work.

**May 13-14:** During the site visit, Luke McIlvenny worked with Marilyn Moll on the Memorandum of Agreement, patterned after MoAs from other institutions.

**May 22:** Bayler sent Strub the NESDIS response to the 9 PDs in the Yr-1 Research Proposal, giving the NESDIS priorities (based on discussions between Bayler and Holt).

**May 27:** Bayler called Strub and informed him that NESDIS is going to augment the Yr-1 budget with a 1-time only amount of approximately \$400K, which is to go to Dawn Wright and Jim Good for GIS-related coastal mapping. This funding has some relation to the Coastal Services Center (NOS) in Charleston, SC.

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**May 31:** Strub sent Bayler a revised Yr-1 Research Plan (Iteration 2), incorporating the NESDIS priorities and providing a budget just for the 6 PDs that will be partially funded with NOAA support.

**June 1:** Bayler approved Iteration 2 and said he would take this forward to Kathy LeFevre.

**June 9:** Bayler said that Iteration 2 will serve as a workplan, but now he needs a more detailed budget, Form 424A, and justification. Strub sent these on the same day and called this Iteration 3.

**June 10-11:** Strub met with Dawn Wright and Jim Good about their proposal, made through CIOSS, for \$372K for coastal mapping and other items. Strub asked them to make some connection between these funds and the NAMSS and SMILE outreach programs.

**June 10:** Jim McWilliams (UCLA) visited COAS to discuss research collaborations with John Allen, Jack Barth, Gary Egbert and other COAS PIs. McWilliams is one of CIOSS' original partners (the 6 people/institutions who sent letters of endorsement that went in with the proposal). CIOSS reimbursed travel costs of \$500 on a \$7XX airline ticket.

**June 13:** The Wright satellite/GIS proposal was submitted.

**June 16:** Bayler called to say NOAA wants a new format for the Yr-1 Research Proposal. He gave the general form over the phone and sent another proposal as an example. He wanted the Wright proposal included as Project 7 (after the 6 PDs CIOSS has submitted). He indicated that he has modified the objectives listed in the MoA and these 4 objectives are to be placed in an introduction and related to the post-doc projects.

**June 17:** Becka Hartkop, Dudley Chelton and Ted Strub meet: Becka is working as an undergraduate intern on a prototype web page for CIOSS, supervised by Dudley.

**June 18:** Strub submitted Iteration 4 of the Yr-1 Research Proposal in the format requested by Bayler, with the longer descriptions of the 6 individual projects (from Iteration 1) as Appendices, each with its own budget. The Wright proposal became Project 7, with only a sketchy description, since Strub didn't have the proposal at that time. Since Bayler has substantially modified the MoA, Strub tells him to finish doing that at NOAA, get it acceptable to NOAA lawyers, and then COAS will make the minimum number of revisions after NOAA is satisfied. Strub told Bayler to work with Luke during the next 2 weeks while Strub was traveling.

**June 25:** While Strub was at a NASA review panel, Christine Brown (NESDIS Contracts) called to say the Wright budget is off by \$1. She eventually sent it forward with a note about this minor error.

**July 1:** Fran Holt sent 5-year umbrella proposals from Alaska and Woods Hole, to serve as examples.

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**July 6:** Strub sent Fran Holt the material requested at the Madison CI Directors' meeting.

**July 7:** Janine Kobel started as Administrative Specialist. One early task was to take over running the MODIS workshop (Sept 4-5) from Ricardo Letelier. Other tasks were to spin up on the CIOSS history and the ongoing document development for the Yr-1 Research Proposal, the MoA, and the 5-Yr Umbrella plan.

**July 9:** Strub discussed outreach displays at HMSC with Jon Luke. There are both immediate and long-range possibilities. Joe Cone (Sea Grant Media) may get involved. Strub and Kobel should visit HMSC in August.

**July 10:** Strub asked Eric Bayler, Fran Holt, Christine Brown, and Kathy LeFevre to copy correspondences to Janine Kobel. He also asked about the status of (1) the Yr-1 Res. Proposal; (2) the MoA; and (3) the 5-year Umbrella Proposal. In a separate email he asked Eric and Fran about future 1-time or competitive opportunities for additional funds.

**July 22:** Carol W., Luke, Janine and Ted met with Coral Zoeller (Research Office). Coral deals with NOAA, but Strub should go through Luke and Carol first. The Research Office sends NOAA financial reports based on Banner. Not very detailed. Luke will handle the cost share and COAS will only pay the amount they said for Janine's salary, not 50%.

**July 22-24:** Dale Haidvogel (Rutgers) and Enrique Churchitser (Lamont) visited the COAS/CIOSS modelers to discuss collaborations. Hernan Arango (Rutgers) is an original partner and he works also with Dale (and Andrew Bennett at COAS).

**July 29:** Dudley Chelton, Eric Maloney, Ted Strub and Janine Kobel visited OMSI to discuss displays. Met with Ray Vandiver (VP for exhibits) and Stewart ? They may be interested in exhibits or in a presentation for their new planetarium.

**August 14:** Christine Brown called from NESDIS. NOAA GMD (Grant Management Division) has many questions about our proposal documents. She later sent a detailed email (see spiral notebook). Send documents to Lori Wiley.

**August 15:** Our post-doc application was approved by HR (went there 7/31). Ads were placed at AGU bulletin board, EOS, Oregonian, GT. Strub eventually sent to GLOBEC NEP, Cornillon, EPOC (not distributed). Close dates are Oct 6 for ours and Coakley's.

**August 15:** Strub sent a detailed reply to Christine, Lori Wiley, Eric, and Fran, along with electronic versions of some of the interim documents that they could not find. Christine responds that they will look those over and thanks. They will get back to me with the correct budget numbers.

**August 22:** Marilyn Moll sent the approved MoA. Luke says the OSU lawyers have already looked it over. We just need to get President Ed Ray's signature. Luke sends to Rich Holdren to get that signature.

**August 26:** Kathy LeFevre called and asked to recreate the SF424, 424A, 424b and CD-511 forms, for the 5-year \$20.7M, and have Bill Wolfinbarger sign them and date them 3/31/03.

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**August 27:** Strub had Bill Wolfenbarger sign the forms. Fed-Ex'd these to Lori Wiley with copies to LeFevre, Bayler, Holt, C. Brown.

**August 27:** In the same Fed-Ex package, I put an original of an updated "Omnibus Proposal" for first year research, with budget numbers and text revised 8/26. Sent also the spreadsheet and the form SF424A for the entire first year research (no signature required).

**August 27:** Jane Huyer and Fleischbein objected to the furniture arrangement and say Alan promised Jane she could go back in to the room in the "window corner" with her original furniture. The furniture won't generally work. I told Janine, Jane, Larry T., and Alan to work it out.

**September 3:** Eric Bayler responded to my question about the SMILE outreach proposal by saying the 2003 money has been closed out (by June 30) and 2004 money won't be known until October or much later, so no funds for SMILE this year. I looked at the books and refigured surpluses at the end of the first year. We could fund the first year of the SMILE proposal with the surplus from not holding a summer course this year and from Mike's unused salary. I told Mike (Sept 5) to talk to Eda Davis-Butts.

**September 4-5:** MODIS workshop went off very well.

**September 8:** Janine moved into the third floor CIOSS office. I forwarded a question from Dawn Wright's folks about when their award starts to Lori Wiley, Eric and Fran, Christine and Kathy. Lori replied that sorting out all of the documents and emails is an "arduous task" that she will start this afternoon. I offered (next day) to help and suggested she start with my Aug 15 email and concentrate on 3-4 documents.

**September 8:** Mike F. said he would talk to Eda about SMILE.

**September 15:** Janine and Ted met with Jon Luke at HMSC. Jon has ideas of various scales for outreach displays. HMSC is also used for classes. Single displays (maybe "prototypes") cost about \$10-\$20K; full multi-station exhibits cost \$100-\$150K. They contract out for fabrication, could contract to OMSI. Data overlaid on bottom topography interested Jon a lot.

**September 22:** Lori Wiley requested a fax of the original award that Clem signed and returned to Emmanuel [Mike?] Atsalinos. She also requested that Ted confirm start and end dates of 6/1/03 – 9/30/04 for the "Research" increment, which is about to be signed. He did this.

**September 22:** Strub sent Eric Bayler a "letter" for him to sign, giving authorization to convert \$32,489 of the "participant support" funds to salary for the SMILE program (0.5FTE for Melissa Feldberg). He signed and faxed back around Oct 1, but then Lori Willey said we needed a complete SF-424A form along with a written request and that had to go to Bayer, then to Mike Atsalinos. **October 2:** I sent the Form SF-424A and the text describing the reasons for the change. Eric said the Research Proposal had been signed Sept 30, as far as he knew.

**September 30:** Met with Janine and went over post-doc applicants.

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**October:** Dusanka Zupanski from CIRA contacted us and asked to come visit in November (10-13). Initially I said yes but on November 3, between Peru and WHOI, I postponed. Maybe now in mid-February. Janine will arrange.

**October 6:** Met with Dawn Wright, Jim Good, Chris Goldfinger, Janine, Melissa Feldberg, Michele Punke (Dawn's GRA). Michele will survey outreach material and summarize, then Melissa and Janine will get involved. Jim might have some funds not used for grad students to put forward for a display at HMSC.

**October 16:** Research funds reached OSU for our supplement (increase to \$500,713, not counting COAS match; plus Dawn's \$372K). NA108B now goes to \$500,713. NA108D is Dawn Wright's funds (not including Goldfinger). NA108E is Chris Goldfinger's funds (in COAS) and NA108F will be the \$32,489 for SMILE.

**October 20:** Janine gathered "revisions" to proposal for Research Office. Sent a copy of each to Research Office and Luke. Revisions included the Wright proposal (8/15), proposal with revised numbers (8/26), proposal with a text change (8/27), and confirmation of start/end dates for 1<sup>st</sup>-year supplement.

**October 22:** CIOSS Director Strub provided a letter of support for the Northwest Pacific Proposal to CSC for a pilot IOOS coastal observing system (OSU-OGI-UW).

**November:** In between meetings, Mike K. and Strub narrowed the list of candidates to about 6 to ask for references. Janine did not send requests for references until I returned around November 26.

**November:** Janine began working with Marilyn Moll and preparing a "skeleton" document for the CIOSS 5-year plan based on the CIFAR 5-year plan. Gave to Ted before he traveled to France.

**November:** George Boehlert made contacts with Jack Higginbottom (Space Grant) and Jack may be interested in a display featuring remote sensing if both HMSC and OMSI are included. \$10K?

**November 5:** CIOSS Post-doc Iain MacCallum gave an ocean optics seminar to discuss the measurement and modeling of phytoplankton light scattering.

**November 12+:** I sent Michele Punke CDs for Geonauts, Visit to an Ocean Planet and the CIMSS Satellite Meteorology for Grades 7-12.

**November 26:** Melora Halaj (Hali, long i) at SMILE sent a 3-page proposal and budget for the next two years of development and use of material in the high school program. The budget is about \$100K / year. I sent comments December 1.

**December 1:** COAS Outreach and Pubs committee met. Update list of what's being done.

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**December 1:** Renee Davis-Born sent request for ideas for LTER outreach. I suggested the high-school oceanographic data collection effort and also mentioned the SMILE program.

**December 2:** Talked to Jack Barth. The STC proposal will have a big component of outreach. Pre-College will emphasize the Saturday Academy in Portland but can include SMILE as well. Amounts unknown but probably \$10-\$50K. Maybe also help the PISCO effort. There will be undergrad ed. Grad MS in technology at all institutes. OSU, OGI, ?UW?. Antonio is director. Jack and Dave Martin are Associate Directors (Research and Education for Jack, Knowledge transfer for Dave. Outreach and Knowledge Transfer will have visualization centers. At OGI there will be a \$400K walk-in 3-D ocean or model or??

**December 3:** Talked to Margaret McMannus and Mark Merrifield about post-doc applicant Shaun Johnston – sounds like a good prospect and easy to bring here. He's got an offer from SIO and is visiting.

**December 4:** Recommendation for Shenfu Dong was very good. She might not finish until March, 04, which is pretty late. John Allen gave us the application for a woman in the U.K., a theoretician/modeler. She also would be around March and might not want to just analyze data. We received another late application from Weimin Huang, with radar experience (wind-retrieval) now working in Newfoundland. Hold off on both the U.K. and radar possibilities until we see if we are happy enough with the applicants we have.

**December 10:** Melora Halaj sent the next iteration for the SMILE proposal, then left town. It consists of about a 3-page proposal and a budget of about \$80K per year.

**December 10:** (approx), Fran Holt negotiated the timing for a “coordination meeting” between ORAD and CIOSS. Strub arranged time to go. Then Fran Holt sent a draft agenda that called for 5-6 CIOSS PI's to attend in DC Feb 7-8. Strub asked for a postponement and they gladly gave it. Fran asked to set new date in March soon. Strub said they needed to talk about content more.

**December 23:** The CIOSS MoA was signed by NOAA Administrator Conrad Lautenbacher, finalizing the Cooperative Agreement between NOAA and OSU at the highest levels (the MoA was signed by OSU President Ed Ray in August).

**December 31:** A letter of support from CIOSS Director Strub was written for the LTER proposal by Menge et al.

**December 30:** Lori Wiley answered Eric Bayler's question about our rebudget request by saying they never got the proper documents. Strub resent some and then had Janine resend others. Lori replied while Strub was gone that we were not supposed to send stuff to her or anyone in GMD. It had to come from Bayler (Program Officer) and be complete and our paperwork was never complete. Then Lori turned around and said that we were overdue in our semiannual report and so our request couldn't be acted upon. Then Lori turned around and approved our request, saying she was doing so under the understanding that our progress report was being written.

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**December-January 2004:** PD applicants Johnston, Dong and Machin withdrew their applications; they are going to SIO, SIO and Europe.