

**FALL OHP MEETING**  
Bedford Institute of Oceanography, Halifax  
6-8 October 1995

**In Attendance:**

Gregg Blake  
Brad Clement  
Tom Crowley  
Rainer Gersonde  
Dave Hodell  
Anne Marie Karpoff  
Alan Kemp  
Mark Leckie  
Tom Loutit - Chair  
Ted Moore  
Delia Oppo  
Brian Popp  
Warren Prell  
Christina Ravello  
Koza Takahashi  
Elizabetta Erba

**Absent:**

**Liaisons & Guests**

Paul Barker - SGPP  
John Firth - SO & ODP  
Brian Huber - IHP  
John Farrell - JOI  
Paul Dauphin - NSF  
Larry Peterson - SSP  
Carolyn Eyles (AUSCAN alternate)  
Peter de Menocal - CLICOM/WLS

**A. Welcome**

**B. Agenda Approval**

**C. ODP/OHP Tasks**

Review of tasks to be undertaken by OHP to bring new members to understand the objectives of each meeting.

1. Spring Meetings
2. Fall Meetings

**D. Matters arising from past minutes**

Alan Kemp noted that OHP has never ranked the Saanich Inlet proposal and suggested that OHP writes a recommendation to PCOM formally stating our support for the proposal and its place in the drilling schedule.

*Action:* Loutit

**E. Liaison Reports**

*SGPP* - Paul Baker

*SSP* - Larry Peterson:

*IHP* - Brian Huber (see attached notes)

*JOI* - John Farrell

*NSF* - Paul Daupin (see attached notes)

*PCOM* - Bob Carter

*CLICOM/WLS* - Peter de Menocal

## **F. New Proposal Reviews**

Loutit presented an overhead outlining the procedures for reviewing proposals and discussed the review criteria and review forms and reminded the panel of the procedures for dealing with conflicts of interest.

*Review of new proposals (since July 1, 1995)*

### 348-Rev - NJ Margin (Watchdogs - Moore & Blake)

Ken Miller and company have done an outstanding job in illustrating methods to test the sequence stratigraphic model on a siliciclastic margin. Forms the basis for a global test of the synchronicity of sea-level changes.

New Drilling designed to:

1. data major Oligocene-Recent Sequences
2. correlate sequences using oxygen isotopes
3. estimate amplitudes, rates of sea level change
4. define stratigraphic response to sea level change

Three shallowest sites (MAT 1-3) must be drilled with different platform because too shallow (< 30meters)

Some important revisions to original proposal based on new seismic and the results of Legs 150/150x. Discussed possibility of LWD at each site because of problems with hole conditions at Leg 150 sites

Reviewed as A1/B1.1/B2.1/C1/D1/F1

Side scan sonar images (March 1996) still required by SSP - 1B

### 355-Add - Peruvian margin/gas hydrates (Watchdogs - Takahashi/Moore)

Proposal of little interest to OHP - not much has changed since Spring 1995 meeting.

Reviewed as A5

### 404-Add - Western North Atlantic Sed. Drifts (Watchdogs - Clement, Prell)

Originally less than leg science but now stand alone, full leg. SSP ranks it as IB, almost ready and is strongly supported by OHP,

Reviewed as A1/B1.1/B2.1/C.1/D.1/E.8/F.1

The proposal was rated E.8 because sites still needed to be prioritized and drilling estimates and transit and logging times have not been estimated

using ODP tables. **404-Add2 is of no interest to OHP and was rated as an A5.**

455-Rev - NWAMP (formerly LOI 22), (Watchdogs - Hodell, Kemp, Erba)

Regarded as high priority objectives to OHP but proponents need to rewrite to obtain a better balance between ice sheet mechanics and oceanographic record.

A number of issues were identified by the panel:

1. continuity of section (hiatuses?/turbidites?)
2. stratigraphic control (microfossil datums)
3. how will mechanism of ice-sheet pulsing be delineated
4. potential problem with core recovery

Reviewed as A1/B1.1/B2.1/C3/D1-D2?/E8/F2

457-Rev 2 - Kerguelen Plateau (Watchdogs - Hodell, Crowley)

Proposal was rated as being of interest to OHP but OHP objectives have not yet been clearly stated. If paleoceanographic objectives are included then this proposal would be rated higher than OHP. See comments on ratings form.

Reviewed as A3/B1.1/B2.1/C2/D1/E8/F3

462-Rev - Blake Nose (Watchdogs - Leckie et al)

Palaeogene at shallow depths and regarded as ready to drill and strongly supported by OHP as a full leg. Completely different age targets from 404. Multiple drilling scenarios provided by proponent.

Reviewed as - A.1/B1.1/B2.1/C.1/D.1/F.1

464-Add - Southern Ocean Transect (Watchdogs - Crowley, Oppo, Leckie)

Proposal is important to OHP objectives, only issue of concern is the success of the site survey cruises in early 1996.

Reviewed as A1/B1.1/B2.1/C1/D1/E8/F1

468-Rev 2 - Romanche Fracture Zone (Moore et al)

carbonate cup/sliver of Lower K-Eocene nothing added for OHP

Reviewed as A5

473-Add - Saanich Inlet (Watchdogs - Kemp, Prell, Moore)

Because the panel had not reviewed this proposal the discussion focussed on the how best to write a letter of support for drilling this location. Important area for studying fluxes of sediments & microfossils. Saanich Inlet represents an anoxic basin. Three sites proposed with water depths ranging from 175 to 227 meters. The high resolution sites will be important for Holocene climate/productivity, terrestrial climate, marine productivity,

fire history, human settlement, anoxic diagenesis, microbial processes and heat flow

477 - Sea of Okhotsk & Bering Sea (Watchdogs - Oppo, Ravelo, Popp)  
Proposal highly relevant but needs significant work. Panel outlined some of the available datasets and expertise that could be utilised to improve the proposal.

Reviewed as A1/B12/C3/D1/E8/F2

480 - Caribbean Cretaceous Basalt Province (Watchdogs - Moore, Blake, Karpoff)

Reviewed as A5 (instead of A3 because of site selection)

481 - Red Sea Deeps

OHP - part (Pliocene Holocene history of young rifted margin) poorly documented, no site descriptions, possible correlation between Med Sapropels and Red Sea sapropels, also monsoonal circulation. Some confusion over tables and figure captions.

Reviewed as A3/B1.2/C3/D1/E8/F2

## **G. New Letters of Intent**

*LOI 54 - Indian Ocean (Watchdogs - Prell, Erba, Ravelo)*

Themes discussed by the proponents are of interest to OHP but the specific objectives need to be crystallised and there is a considerable amount of work needed.

*LOI 56 - Palaeogene Equatorial Pacific (Watchdogs - Oppo, Crowley, Kemp, Prell)*

Panel highlighted the need for shallow sites because of the relatively shallow CCD during Eocene. Regarded as important contribution to understanding early Palaeogene ocean and climate history. Clear hypothesis concerning position of ITCZ in Eocene. eg upwelling non-existent in early Eocene. Panel suggestions include development of both 1 & 2 leg drilling scenario and the fitting of their proposed drilling into bigger scheme of other Eocene sites.

*LOI 57 - Abyssal anoxic basins (Watchdogs - Kemp, Crowley, Leckie)*

An intriguing letter but much documentation about cores and water data available but not included.

*LOI 59 - Monsoon History, South China Sea (Watchdogs - Prell, Oppo, Takahashi)*

Themes are important but case is sketchy and considerable effort must go into locations/site selection.

Suggest that proponents document monsoon history for Pleistocene based on piston cores before extending record back to 20 + m.y. to look at monsoon history of SE Asia.

LOI 62 - US Mid Atlantic ( Watchdog - Blake)

Mostly facies architecture (slump, redeposition) and of little OHP interest

**H. Review of other active proposals on the prospectus prior to ranking**  
Discussed ranking procedure. Procedure handled by Huber, Baker and Peterson

354 - Add 4 - Benguela Current (Watchdogs - Karpoff, Leckie)

Kemp & Baker expressed concern that a Walvis Bay site was needed in addition to the other 9 primary sites.

**I Ranking of Proposals in Prospectus (FY 97)**

1.	354	Benguela	0.894
2.	462	Blake Nose	0.831
3.	464	South Atlantic	0.786
4.	404	N Atl. Sed. Drifts	0.744
5.	348	New Jersey Margin	0.706
6.	457	Kerg Plat - Broken Ridge	0.450
7.	447	Woodlark Basin	0.331
8.	468	Carb Platform/Romanche FZ	0.288
9.	480	Caribbean LIP	0.256
10	461	Iberia	0.144
11.	300	735B	0.044

**J. Future Meetings**

Spring Meeting 1996

Kauai, Hawaii

Host - Brian Popp

Dates: March 4-6 (meeting actually March 4-6)

Fall Meeting 1996

Strasbourg, Germany

Host - Anne-Marie Karpoff

Early in October (Oct 2-4)

Spring Meeting 1997

Santa Cruz

**K. Panel Membership**  
no discussion required

**L. Liaisons**  
SGPP - Brian Popp  
TECP - Tom Crowley/Warren Prell

**M. Reports**

1. Leg 160 - Allan Kemp
2. Leg 162 - Dave Hodell
3. Caribbean - Mark Leckie

**N. Co-Chief Nominations**

348

Ken Miller  
Greg Mountain  
Jamie Austin

354

Gerald Wefer  
Wolf Berger  
Colin Summerhayes  
Steve Calvert  
Tom Peterson

404

Lloyd Keigwin  
Ed Boyle  
Roger Flood  
Isabella Primoli-Silva  
Hugh Jenkins

462

Dick Norris  
Tim Bralower (ex OH panel member)  
Jim Zachos (ex OH panel member)  
Nick McCave  
Tom Johnson

464

Dave Hodell (Proponent and panel member)  
Rainer Gersonde (Proponent and panel member)  
Chris Charles  
Lloyd Burckle

**O. Long Range Plan**

Discussed LRP. No formal response from OHP. Panel members asked to communicate concerns directly to John Farrell (JOI) during the ICP.

**P. PCOM Issues***Conflict of interest*

Changes provoked a lot of discussion. Panel suggests that 11.04 should read:

If any JOIDES panel member or committee member has any actual or perceived or prospective financial interests, affiliations, or is a drilling proponent or site survey proponent, or co-Chief Scientist the member is required to declare his or her interests to the panel chair. The member will then refrain from any discussion relating to the proposal and abstain from any vote relating in any way to the proposal. Drilling proponents should not be present during the discussion and rating of their proposal by the panel.

11.05 should be removed and the recommendations supplied by OHP to PCOM in 1995 should be followed.

### *Publications Policy - Motions*

OHP strongly endorses the continuation of the Scientific Results volume because it is 1) an archive of drilling related data, 2) a compendium of leg-related science, 3) a method of managing post-cruise scientific research, and 4) a tangible program "legacy". OHP also endorses IHP recommendations relevant to the SR volumes. The representative from France voted against this motion.

### **Q. Notes to proponents**

#### *354 - Benguela*

The Ocean History Panel has ranked the Benguela Current as its number one priority for FY 1997 drilling. The Panel would like to draw the proponents attention to the additional possibility of obtaining a laminated (varved) sediment record from Walvis Bay; not currently in the proposal. The annual-scale resolution available from the laminated sediments would add an important contribution to a growing number of sites with such resolution (Santa Barbara Basin, Cariaco Basin, Saanich Inlet) and could provide long, high-resolution record of the evolution of the coastal upwelling system.

OHP urges the proponents to include a site in Walvis Bay in the forthcoming site-survey cruise and to consider adding this to the proposed drilling.

#### *473 - Saanich Inlet*

At the Spring 1995 meeting OHP did not rank the proposal 473, but at this meeting it was decided that OHP should record a vote of support for drilling in the inlet.

The Ocean History Panel strongly supports the Saanich Inlet coring initiative. The aims pertaining to terrestrial climate and marine productivity variation are central OHP objectives. The annual scale resolution available from the laminated sediments will add an important contribution to a growing number of sites with such resolution (Santa Barbara Basin, Cariaco Basin). The record will also provide the opportunity to identify and separate natural from anthropogenically driven anoxia. The addition of this site will also contribute to related PAGES initiatives such as the Pole-Equator -Pole program. The delivery of climate change records on annual/decadal time scales, by coring achievable uniquely by the ODP platform, is also a powerful addition to arguments for the continued support of the Program.

### **Recommendations**

#### *Drilling Time Estimates*

Software program for drilling time estimates should be made available to community; proponents need to have same/similar software as ODP operations people use.

#### *Shipboard Palaeontologic Data*

OHP is concerned about the potential loss of shipboard and shorebased generated palaeontologic data until the JANUS palaeontological database is implemented on the ship, which is scheduled for Leg 168. The panel recommends, as a stopgap measure, that copies of the Fossilist program and instruction book be made available to all shipboard palaeontologists prior to their cruise. (none against)