

Draft Minutes of the Fall IHP Meeting
September 18-22, 1995
Kona, Hawaii

IHP Paleontology and Stratigraphy Subcommittee - September 18-19, 1995

Members:

William Riedel (Chair)
Warner Bruckmann
Brian Huber
Teruaki Ishii
Carla Moore

Guests:

Gregg Blake
Jennifer Hall
John Saunders
Volkhard Speiss
Philip Weaver

Information Handling Panel - September 20-22, 1995

Members:

Warner Bruckmann
Patricia Fryer (Chair)
Graham Glenn
Brian Huber
Teruaki Ishii
Michael Loughridge
Bjorn Malmgren
Patrick Diver
Gilbert Maudire
Carla Moore
William Riedel
Henry Spall
Geoff Wadge
Lynn Watney
Roy Wilkens

Liaisons:

Kevin Brown (SMP)
Ann Klaus (ODP Pubs)
Russ Merrill (ODP CS)
Mary Reagan (BRG)
William Sager (PCOM)

Guests:

Gregg Blake
Jennifer Hall
John Matthews
John Saunders
Volkhard Speiss
Philip Weaver

I. WEDNESDAY MORNING, SEPTEMBER 20, 1995

A. Introductions (new members noted)

B. Review of Minutes of the March 1994 IHP meeting. A comment was made regarding the lack of the usual appendices from the various liaisons to the panel. The Chair responded that these were deleted in the interest of reducing the length of the minutes. The minutes were approved, but a suggestion was made that the appendices accompany future minutes. The Chair agreed to provide them.

C. Paleo-group report - Riedel (See Appendix 1)

1. MRC advertisement brought about some expressions of interest, but only one formal proposal, from LDEO. The subcommittee felt need for listserver to keep MRC's in touch. Carla Moore offered to make a home page for this purpose.

ACTION ITEM 1. Carla Moore to establish a Listserver for the MRC's

2. Electronic publication - need to have results that have bearing on nomenclature printed for archival status (electronic to ephemeral)

3. Relaxation of plate restrictions. Encourage paleontologists to record plates on CD, even if not appearing in print

4. Nanno CD (Wise) finished

5. Janus Paleo User Group report

- a. Fossilist was abandoned on recent high recovery leg in favor of Excel spreadsheet; obviously having problems
- b. portability? paleontologists need to use same program on shore as on ship. Possibility to get Janus interface for scientists to take home Russ says personal copy (educational discount) will be about \$750. Operating on client/server may not be OK owing to response time
- c. Concern about not having enough users to try it out before it is finished. Russ says it will have to be done by network because don't have budget for more than one user group meeting in CS

6. Ocean Drilling Stratigraphic Network (ODSN)

- a. substantial progress; groups have gotten together and planned workshop for Dec 1995 to develop full blown proposal and set up work plan.
- b. some remaining questions? How to relate to ODP database? How to make contributions citable so that authors have incentive?

7. MRC discussion. Basel curator wanted to make reference section with very close sampling. Probably too much for splitting 8 ways. Saunders suggests that reference sections be developed at individual MRC. The sampling strategy for the Micropaleontological Reference Collections used until now has been appropriate; higher-resolution sampling would deplete the cores excessively. MRC curators should be more proactive in acquiring "private" collections on which high-resolution studies were based.

8. Riedel suggested that the panel should have a listserv or homepage for IHP business. And why not also for other panels. Would increase reaction time. Russ Merrill says that can do it for IHP and we should recommend same for other panels.

ACTION ITEM 2. Establish a listserv for IHP on the ODP home page with hypertext links to other appropriate listservers. Russ Merrill will do this.

D. Action Items from last meeting

1. Smithsonian - letter from Patty sent (display of ODP samples)
2. Basel - letter from Patty sent (support for MRC)
3. Contents of IR - suggestion from Ann Klaus to be discussed in detail in the afternoon

II. WEDNESDAY AFTERNOON

A. PCOM report (details in Appendix 2)

Sager noted that the SR was nearly discontinued as a consequence of EXCOM action despite the recommendation of PCOM. The IHP is concerned that actions of this sort can take place without due deliberation and stresses the need for a carefully thought-out approach to modifications in publications policy.

B. Motion to Change Publication Policy - Sager

1. Main point is to allow authors to publish outside at will -no moratorium (see motion below under "**** SR Policy Changes ****")
2. Discussion
 - a. a journal would be better; but a journal would have to have a significant rejection rate to get rid of gray literature stigma
 - b. feeling that no moratorium would take good papers from volume and make volume "grayer" - eventually no good need
3. Comments (each member and guest was given a chance to voice an opinion of the proposed changes in ODP publication policy and the prospect of a "Journal of the ODP" vs publication in the open literature as an alternative to the SR)

- a. Huber. OK. Not worried about grayer problem. Likes both recommendations. Does not like ODP journal. Likes idea of having more pubs in outside literature. Likes longer deadline.
- b. Ishii. No comment now.
- c. Diver. Sees arguments both ways.
- d. Loughridge. Likes both motions. Avoids precipitous change. Still concerned about impact on databases. Concerned about protecting the interests of shipboard party.
- e. Watney. In favor of both items in motion. Journal idea has merits. Might allow thematic papers after traditional deadline has past
- f. Wilkens. OK with both. Likes outside publication. Think journal would be gray as well.
- g. Bruckman. Likes idea of outside publication. Does not favor relaxing the submission deadline. Include outside papers on CD or reprint.
- h. Malmgren. Likes deadline OK, but does not like letting good papers get out.
- i. Spall. Don't relax submission deadline. Would rather leave policy as is. Too close to 1998. USGS pubs are also gray lit., so they tried journal, but did not work. Likes idea of overall ERB.
- j. Spiess. In favor of both items. Does not see way to get around gray literature perception. Does not like journal idea. Afraid will have bad effect on service science, like stratigraphy.
- k. Regan (BRG). LDEO logging scientists complain about gray literature perception hurting them in promotion. Does not like idea of having articles scattered around.
- l. Moore (NGDC). Thinks reasonable compromise. Wants to keep data and service results for long term archive
- m. Maudire. In favor of both motions, but thinks that it does not go far enough. Thinks should stop publication entirely.
- n. Glenn. Thinks OK.
- o. Riedel. Highly desirable to have outside pubs on CD. Main reason for SR is to have all info in one place.
- p. Saunders. Need leg volume. Is afraid that stratigraphic coverage will suffer. Journal would still be gray.
- q. Weaver. Worried about people publishing right off ship. Suggest delay so people can make sure data is OK. SR should contain all papers for compendium. Notes ERB not set up until 6 months post
- r. MacLeod. Thinks journal is better than having no SR at all. Does not think journal would be OK. Don't think one should publish before IR volume published. Too much potential for conflict. Publish reprints of papers in the SR volume. External papers should go through ERB.
- s. Klaus. Responses to Pubsubcom said that sentiment not in favor of abolishing SR. Remember SR not same mission as JGR.

4. Patty Fryer's synopsis:

- a. keep SR volume in some form
- b. concern about publication timing

5. Subcommittee: Sager, MacLeod, Fryer, Spall to write recommendation

B. CD demo - John Matthews - Geol Surv Canada

- 1. Geol Surv Can did a drilling project and felt that a simple book would not be good enough. Went to CD publication.
- 2. Centerpiece is interactive, multimedia part of CD that has links to reports and data, but no direct length of data and reports
- 3. Built by 3-4 scientists, a few summer students, a programmer to help with scripting

C. Publications - Klaus (see Appendix 3)

- 1. Staff changes - Klaus director of Publications
- 2. trying to get several books out this FY
- 3. credit card account recommended for non-US scientists purchasing data

D. Electronic Publishing - Klaus for Hall

- 1. Process - still very traditional; process still nearly same up to print stage
- 2. Many plusses, but there are some negatives:

- a. additional costs to publishers if material is to be prepared for several platforms; transfers not yet easy
 - b. concerns about life-span
 - c. CD may become obsolete
 - d. some libraries do not have CD
3. Requirements & realities
- a. paginate CD material same as in book - using frame maker
 - b. hyperlinks - useful but take time to build
 - c. scanning photos and figures takes time and requires large storage capacity
 - d. budget constraints do not allow three products to be made
 - e. Acrobat papers not now accessible on internet; Acrobat files are larger and more unwieldy
 - f. uncertain acceptance of CD articles for advancement
 - g. figures must be in linked pdf files because combining figures and text makes files too large and unwieldy
4. Scanning problem - ODP needs \$100 barrel scanner to scan core photos - best way to photo still to use film, then digitize film
5. Define new instructions for final manuscript submission
6. Update instructions for authors
- a. ODP style
 - b. formats for figures, tables, range charts
 - c. reference style
7. IR draft format -
- a. modular approach
 - b. synthesis approach
 - c. scientists write site summary sections following completion of each site
 - d. page limits will be set for material to fit in book
 - e. Exact limits worked out by co-chiefs
 - f. Frontispiece - site map (doesn't count against page count)
 - g. 100 printed pages - text
 - 1) Intro and Principal Results
 - 2) Site Survey papers (optional)
 - 3) Site summary chapters
 - h. Prime data - 200 printed pages
 - 1) coring summary tables
 - 2) barrel sheets and whole core photos
 - i. CD-ROM
 - 1) Explanatory notes
 - 2) supplemental material for site surveys (optional)
 - 3) site summary supplemental material (optional)
 - 4) prime data: smear slide tables, thin-section descriptions, color core photos
 - 5) material prepared on ship will be processed "as is" if the scientific party makes no changes at post-cruise meeting
 - 6) layout will be complementary to book and paginated
 - 7) electronic files containing figures will be linked to callouts in text
 - j. Book: shipboard party responsibilities
 - 1) recommended font - helvetica
 - 2) list figure captions at the end of text files
 - 3) use only ODP supported software
 - 4) print hard copies of all figures

D. Ann Klaus requests IHP decision whether it is OK for someone to put out paper pre-print on WWW?

- a. consensus of the IHP is that such action is OK provided the manuscript is released after it is submitted to the ERB
- b. Question was raised regarding papers that contain information from the IR volume? The IHP recommends that papers be sent through ERB for approval; Russ Merrill says we can put papers on ODP home page

E. Schaaf & Therow - published data from Santa Barbara 8 months before book came out; seems innocent mistake by grad student Schaaf, but it is the opinion of the IHP that Therow should have known better. The panel accepted the letter of apology provided by the authors.

III. THURSDAY MORNING SEPTEMBER 21, 1995

A. Kevin Brown - core description workshop recommendations:

1. Contain excessive sideways expansion in user groups 1-4b so the basic framework is completed for groups 4b and 5 within the Tracor contract period. Must have the basic Janus framework in place to build upon.
2. Extend the six month development window designated for groups 4b and 5 in order to test available cad/cam program for the core description entry process and verify their ability to deal effectively with imported digital images
3. Because of the commonality of many of the basic types of observation, Groups 4a and 5 must initially meet together to plan a common core description template. The groups can then put together their own individualized templates once they have a common baseline
4. Funds must be found to assess the prospect for and implementation of the collection and importation of images collected via a scanner or digital camera
5. Discussion on panel about Tracor strat program development priorities
6. Russ Merrill asks for definition of stratigraphic data for discussion with user group

B. IR contents

1. The IHP discussed Ann Klaus' suggestions for the IR volume and after minor modifications recommends accepting the following:

IHP RECOMMENDATION TO PCOM:

***** Proposed New Initial Reports Format *****

(Based on proposed plan for Leg 164)

Preliminary Report:

- * Use the ~10-printed page (~32 manuscript pages) section "Introduction and Principal Results" from the Initial Reports as the Preliminary Report.
- * Science Operations recommends that PR no longer include the "Operations and Technical Reports" section but that it retain:
 - a. Site summary information table (from Operations Report)
 - b. Table with number of samples processed (from Technical Report)
 - c. Where relevant to the scientific results (e.g. CORKs, LWD, VSP, etc.), details of operations can be summarized in the "Introductions and Principal Results."
- * Publish PR on the World Wide Web. Hard copies will be distributed upon request to individuals who can't access Internet.

Initial Reports Book and CD-ROM Contents

Organization of book and CD-ROM material:

- * Scientists will be required to write site summary sections following completion of each site.
- * They will be given a page limit for material that will appear in the printed volume and be limited to 1 or 2 figures or tables. Exact limits will be worked out by Co-Chiefs and Staff Scientist and may vary from speciality to speciality, as well as site by site. For Leg 164, Science Operations estimates that for each site summary chapter, each speciality (B through K in list below) will have an average of 4.5 double-spaced (including figures and tables).
- * Additional tables and figures can be referred to in the printed text and will be placed in the "Supplementary Material" section located on the CD-ROM. [Note: 1 typeset page = approx. 4 double-spaced pages, Times, 11 pt.]
- * For Leg 164, Science Operations assumes that the first 3 sites, all of which are very short holes, will be combined into 1 chapter.

Book: 100-page printed material

Frontispiece: Front side - site map.

Back side - available for additional material to be decided upon by Shipboard Party.

(Note: The Frontispiece does not count as part of the 100 pages, it is considered as part of the standard front matter for each volume)

I. Introduction and Principal Results (~10 typeset page synthesis)

II. (Site Survey paper - always peer-reviewed) optional

III. Site Summary Chapters

- A. Principal Results
- B. Lithostratigraphy
- C. Biostratigraphy
- D. Paleomagnetism
- E. Physical Properties
- F. Inorganic Geochemistry
- G. Organic Geochemistry
- H. Logging
- I. In situ Temperature
- J. Geophysics
- K. Downhole Water Sampling, etc.

* The 100-page "book" material will be reproduced on the CD in a viewing program.

* The layout and page numbers will be identical in both versions.

* If possible, all hypelinks in CD version will be indicated by a special marking in printed version so that the printed version will advertise the contents of the CD.

Book: Prime data (~200 pages)

I. Coring summary tables (see sample of new format).

II. Barrel sheets and whole-core photos (approximately 2 per page).

III. Thin section descriptions

* The prime data material will be reproduced on the CD in a viewing program.

* The layout and page numbers will be identical in both versions.

* Prime data material will be organized by site, not by data type.

CD-ROM:

The CD material, called the Supplementary Material Section, will contain text, tables, figures, close-up photographs, photomicrographs, etc.

I. Explanatory Notes

II. (Supplemental material for Site Survey paper) optional

III. Site Summary Supplementary Material

- A. Operations Report (contains mostly text, unlike all of the following sections)
- B. Lithostratigraphy
- C. Biostratigraphy
- D. Paleomagnetism
- E. Physical Properties
- F. Inorganic Geochemistry
- G. Organic Geochemistry
- H. Logging
- I. In situ Temperature
- J. Geophysics
- K. Downhole Water Sampling, etc.

IV. Prime Data: Smear-slide tables

* Material prepared on the ship for the CD-ROM will be processed "as is" if the scientific party doesn't make changes by the end of the first post-cruise meeting.

* Publications will format all Supplementary Material that will be produced only on the CD-ROM.

The files will be saved into a viewing program using a layout that is complementary to that used in the book. All CD material will be paginated so that it can be referenced.

* Electronic files containing figures will be linked to callouts in text.

- * Figures and tables that appear in the "book" section should be reproduced in the CD-ROM "Appendix" sections. Since the figures will be located in separate files from the text, we hope to be able to link the callouts in both sections to the same figure.
- * Post-cruise processed logging data will only be published on the CD.
- * QuickTime movies and digital video may be considered for the CD-ROM (space may be a limiting factor).

Formatting Styles Text:

Book and CD-ROM

Shipboard Party responsibilities:

- * Software: WordPerfect
- * Fonts: Times
- * Codes:

The PCOM subcommittee agreed that the Shipboard Party would be responsible for inserting simple formatting codes in the text for both the book and the CD-ROM materials. Science Operations strongly urges us to omit this requirement for fear of a negative response by scientists. They say scientists will resent doing clerical work and that it will result in bad PR for the new format and for ODP.

These codes will guide the typesetters when they format the material.

Bold, italics, superscript and subscript- use standard word-processing commands.

Heads- Order 1 = [1], Order 2 = [2], Order 3 = [3], Order 4 = [4],

Title [T], Authorship [A], etc. (see samples)

- * To calculate the approximate number of typeset pages: 1 typeset page = 4 pages 11 pt., Times, double spaced, 0.75-inch top and bottom margins.
- * Convert Mac-formatted files to WordPerfect 5.1 format for export to PC if possible. If not, this will be done after the cruise by Publications.

Figures:

Book

Shipboard Party responsibilities:

- * Recommended font for type on figures: Helvetica.
- * List figure captions at the end of the text files.
- * Save all electronic figures using ODP supported software programs.
- * Print hard copies of all figures (electronic and drafted figures, seismic lines, etc.).

ODP Pubs responsibilities:

- * Whole core photos, close-up photos, and photomicrographs will be scanned at ODP.
- * Electronic figures will be formatted by Publications staff according to ODP style guidelines.
- * Seismic lines or other large-format figures will be pasted up by hand to meet ODP style guidelines and shot at the printer.
- * Hand-drafted figures will be scanned, or pasted up by hand to meet ODP style guidelines.

CD-ROM

Shipboard Party responsibilities:

- * All figure material, except whole core photos, must be submitted to ODP in electronic format.
- * Figures must be formatted to fit on 8.5 x 11' paper (portrait orientation required/preferred). Figures may be more than one page long; figures will only be viewable one page at a time.
- * Captions should be placed above the body of the figures (in the same files).
- * Whole-core photos will be taken by shipboard photographer.
- * Final figure format should be either (1) ready for scanning on shore (e.g., paste-up with scale bar and annotation) or (2) electronic file scanned on ship at 72 dpi with overlaid annotation and scale bar.
- * Electronic figures should be saved in programs supported by ODP (Canvas, McDraw II, Adobe Illustrator, KaleidaGraph, Photoshop)
- * Pertinent sections of seismic lines must be scanned on ship.
- * Hand-drafted figures must be scanned on ship.

ODP responsibilities:

- * Whole core photos, higher-quality versions of close-up photos, and photomicrographs will be scanned at ODP. (Scientists will scan the close-up photos on the ship as the first step in creating the rest of the figure. We will re-scan the photos at a higher quality and place the scanned image

into the scientists' figures.)

* Electronic versions of all figures will be imported into FrameMaker or to Acrobat PDF files.

Tables:

Book and CD-ROM

Shipboard Party responsibilities:

* Produce tables in Microsoft Excel or WordPerfect.

* Insert table caption above the body of the table and footnote below body of table (in the same file).

** \$ Codes: The Shipboard Party will be responsible for inserting simple formatting codes in the text for both the book and the CD-ROM materials. These codes will guide the typesetters when they format the material. (Note Science Operation's objection to the insertion of codes on the ship [above].)

Bold, italics, superscript and subscript- use standard word-processing commands.

Caption = [C], Footnote = [F] (see samples)

* To calculate the approximate number of typeset text pages: 1 typeset page = 4 pages 11 pt., Times, double spaced, 0.75-inch top and bottom margins.

* Convert Mac-formatted files to WordPerfect 5.1 format for export to PC.

ODP Pubs responsibilities:

* Tables will be converted into FrameMaker and typeset according to ODP style.

2. A question was raised whether se should drop core photos; Weaver says such small photographs are of little use. But others say they should be retained for archival purposes

C. Several questions were raised by the publications staff and requests to IHP for endorsement of minor changes resulted in the following

1. The IHP recommends raising prices on volumes to \$60
2. The IHP recommends sending 200 reduction in print run to other places, rather than cutting
3. The IHP recommends purchase of barrel scanner (\$100k) for electronic publication of cores

D. With regard to the SR volume policy changes the following recommendation is forwarded:

IHP RECOMMENDATION TO PCOM:

*****SR Policy changes*****

IHP reaffirms its support for continuation of the Scientific Results (SR) volume for reasons stated in the minutes of the March 1995 meeting and in PCOM motion 95-XXX. Although IHP is concerned that significant changes in publications policy may have unintended negative consequences for the volume, the panel favors such changes if they are necessary to preserve the volume.

The PCOM draft motion from the August 1995 meeting recommended two significant changes in publication policy: (1) removal of the requirement that a scientist participating in a leg must publish in the SR volume and (2) a lengthening of the manuscript submission deadline by six months (to 24 months post cruise). IHP does not support the lengthening of the deadline, believing that the current deadline allows sufficient time for a scientist to obtain initial scientific results after a leg. The panel notes that PCOM has already lengthened the publications process by 6 weeks.

IHP supports the removal of the requirement that shipboard participants publish in the SR volume as a way of increasing the number of articles in the outside literature and of defusing complaints by those scientists who believe that publication in the SR volume is not in their best interest. However the IHP maintains that shipboard participants be expected to publish results of their efforts as a criterion for performance as a participant in the Leg. In response to the PCOM draft motion, IHP recommends the publications policy be modified in the following ways.

1. Until the second post-cruise meeting (approximately 10-12 months post-cruise) the policy will remain unchanged. That is, a scientist may publish an article in the outside literature with approval of the co-chief scientists and the scientific party. This policy is deemed necessary to protect the interests of the scientific party.

2. After the second post-cruise meeting, a scientist is free to publish in the outside literature provided a copy of the manuscript is sent to ODP to be disseminated to the Leg Editorial Review Board. The article that is submitted to fulfill the publication requirement must be written in English. This will aid co-chiefs in making a synthesis and allow the information to be disseminated to the remainder of the scientific party.

3. A scientist's contribution will be considered the submission of a reviewable manuscript either to the SR volume or to another refereed journal. This means that a scientist need not submit an article to the SR volume. In order to assure timeliness, IHP recommends that to fulfill the requirement to publish, the scientist must have submitted an article by the time that the SR volume closes. In other words, if a scientist does not submit an article to the SR volume by its submission deadline or an article to another journal by the SR volume closing (when the ERB is disbanded, approximately 24 months post-cruise), that scientist shall be deemed a non-performer. For archival purposes, the scientist is required to inform ODP of the acceptance and publication of articles in other journals as well as sending an English abstract. It is envisioned by the panel bibliography of these articles, including abstracts, will be published in the paper part of the SR volume. If the article is published prior to the closing of the SR volume, then the scientist is required to send a reprint of the article. If permitted by resource constraints, the article will be included on the volume's CD-ROM.

E. BRG Report (full report is given in Appendix 4)

1. Debbie Barnes has left the BRG. The IHP is very grateful to Debbie for her contributions as liaison to the IHP from the BRG over the years, and wishes her well in her new job.
2. Mary Regan became project manager
3. The BRG is pursuing efforts to get the logging data online

F. Security of data

1. To make it possible to get rid of last cruise's data before next cruise means extra work for Tracor. Normally, data would be gone for security reasons. An effort on Tracor's part will be required in order to maintain the security of the Leg data. IHP recommends the policy remain intact and asks Russ Merrill to take the issue to Tracor.

G. Curatorial Report (a full report is given in Appendix 5)

1. gassy cores.
2. sample and data distribution policy changes - Russ Merrill has updated with small changes
 - a. question about data being put into data base
 - b. Russ Merrill asked whether he should deny sample requests because investigators have not sent in data? Most don't. The consensus of the IHP was that he should not deny the request on that basis alone.
 - c. Russ Merrill asked whether requests from industry scientists who probably won't publish should be granted? The consensus of the IHP in response is that requests for samples for the purpose of generating a dataset that will be provided to ODP must include a statement of the potential value of the results to the ODP database. It is expected that a coherent dataset will be produced covering all of the samples requested.
3. PCOM asked Russ Merrill to have all underway data to ODP databank ASAP after cruise. Now LDEO databank is an exception to the moratorium rules and LDEO databank is now in charge of moratorium. The consensus of the IHP is that the current moratorium rules must be followed and no data may be released from a given set of Leg data for 12 months post cruise.

PCOM RECOMMENDATION: The IHP recommends to the PCOM that they instruct the ODP LDEO databank managers that the ODP moratorium on release of all Leg data for 12 months post-cruise must be upheld.

H. Database commonality meeting - Watney

1. proposal to JOI to hold workshop discussing common features of geological databases including Janus. JOI recommends doing so after the Janus project is finished.

2. Watney suggested we explore this commonality meeting later and in the interim it could be discussed in the context of other groups like those interested in the Stratigraphic Database Center Workshop in Germany in December.

I. Stratigraphic Database Center, International Workshop - Spiess

1. upcoming workshop to be held in Germany in December to help focus scientific effort and figure out how to go about establishing the database center
2. database links to ODP via internet; possible European Janus mirror site
3. need quality control, so perhaps have a 'data review' to establish that data is good quality

IV. THURSDAY AFTERNOON, SEPTEMBER 21, 1995

A. Revisions to the sample policy to include data were presented by Russ Merrill and accepted by the panel.

B. MRC. If we have a home page, do we need to continue brochure. Saunders says no.

C. Update on Janus Steering committee (see Appendix 6)

1. At meeting in April, problems with communication, priorities between SC and TAMU
2. Since reorganization, things have gone smoothly; Tracor working well with SC
3. First deliverable was supposed to happen in mid-Sept, but was not met. However, SC was very pleased with progress and said to go forward
4. Next big test is Leg 165 and whether system will work
5. Discussion about paleo database
 - a. fear of Fossilist (can't please everyone)
 - b. can you get reports out? Russ says output is lower priority than input; Tracor plans to do it, but later
6. Concern about deliverables being done on time
7. Concern about input from working groups. Is it good enough? Can users actually use the software. Can't gain access over internet from great distance (problem for international partners)

D. Database Group

1. Considerable turnover
2. Joan Perry departed; John Coyne departed
3. Lisa Patton (programmer left); now have 2 new C++ programmers
4. Have Labview programmer

E. Janus

1. working groups coming on line; some already in play, some yet to start
2. UG2A; 2B; 4A; 4B all meeting later this fall
3. spending on track
4. Demo

F. Co-chiefs - request Phil Weaver, Leg 157

G. Next Meeting - College Station; 25-29 March

H. Executive session

1. Fryer explained issue of the concern expressed in a letter by Tim Francis regarding the practise of holding Executive Sessions.
2. Sager told the panel that PCOM stopped short of banning the practice, but that it was discouraged
3. The consensus of the panel was that executive sessions not be held as a regular agenda item, as has been the practice, but rather only when deemed necessary.

V. FRIDAY MORNING, SEPTEMBER 22, 1995

A. Membership discussion

1. Fryer noted that she will have served for three years as of March 1996 and the panel should nominate a new chair. Fryer will contact the panel via email for nominees.
2. Members who mentioned that they intend to retire from the panel:
 Bill Riedel - the panel acknowledges Bill's desire to be set free from the responsibilities of panel membership, but requested that Bill remain on the panel until the Janus project has terminated. Bill agreed.
 Henry Spall - the panel likewise acknowledges Henry's desire to retire but requested that Henry remain on the panel until the new publications policies are enacted.
3. New members: Teru Ishii explained that Yoshiaki Aita was to be the new IHP member from Japan.
4. Regarding general criteria for membership :
 - a) length of rotation: the panel noted that the recommended 3 year rotation for the IHP is too short for effective contributions to the panel. It was agreed that it takes a new IHP member about 2 years before he or she is familiar enough with the issues of the panel and with its function to be able to contribute substantially. Thus the IHP recommends that the general tenure of the US participants be 4 to 5 years.
 - b) Co-chiefs are an important part of the panel thus the IHP requests that a recent co-chief be invited to join the panel. Phil Weaver, Leg 157 was at the meeting and was asked if he would be willing to join the panel if PCOM permits, he agreed.

IHP REQUEST to PCOM: That Phil Weaver, Co-Chief from Leg 157 be permitted to join the IHP as a regular member. Phil will send Fryer a CV prior to the December PCOM meeting.

- c) certain expertise is needed for the panel. This expertise changes with the activities of the ODP, but the IHP will always need expertise in publications (must be a scientist) and in database management.
- d) the panel recognizes the need to maintain a degree "corporate memory" of the panel without expanding the membership unduly, thus some individuals, or rotators who exchange on a regular basis, should be maintained on the panel.

APPENDIX 1

MINUTES OF THE MEETING OF THE PALEONTOLOGY/STRATIGRAPHY SUBCOMMITTEE OF THE IHP, 18-19 September 1995:

I. Micropaleontological Reference Collections (MRCs)

A. Response to advertisements announcing availability of sets of foraminiferal and radiolarian preparations:

- 1) Expressions of interest were received from:
 - a) Jonathan Aitchison, Dept. of Earth Sciences, University of Hong Kong (radiolarian set only)
 - b) P. Periakali, Dept. of Applied Geology, Univ. of Madras (foraminiferal set)
 - c) Charles D. Blome, USGS Denver (radiolarian set only)
 - d) Elspeth Urquhart, Dept. of Geological Sciences, University College, London (radiolarian set only)
 - e) M.V.S. Guptha, Geological Oceanography Division, National Institute of Oceanography, Dona Paula, Goa, India
- 2) "Mature" request: only from Lamont-Doherty (foraminifera only) -Brian Huber will request that Lamont commit not only to transferring the foram samples into vials, but also to providing student assistance for upgrading or maintaining the MRC foram database.
- 3) Collections available from Scripps (forams) and Lamont (rads); decision on transfer of these collections must await more mature proposals from interested institutions.

B. Listserv for MRCs

- 1) needed to keep MRC curators informed and to get their input on MRC issues
- 2) should set up both a Gopher and Web site (Web can be quite slow of overseas folks)
- 3) Carla Moore has offered to set this up at NGDC; MRC database could be added if sent in ASCII format

C. Sampling strategy of MRCs

- 1) past approach of broad, uniform coverage of greatest value for future
- 2) Michael Knappertsbusch prefers the approach of detailed sampling for regional standard reference sections
- 3) Knappertsbusch's database codes are incomplete; need biozone, stage/substage, preservation, abundance fields, esp. for Paleogene and Cretaceous
- 4) Volkhard Spiess says that a home-page for the Stratigraphic Data Network could be set up for WWW by about October, could query the community for information on any revised age control of cores; in a few years a large portion of the data will be accessible
- 5) ODP/TAMU has keyed in most the species-occurrence tables ("range charts") of sites up to about Leg 139, from the ODP proceedings
- 6) where there are several different generations of age determinations and/or zonal assignments, the source of each needs to be specified.

D. Palynology collection, at Aberystwyth

Need to find out what is happening, must contact Tocher.

E. California Academy of Sciences

- 1) Scripps transferred its diatom collection to the California Academy of Sciences,
- 2) keeping one of each pair of slides at Scripps.

F. Training

In order that less-experienced paleontologists may gain experience with material expected to be recovered on their particular leg, they (and their supervisors if appropriate) should be alerted to the desirability of consulting the pertinent collections at an MRC, and of putting together reference slides and a reprint collection covering stratigraphic intervals expected to be encountered on that leg.

II. Electronic Publication as it bears on paleontology/biostratigraphy.

A. Nomenclatural actions in electronic publication

- 1) International Code of Zoological Nomenclature appears to allow the legality of nomenclatural actions published on electronic media, however, it stresses the desirability of hard copy- "Authors are strongly urged to ensure that a new scientific name or nomenclatural act is first published in a work produced on paper"
- 2) In compliance with the above recommendation, we strongly urge that ODP includes, in every article published on CD-ROM or the WWW, a statement to the effect that "biological names or acts in it are not for nomenclatural purposes, i.e. they are not published within the meaning of the International Code of Zoological (or Botanical) Nomenclature". Paleontologists contributing to ODP proceedings will need to be made aware that nomenclatural actions will have no effective validity unless they are published on paper. This will normally apply to only very small portions of paleontological papers.

B. Plate Limitations:

Suggested changes regarding limitations on allowable numbers of plates, as they affect paleontologists/stratigraphers:

- 1) we would welcome a relaxation of the current limit of five printed plates per paper. It seems appropriate at this time to abandon the present IHP-mandated, ODP-imposed limit, and to allow the scientific parties and editorial review boards to work out how they wish to use the 500 pages allowed them for each Scientific Results volume.
- 2) all participants should be alerted to the option of putting additional illustrations onto the CD-ROM version of the SR volume, if these would help clarify the concept being associated by a particular author with a species name

III. Illustrated paleontological reference works on CD-ROM.

A. Nannofossil CD-ROM: Riedel brought for demonstration the nannofossil reference, compiled by Woody Wise, implemented by Linda Tway, put on CD-ROM by Carla Moore, and now delivered to ODP and to the ship.

B. Foram Atlas: Brian Huber plans to complete his planktonic foraminiferal Paleocene Atlas by the end of 1996, Eocene-Oligocene Atlas and Neogene Atlas by 1998.

C. Radiolarian atlas in planning phase, in the form of a relational database in Access or Paradox.

IV. Paleo User Group Report.

Software for capturing paleontological data.

- 1) The program developed by ODP for capturing paleontological data (FossiList) is not popular with shipboard paleontologists, who on recent legs have abandoned it in favor of Excel spreadsheets. FossiList is due to be replaced by software to be developed by Tracor, using a Neuron Data tool. Therefore the paleo data software will take 6 months longer to complete than originally planned. It was originally envisaged that the large paleo user group would be provided with the paleo data entry module for testing, but it now seems uncertain whether this will be done.
- 2) Tracor stresses the difficulty of meeting our long-standing requirement that the paleodata entry package be capable of being taken by shipboard paleontologists to continue their work in their home labs. Carla Moore suggests that a paleo data entry module based on Personal Oracle could be a way out of the difficulty.
- 3) ODP will need to control the quality of paleo data that has undergone shore-lab revision, and to feed these revised data into the age-depth curves.
- 4) In the long run, it might prove desirable to make the Tracor-developed paleontologic/stratigraphic software available to the proposed Ocean Drilling Stratigraphic Network. Both ODP and ODSN might then benefit from the ease of exchanging revised interpretations such as age-depth curves. The issues of the use of Janus pal/strat software outside of ODP, user support, etc. need to be kept in mind as development progresses.

V. Recommendations regarding paleo data.

A. The shipboard data entry module: The module should have an interface more like an Excel spreadsheet, which would encounter less user resistance than the FossiList style.

B. A "portable" paleo data entry module: Such a module with appropriate look-up tables, is needed for post-cruise revision of paleodata by paleontologists in their home labs.

C. Neuron Data tool: In order that ODP have the capability of maintaining and servicing Janus software after the end of the Tracor contract, ODP needs now to have someone conversant with the Neuron Data tool interacting with Tracor.

D. User Groups: The large user groups would be an appropriate source of expertise and help in developing lookup tables for the paleo database.

VI. Ocean Drilling Stratigraphic Network

The pal/strat subcommittee had a preview and preliminary discussion of the Ocean Drilling Stratigraphic Network, which is described in an appendix to the IHP minutes. The subcommittee strongly supports this development.