

Notes for the Treatise of Invertebrate Paleontology Subgroup meeting, June 8, 2009, Washington DC.

Steve Cairns.

On June 18, a subset of the EOL-sponsored workshop on coral evolution and classification met for a morning session. The following people were present: Baron-Szabo, Budd, Cairns (moderator), Darrell, Gittenberger, Hardesty (representing the TIP), Hoeksema, Johnson, Klaus, Lathuiliere, Pichon, Rhodes, Roniewicz, Rosen, Stanley, Stemann, Stolarski, and Wallace.

First on the agenda, Jarek Stolarski reported on the progress of volume 1, which concerns the morphology, biology, and classification part of the Treatise. Now that certain morphological issues have been resolved, he feels confident that authors of that volume will be able to formulate their contributions. Concerned about the homogeneity of illustrations for this volume, Jarek asked Jill Hardesty if funds would be available for an illustrator to make critical drawing for this volume. Jill indicated that this was a good possibility, as long as a budgeted proposal was submitted to the Treatise office explaining the need for this service. The bibliography was also discussed at this time, which currently is empty. Again Jill Hardesty said that if we individually send to her files of citations from Endnote or Procite, she would employ a Kansas University student starting in Fall 2009 to create a single bibliography. Barnard also mentioned the Mesozoic bibliography, which might be a starting point for our bibliography. Jill Hardesty also reminded us that color pages cost about \$500 per page, but less if arranged in signatures. Stolarski suggested that the text of volume 1 might be ready by the end of 2010.

We then discussed volume 2, the taxonomic volume, starting with a progress report from the five team leaders concerning the number of generic names their teams have entered into CoralloSphere and the composition of their teams (see attachment). Thus far, all 1636 names have been assigned to an editor, and about 750 names (or 45%) have been entered into CoralloSphere, although very few have associated images. Ultimately, it was suggested that we might need an illustration editor to arrange the various images into discrete figures, a service until recently accomplished by Treatise editors. It was noted that the 100 families also need to be assigned and added to CoralloSphere. Cairns volunteered to construct the data points necessary for a family account. Ken Johnson also explained the review procedure that each genus will be subjected to before it is considered worthy of being submitted to the TIP office. It was also suggested that CoralloSphere entry guideline be loaded onto CoralloSphere, to help first time users. Essentially such a guide was circulated by Cairns last year, which can be modified and put in the system.

After a short break, TIP editor Jill Hardesty reviewed the four other volumes now in progress, concluding that ours was one of the more advanced in that we are using a web-based entry format for the generic accounts, i.e. CoralloSphere. Rosemarie asked Jill if money was available for travel to museums to examine types, and Jill responded in the affirmative, asking that individual proposals be routed through the four co-coordinating

editors of the group.

A set of deadlines was proposed by Cairns for the next three phases of volume 2: drafts of all genera by December 2009, images of all genera by June 2010, and all genera reviewed by the end of 2010, coincident with the anticipated completion of volume 1. However, it was pointed out by Hardesty, that volume 2 could be published independent of volume 1, and even prior to volume 1. These deadlines may be optimistic, but little discussion ensued, except to suggest that another joint meeting be held soon in order to code taxa.

After lunch, George Stanley presented the options for the reporting of geographic and stratigraphic ranges for the genera, discussing the standard narrative protocol characteristic of the TIP; a slightly more codified protocol based on drop down menus for age and coarse localities, which would be more appropriate for Corallosphere; and a third more highly detailed mapping of all occurrences, which would correlate to plate boundaries over time and thus be more geologically meaningful. No decisions were made about which system(s) to use.

## Summary: June 2009

The 1956 Treatise covered 33 families, and 1022 generic and subgeneric names: 478 valid, 491 junior synonyms or homonyms, 21 of uncertain position, 14 unrecognizable, and 18 invalid. We will be including 100 families and about 1636 names.

	Names assigned	Text done	Figures done
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### **Cenozoic and Recent Azooxanthellates (Team leader: Cairns), 291 names**

Cairns	184	184	~40
Stolarski	61	0	
Szabo	18	?	
Budd	18	0	
Roniewicz	2	0	

### **Cenozoic and Recent Zooxanthellates (Team leader: Budd), 415 names**

Budd	~149	0	
Benzoni	56	1	
Hoeksema	35	?	
Wallace	24	?	
Stemann	51	?	
Cairns	2	2	
Klaus	12	?	
Pichon	18+	?	
Lathuiliere	1	?	
Morsch	4	?	
Baron-Szabo	49	?	
Unassigned	16	0	

### **Cretaceous (Team leader: Szabo), 442 names**

Szabo	423	423	0
Cairns	16	16	
Stolarski	3	0	

### **Jurassic (Team leader: Lathuiliere), 353 names**

Lathuiliere	225	25	0
Martin Garin	1	0	
Morsch	5	0	
Olivier	1	0	
Panday	15	12	

Roniewicz	76	“some”
Stolarski	9	0
Szabo	21	?

**Triassic (Team leader: Roniewicz), 135 names**

Roniewicz	135	92	~2
Turnsek	?		
Morycowa	?		
Stanley	?		
<b>TOTALS:</b>	<b>1636</b>	<b>~754</b>	<b>~42</b>

**Proposed Deadlines**

18 June 2009	Now
31 December 2009	Finish first drafts of all 1636 genera
1 June 2010	Finish adding images; start review process, if not before
21 December 2010	Submit final to TIP