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Specialist Group News

Nanno News - updates from the TMS Nannofossil Group and the International Nannoplankton Association

Cherry Newsam & Mike McKnight & Jeremy Young

Recent Meetings

TMS Foraminifera and Nannofossil meeting June 2017

The TMS Foraminifera and Nannofossil meeting in Birmingham this year, co-hosted by Tom Dunkley-Jones, was a great success with a number of nanno oral and poster presentations. These notably included a keynote talk from Heather Stoll, which, despite being given via skype with background contributions from her family, was a fascinating into recent developments in coccolithophore physiology and its use in pCO₂ reconstructions. More generally there were a range of first class presentations on palaeoceanography which made the meeting really valuable for nannofossil specialists. We have wondered at times about the continuing value of the TMS nannofossil group focusing on this meeting when it has become more heavily dominated by foraminiferal studies. This year however we all felt it was really worthwhile and enjoyable. Next year will be slightly different since the triennial international Forams conference is being held in Edinburgh, so we are planning both to participate in a session at that conference and to host a separate more informal nanno workshop. - see below. A full report on the meeting can be found on page 25.

Future Meetings

INA16, Athens September 2017

INA16 is to be held from 24th to 28th September 2017 in Athens, Greece, hosted by Maria Triantaphyllou. The meeting will focus on Advanced Nannoplankton studies through Geological Time embraced with state-of-the art geobiological research incorporating coccolithophore taxonomy: bridging molecules and morphology, biodiversity and biogeography, paleobiology and evolutionary ecology; biocalcification and pelagic calcite production; and nannoplankton records and geobiology of critical intervals. Fieldtrips include a one day pre conference trip to the Corinth Canal and a post conference visit to Santorini.

TMS AGM 2017

The TMS AGM will be held at the Natural History Museum in London this year on the 15th-16th November. The theme of the meeting is 'Microfossils: A Deeper Understanding of Human

History' with presentations on Day 1 relating to this topic but with Day 2 having open sessions for any presentations related to micropalaeontology.

TMS Nanno Workshop 2018

We propose to hold a nannofossil workshop in March next year. If anyone has a topic that they would like this workshop to focus on please let a Nannofossil committee member know, or alternatively we are considering having this as a very open meeting with short presentations on current work or interests from as many participants as possible. We feel that providing an opportunity for as many UK-based (or visiting) nanno workers as possible to get together is a bit overdue so if you would value that approach again please let us know.

TMS Forum and Nanno meeting June 2018

This meeting will go ahead in Edinburgh in June in association with FORAMS18. The TMS Forum and Nanno meeting will be a separate one-day session within the main FORAMS18 conference and TMS members will be able to attend this session without registering for the full meeting. We are particularly keen to encourage students and early career researchers to present their nannofossil work at this meeting, and we also would recommend the meeting as a valuable opportunity to meet other micropalaeontologists work


Nannofossil Group Committee changes

Following the AGM in November Cherry will be stepping down as Nannofossil Group Chair and this position will be taken over by Sarah O'Dea. Mike McKnight will be continuing as group secretary.

The JNR, Nannotax and the Farinacci and Howe catalog

New issues of the Journal of Nannoplankton Research were published in November 2016 and April 2017, with eleven papers. These included description of some 30 new

species. All these taxa have been incorporated in the latest update to the Farinacci and Howe catalog of Calcareous Nannofossils and these should be live on the Nannotax website by the time of publication of the Newsletter. It should be explained, that the classic Farinacci Catalog of nannofossil has been revised, extended, and updated by Richard Howe and forms a key part of the Nannotax website. The update also includes numerous other recently described nannofossils from other publications. In parallel, content from these publications is also included in the main Nannotax database. We have also now completed scanning and PDF creation of all JNR back-issue articles containing systematic taxonomy and these are available on the INA website. Again all relevant content from them has been included on the Nannotax website.


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[Live & Cenozoic](#)
[Mesozoic](#)
[Calc-dinos+](#)
[Farinacci](#)
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Acadialithus

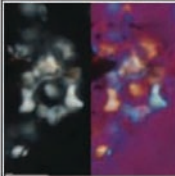
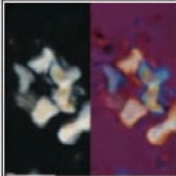
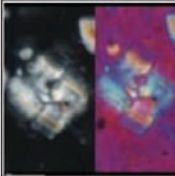
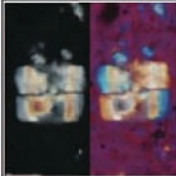
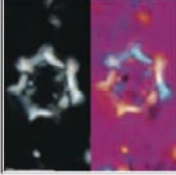
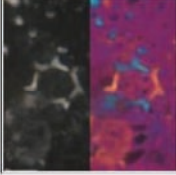
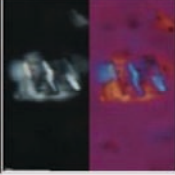
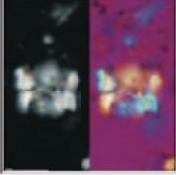
Ancestry: [Mesozoic](#) -> [Nannoliths inc sedis](#) -> [Nannoliths inc sed - radiate multielement](#) -> [Acadialithus](#)

Sister taxa: [Acadialithus](#), [Assipetra](#), [Hayesites](#), [Kokia](#), [Phosterolithus](#), [Polycostella](#), [Rucinolithus](#), [Tegulalithus](#),

Short diagnosis:

Squat tube-shaped nannoliths; wall formed of two vertically stacked cycles, with 6-7 elements per cycle; wide central opening; c-axes oblique

Daughter taxa (blue => in age window 0-300Ma)

				<i>Acadialithus dennei</i> <i>Acadialithus</i> with 6 elements in each wall cycle
				<i>Acadialithus valentinei</i> <i>Acadialithus</i> with 7 elements in each wall cycle

Acadialithus - one of the new taxa now incorporated on Nannotax.