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Comments regarding this Bulletin should be addressed to the IBA Secretary: catherine.reid@canterbury.ac.nz

Copies of the Bulletin are archived at the Natural History Museum London.

Further information at <http://www.bryozoa.net/iba/index.html>

PRESIDENT'S PAGE

As I already told you with great emotion in the conference room in Liberec, I am greatly honoured to be taking over as the new 18th IBA President after distinguished colleagues who followed one another in the history of our Association.

I was a young girl completely unaware of the very existence of bryozoans when the Association was founded in 1967 in Sweden. Born after the interest of a small group of researchers coming from a few countries, the IBA has been growing to date to include as much as 270 members representing nearly 50 nations from all continents, as documented in the IBA addresses list updated to April 2019. The IBA acts as a big family and occasions to meet each other and to share and discuss about our research and experiences with bryozoans increased during time with the addition of the Larwood and Australarwood meetings, held annually, to the consolidated IBA conferences held once every three years. Echoes of the last magnificent conference beautifully organised by Kamil Zagorsek and the University staff in Liberec less than 2 months ago are not yet finished, and I (surely all of us) am (are) already thinking of the next occasion to meet our friends at the Larwood meeting in September 2020 in northern Italy, and then in Israel, and even at next IBA conference in Brazil!

All these events offer us unparalleled opportunities for more and more collaborations that are developing between members. A special outcome has been the establishment of the task force (also associated with very big projects) involving researchers from all over the world, aiming at investigating relationships between species and to “rebuild” the systematics of the whole bryozoan group. The modern development of innovative techniques for molecular and DNA investigations, and the inclusion in the analysis (and in the phylogenetic tree) of as much as possible species belonging to as much as possible high taxa and originating from a wide range of habitats from widespread geographical areas, has allowed the achievement of some unthinkable results that have sometimes questioned our previous assumptions. I think that the construction of a reliable phylogeny and the effort for the identification and ranking of strong morphological characters (even of possible further, fine, still underexploited characters) supporting it represents one of the main challenge for present-day and near future bryozoologists.

What is promising is also the continued entry into the IBA of new generations (usually young but not only!) of motivated and active researchers fascinated by bryozoans and working on taxonomy and biodiversity but also investigating the morphology, physiology and behaviour of these organisms. More than others, these young researchers are involved with frontier studies with possible feedback on topics of general interest, such as global change and human impact.

So, we have work to be done in a wide range of fields and I am convinced that bryozoan studies can be used as tools for understanding processes and contribute ideas and hopefully indications for environmental management and future choices. The IBA can support and foster these researchers with communication and discussion.

After Liberec, we have a new Council and I would like to thank once more outgoing members and to welcome the new ones nominated for the 2019-2025 period. Abby Smith, Catherine Reid and Thomas Schwaha incomparably serve our Association maintaining their very key roles involving resource administration and internal and social communication, and saving documentation and the very IBA memory. But all of us can contribute with information, updates about personal and collaborative activities and questions promoting discussion. And, discussion on bryozoans is always interesting and wonderful for all of us.

Best wishes

Antonietta



PRESIDENT ELECT NOMINATION AND VOTE

At the Liberec IBA nominations were sought for IBA President Elect for 2022-2025, and have continued since. Despite a number of enquiries only one member has accepted their nomination, others declining for various reasons including respect of the worthiness of the accepted nomination. As a result we have only one nomination for President Elect and we seek your ratification of this nomination. You will receive a separate email with a link to an online anonymous vote.

Below is the supporting information from our nominee Caroline Buttler.

Catherine Reid, Antonietta Rosso and the IBA Council

CAROLINE BUTTLER

Current position – Head of Palaeontology, Amgueddfa Cymru - National Museum Wales, Cardiff, Wales.

Research interests

My research is focused primarily on Palaeozoic bryozoans, with particular emphasis on trepostome faunas. I am interested in the systematics and taxonomy of the group as well as their biogeography and ecology. Current projects include gastropod/bryozoan symbiosis and the ecology of the earliest bryozoans from China. I am also involved in the revision of the trepostome volume of the Treatise on Invertebrate Palaeontology.

Professional Activities related to the IBA

I have been a member of the IBA since 1986. I assisted with the IBA fieldtrip to Ireland in 1992 and the Dublin IBA in 2001, and was organiser of the 2018 Larwood meeting in Cardiff. I was co-editor of *Bryozoan Studies 2001*, conference volume of the Dublin IBA, and a member of Council from 2007 to 2013.

Other professional activities

I am currently vice-president of the *Palaeontological Association* and as a member of their Diversity Committee I helped to set up a mentoring programme with the aim to assist early career palaeontologists. In 2015 co-organised the *Palaeontological Association* annual conference in Cardiff with over 270 delegates. I am also at present vice-president of the Palaeontographical Society and an editor of the Proceedings of the Geologist's Association.

As Head of Palaeontology at Amgueddfa Cymru – National Museum Wales I manage the Mollusca section as well as the palaeontologists. As part of my museum role I undertake outreach events for natural sciences which include promoting the work of the department and our collections through social media.

Other comments regarding the IBA

IBA conferences are the professional meetings I look forward to and most enjoy. As a palaeontologist I find the interaction with biologists particularly valuable.

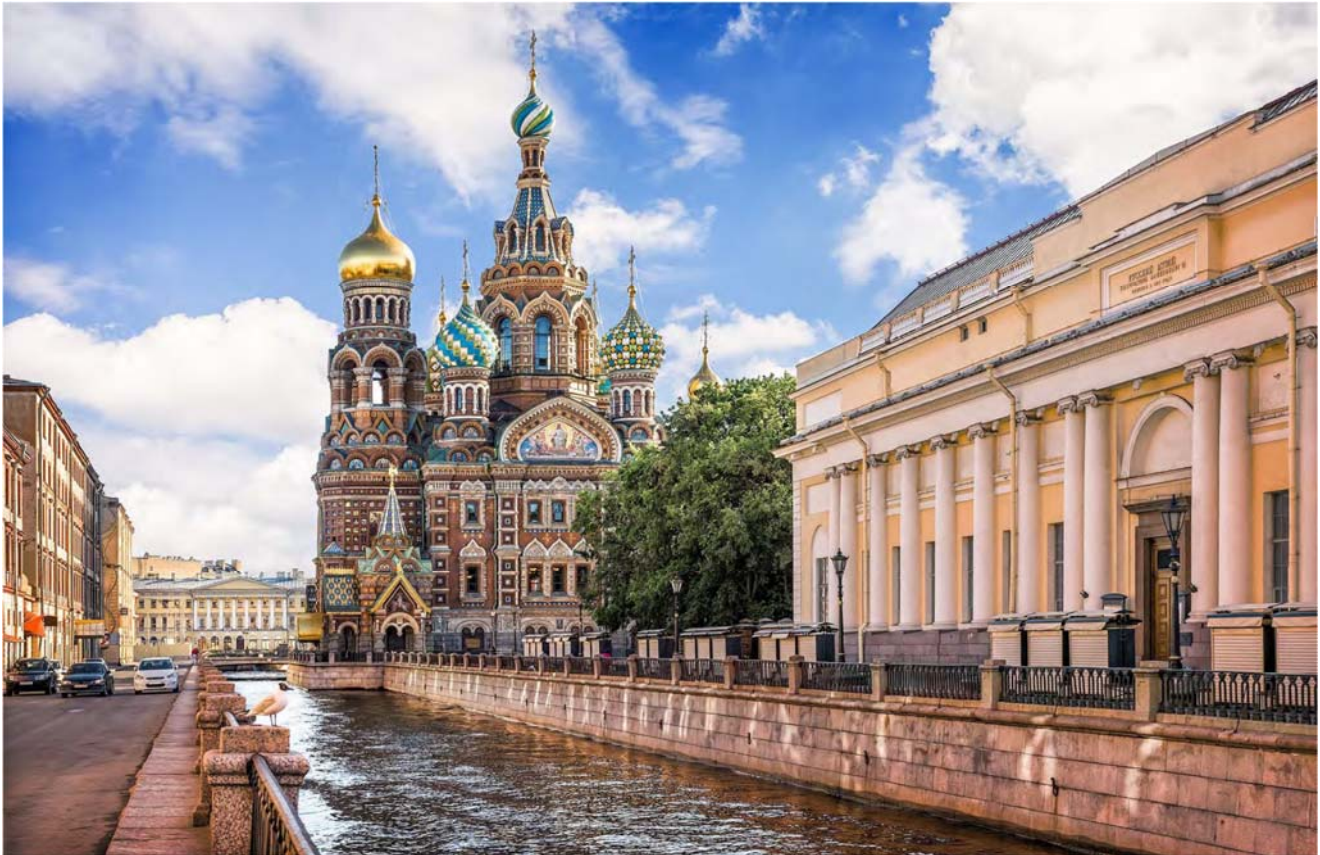
I believe that a key role of the Association is to help and support students and early career stage bryozoologists. The IBA travel grants scheme is an excellent way to enable students to get to our conferences in order to have a chance to present their work and begin to build up research networks. This year I was able to assist in gaining additional funding from the Palaeontological Association to support student travel. I think that it is important to keep looking for new initiatives such as in Liberec when new IBA members were scheduled within the first two days of the conference so we were introduced to them early in the week. I would also like to try to help the IBA promote itself and bring the understanding of bryozoans to a wider audience.

Caroline Buttler

2025 IBA MEETING LOCATION

A vote was held online for the location of the 2025 IBA, with submissions from Masato Hirose for a Tokyo area, Japan meeting and Andrey Ostrovsky for a St Petersburg, Russia meeting. The vote has previously been undertaken at an IBA meeting with voters comprising that year's attendees. This time an anonymous online membership wide vote was undertaken.

The voting was extremely close and by one vote the 2025 IBA meeting will be hosted by Andrey Ostrovsky in St Petersburg.



See you in 2025!



FROM THE TREASURER



International Bryozoology Association

2019-2022 Financial Support

Most of the work of the IBA is carried out electronically, so the IBA has no formal membership fees. But we still have expenses: website, postage, bank fees, prizes and travel awards. The IBA council makes awards to help support conference attendance and travel of students and scientists without institutional support. In 2016-2019, over 95% of our expenditure was on travel grants, bringing people to the IBA conference who could not otherwise attend.

In order to continue to support new bryozoologists, the IBA needs donations.

How to Donate Money to the IBA

Our accounts are currently held in New Zealand. Please make your donation in New Zealand dollars (equivalent to approx. 0.60 Euros or 0.70 USD) using a credit card (Visa or Mastercard only), by filling out the form below.

Name	
Email Address	
Card Type (tick one)	Visa _____ Mastercard _____
Card Number	
Expiry Date	
Donation Amount	New Zealand Dollars
Cardholder's Name	
Cardholder's Signature	
Receipt? (tick which kind)	Donation ____ Membership fees ____

Please email your completed form to the IBA Treasurer at abby.smith@otago.ac.nz. Or you can post it to Dr. Abigail Smith, Department of Marine Science, University of Otago, P.O. Box 56, Dunedin, New Zealand. Or fax to 64-3-479-8336. All of these methods are secure.

Electronic receipts will be sent by email. You can specify whether you would like the receipt to say "donation" or "membership fees." Deposits are usually made every few months, so there may be some processing delay.

If you have any questions about financial aspects of your membership, please contact the **Treasurer, Dr. Abigail Smith** – abby.smith@otago.ac.nz.

If you have any questions about membership or the IBA newsletter, please contact the **Secretary, Dr. Catherine Reid** -- catherine.reid@canterbury.ac.nz.

Thank you very much for your support.

NEW MEMBERS

Sebastian Decker - I was first introduced to the fascinating world of bryozoans during a marine biology course in Rovinj (Croatia) as part of my Bachelors in biology at the University of Vienna, five years ago. I immediately knew I want to work with bryozoans in the future and was very glad when Thomas Schwaha offered me the possibility to do my Master's thesis on an intriguing new ctenostome bryozoan from the Mediterranean Sea. Conveniently, I am also working at a marine biology station in Pula (Croatia) since five years, where I used every moment to observe the life cycle and life history of this new species, growing on leaves of the famous and endemic seagrass *Posidonia oceanica*. Since bryozoans are thriving in the Northern Adriatic Sea, I could not resist to spend a lot of time observing all kinds of bryozoans.

Back in Vienna, I also observed the neuro-muscular system of this new ctenostome species from the genus *Pherusella* with modern techniques such as confocal laser scanning microscopy and 3D-reconstruction.

I really enjoyed the conference in Liberec with all it's interesting talks as well as the friendly and welcoming atmosphere. I am very proud and delighted to be a member of the IBA now and I am looking forward to the next meetings and conferences.

decker-s@gmx.de



NEWS FROM THE MEMBERSHIP

Seabourne Rust (Northland, New Zealand) continues to slowly research and describe two fossil bryozoan faunas as spare time allows: the Late Eocene Bryozoa from the Oamaru district of North Otago (with Dennis Gordon & Daphne Lee); plus the diverse (>80 spp.) bryozoan fauna from the Early Miocene Waititi Formation of Hokianga, Northland (also with help from Dennis), see Rust (2019) in this publications list.

I thought you would enjoy this photo of some cool modern bryozoans encrusting sunglasses from the Hokianga Harbour – note how the concave, protected interior surfaces are preferred by the fouling species which include *Cryptosula*, *Fenestrulina*, *Antarctothoa*, *Manzonella* and a tubuliporid cyclostome. Could these be the new fashion trend?



ROGER J. CUFFEY PRESENTED WITH THE ALBERT NELSON MARQUIS LIFETIME ACHIEVEMENT AWARD

Dr. Cuffey has been endorsed by Marquis Who's Who as a leader in the fields of paleontology and higher education

STATE COLLEGE, Pa., March 22, 2019 — Marquis Who's Who, the world's premier publisher of biographical profiles, is proud to present Roger J. Cuffey, Ph.D., with the Albert Nelson Marquis Lifetime Achievement Award. An accomplished listee, Dr. Cuffey celebrates many years' experience in his professional network, and has been noted for achievements, leadership qualities, and the credentials and successes he has accrued in his field. As in all Marquis Who's Who biographical volumes, individuals profiled are selected on the basis of current reference value. Factors such as position, noteworthy accomplishments, visibility, and prominence in a field are all taken into account during the selection process.

Dr. Cuffey has been a professor emeritus of paleontology in the Department of Geosciences at Pennsylvania State University in University Park since 2007. Teaching on campus for 40 years, he was first hired in 1967 as an assistant professor before working his way up to full professor by 1979. Prior to his tenure in academia,

Dr. Cuffey, while serving in the military, was a geographic pathologist for the Armed Forces Institute of Pathology in Washington, D.C., from 1965 to 1967 and a geologist, paleontologist and stratigrapher for the Kansas Geological Survey in Lawrence in 1962.

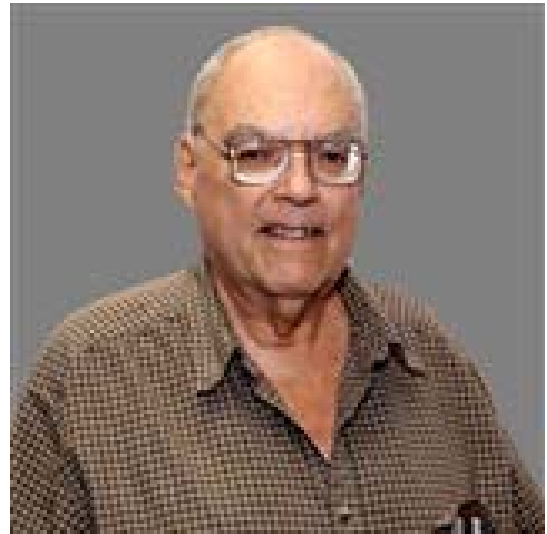
While teaching at Pennsylvania State University, Dr. Cuffey also served 10 years on the Treatise on Invertebrate Paleontology advisory committee at the University of Kansas in Lawrence between 1980 and 1990. He later became a visiting research professor at the Jiangnan Petroleum Institute, now part of Yangtze University, in Hubei, China, in 1997. Additionally, Dr. Cuffey has served on numerous committees and advisory boards and has participated at many national and international conferences throughout his career.

Dr. Cuffey has been responsible for the recognition and delineation of the roles played by ancient and modern bryozoans in reefs, reef-building and bryozoan evolutionary lineages. He has authored more than 300 articles and monographs in various scholarly journals throughout his career. Topics he has written about have included bryozoans in coral reefs, bryozoan-built reefs, fossil and modern bryozoans, vertebrates and paleoecology. Due to the huge impact Dr. Cuffey has made in the field, two fossil bryozoan species have been named in his honor: *Cuffeyella arachnoidea*, which is from the Late Ordovician strata, is about 450 million years old and of the Cincinnati region; and *Diplotrypa cuffeyi*, which is from the Middle Ordovician strata, is about 465 million years old and from the Canadian Arctic.

Outside of the classroom, Dr. Cuffey has mentored and advised many young students in the field of the sciences. He has given talks to area civic organizations on fossils, reefs and dinosaurs and has advised pharmaceutical regulatory agencies on calcareous fossils and industrial organizations concerning paleontologically oriented materials and issues. Dr. Cuffey has also evaluated properties, estates and public lands for paleontological resources for various organizations.

An elected fellow of the Geological Society of America since 1975, Dr. Cuffey maintains affiliation with a number of professional organizations in order to keep abreast of developments in his field. He is a longtime member and past president of the International Bryozoology Association and also holds membership with Paleontology Society, the Society of Vertebrate Paleontology and the Society for Sedimentary Geology. Dr. Cuffey notably served as a book review editor for the Paleontology Society's *Journal of Paleontology* between 1970 and 1975.

The recipient of a Bahamian Bryozoan Reef study grant through the National Science Foundation, a Woodrow Wilson national fellowship and several graduate fellowships through the National Science Foundation, Dr. Cuffey also received several awards for his career. Honored with a 1989 Outstanding Teaching Award from Pennsylvania State University, he also received a 2003 Owen Award from Indiana University and a 2003 Bellis Award from Pennsylvania State



University, among others. Dr. Cuffey has been cited in the second edition of Who's Who in Science and Engineering and the fourth edition of Who's Who in American Education.

Prior to embarking on his career, Dr. Cuffey earned a Bachelor of Arts at Indiana University in 1961. Following this accomplishment, he continued his studies at the University of Michigan in Ann Arbor, completing postgraduate coursework from 1962 to 1963. Returning to Indiana University, he completed his education with a Master of Arts in 1965 and a Doctor of Philosophy in 1966. Dr. Cuffey was certified as a professional geologist in the state of Pennsylvania from 1994 to 2007.

In recognition of outstanding contributions to his profession and the Marquis Who's Who community, Dr. Cuffey has been featured on the Albert Nelson Marquis Lifetime Achievement website. Please visit www.ltachievers.com for more information about this honor.

About Marquis Who's Who®:

Since 1899, when A. N. Marquis printed the First Edition of Who's Who in America®, Marquis Who's Who® has chronicled the lives of the most accomplished individuals and innovators from every significant field of endeavor, including politics, business, medicine, law, education, art, religion and entertainment. Today, Who's Who in America® remains an essential biographical source for thousands of researchers, journalists, librarians and executive search firms around the world. Marquis® publications may be visited at the official Marquis Who's Who® website at www.marquiswhoswho.com.

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PRE-CONFERENCE FIELD TRIP OF 18TH IBA MEETING IN LIBEREC: FROM BUDAPEST TO LIBEREC

The Pre-conference field trip started in Budapest on the morning of 8th June and continue until the arrival to Liberec on the afternoon of 15th June. The trip was planned as excursion around bryozoan localities in four countries with some cultural stop, taking the advantage of Schengen space.

In Hungary we visited Mátyáshegy (Eocene), Fót (Miocene) and Szentkút (Miocene), in Slovakia Štrba (Eocene) and Sandberg (Miocene), in Austria Eisenstadt (Miocene), in Moravia Hlohovec, Podbřežice and Prátecký vrch (all Miocene) and in Bohemia Chrtín (Cretaceous) and Koněprusy (Devonian). The detailed itinerary can be found in the website <http://18iba.tul.cz/>. The Field guidebook can be obtaining upon request. Being busy with organizing the field trip, I forgot to take pictures;-) Therefore, I am very thankful for Hans Arne, who made perfect documentation of the trip. Please find his pictures here <http://folk.uio.no/hanakrem/iba2019/index.html>

One of the highlight locality was Prátecký vrch, which was a battle field between Napoleon and Russian and Austrian army. The memorial of this battle was made using the bryozoan limestone... Can you see the happy faces of all the participants of the trip?



18TH IBA CONFERENCE LIBEREC: 16TH TO 22ND JUNE 2019

Report by Kamil Zágoršek & Yuta Tamberg

The 18th International Bryozoology Association Conference took place in Technical University in Liberec (Czech Republic). The modern facilities available at the University ensured a very successful meeting with excellent discussion, both during the talks in the well set out main auditorium and during the breaks in the public area. Having these facilities available made for a relaxed and comfortable meeting, enhanced by feeling welcomed to the University campus. Old relationships were re-kindled and new ideas and scientific collaborations were made.



Altogether 82 participants from 17 countries took place in the Conference and made 63 talks and 23 posters. During the week in Liberec, we visited different parts of the town and the surrounding area on the mid-week field trip. The first few days were mostly given students' presentations, and the later days saw talks by more established researchers. There were too many talks to list here, but among the highlights was Katerina Achilleos' (University of Otago) talk on the biochemical pathways involved in the calcification of *Cellaria immersa*, which won first prize for best student talk.

Eckart Hakannson kicked off the IBA with his keynote talk about free-living bryozoans – enigmatic species that form colonies unattached to the substratum and which, in many cases, are motile. Joachim Scholz presented the first EBSD study of bryozoan crystallographic architecture, focused on *Anoteropora latirostris*. Andrea Waeschenbach reported the results of an extensive molecular phylogeny of cheilostome bryozoans, yielding a time-calibrated family-level phylogeny. Maria Orellana, Juan Cancino and Tim Wood talked about feeding, energy budget and preferred prey of fresh-water bryozoans, while Judith Winston gave us all a much needed reminder about rigorous use of zoological nomenclature and outlined its role and possible future.

The mid-conference field trip explored sites of geological interest in northern region of the Czech Republic. These included the local highpoint, Jěstěd Hill and striking Cenozoic columnar basalts at Panská Skála.

We are preparing the section with the photographs in the Conference website. If you would like to share any of your pictures with colleagues, we will be happy to publish it. Please send your pictures to Kamil Zágoršek. Hans Arne Nakrem prepared his own gallery including also the pre and post conference field trips: Many thanks Hans Arne...

<http://folk.uio.no/hanakrem/iba2019/index.html>

I hope everybody enjoyed the IBA Conference and looking forward the next one;-)



POST-CONFERENCE EXCURSION: ADRIATIC SEA, CROATIA, JUNE 22 – 29, 2019

Maja Novosel

Post-conference excursion was focused on recent marine bryozoans and organized along the Croatian coast of the central Adriatic Sea. Trip started in small town Rogoznica. On Sunday we visited Vis island and Komiža town and next day Hvar island and town Stari grad. After that we went to Brač island and visited famous Blaca desert and monastery and Milna town. On Thursday we walked through Split city and its famous Roman Emperor Diocletian Palace and were guests at the Institute of Oceanography and Fisheries. In the afternoon we went to Zlarin, an island of red corals, where handmade jewellery processing of coral is still maintained. After that we went to Šibenik city and spent a day in the National Park Krka. In the afternoon we cruised to the National Park Kornati, to Levrnaka island. The trip finished in Zadar city.



Blaca monastery, Brač Island



Diving time



Group photo in Split



Last day of the trip

LIBEREC CONFERENCE PHOTOS

Hans Arne Nakrem has prepared a web photo album from the IBA 2019 Conference. Please see the link:
<http://folk.uio.no/hanakrem/iba2019/index.html>

There are photos from both field trips as well as the conference. The illustration shows how to access each part, thumb nails, and full screen images. The images are generally maximum 3000x2000 pixels (= good enough for an A4 or 13x18 cm photo printout), but files of higher resolution can be "ordered" (for free of course) from h.a.nakrem@nhm.uio.no.

Best wishes from Hans Arne

folk.uio.no/hanakrem/iba2019/index.html

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<http://folk.uio.no/hanakrem/iba2019/index.html>

IBA

Pictures from the 2019 IBA Conference in Liberec and the field trips

Pre-Conference
Conference
Post-Conference
Field Group Photos
Field Seminar
Field Seminar
Other IBA photos

Click

Photos by Hans Arne Nakrem or

Text corrections

Home

h.a.nakrem@nhm.uio.no
28.07.2019

IBA 2019 Post-Conference Field Trip (Places and people)

Click

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(c) Hans Arne Nakrem

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Higher resolution images on request

High resolution, up to (3000 x 2000 pixels)

MEETINGS AND CONFERENCES



Marine Environment Research Centre

XVI LARWOOD MEETING AT ENEA ENVIRONMENT RESEARCH CENTRE (MERC) (LA SPEZIA, ITALY)

The ENEA Marine Environment Research Centre (MERC), located in La Spezia (Italy), conducts research and develops methodologies and tools for the protection and sustainable management of the marine environment. Located in the Gulf of La Spezia (Eastern Ligurian Sea, Italy), MERC has a strategic position for its vicinity to marine protected areas recognized by UNESCO as World Heritage Sites, namely the Natural Regional Park of Porto Venere (which comprises Palmaria, Tino and Tinetto islands) and the Cinque Terre Marine Protected Area and National Park. It is also located within the Whale Sanctuary. Long-term series of ecological data in the Eastern Ligurian Sea were collected by MERC and included in the Long Term Ecological Research Network (LTER: <https://lternet.edu>). Thus, MERC is an important field station for studies on Mediterranean marine ecosystems.

MERC, which belongs to the Biodiversity and Ecosystem Services Laboratory (BES) of ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), carries out studies on biodiversity (including conservation), and ecosystem functioning, characterization and management of marine ecosystems, including the use of bioindicators for detecting environmental quality, effects of climate change and human impacts on the marine environment.



Larwood Meeting:

Proposed dates: 17- 20th September 2020

Meeting with oral presentations and posters: Thursday 17th and Friday 18th (depending of the number of participants)

Post-meeting excursions:

- 1- Snorkeling and trekking on Palmaria Island (Marine Regional park of Porto Venere and the Island) (<http://www.parks.it/parco.porto.venere/Epar.php>): a day dedicated to explore the Island doing snorkeling (possibly diving) in some nice part of the Island and the tour of the Island by trekking. We will stop for a short visit in Porto Venere before going back to La Spezia.
- 2- Excursion to Pliocene-Pleistocene clays of Castell'Arquato (Parma): a day dedicated to visit some outcrops described by Manzoni and other authors. If possible, we will visit the Museum of Castell'Arquato.

Arrival/Departure- How to get to La Spezia:

Airports:

Pisa (Galileo Galilei): it is the closest airport to La Spezia. Several cheap flight companies fly there (Ryanair, EasyJet, etc). From Pisa airport a train connects the airport to the main train station where you can easily catch a train to La Spezia or Sarzana (40' journey).

Web-site: <https://www.pisa-airport.com/en/>

Genova (GOA): Genova is approximately 90 km far from La Spezia. From Genova airport there is the possibility to catch the train to La Spezia or Sarzana (approx. 1.30' journey)

Web-site: <https://www.airport.genova.it/en/>

Milano Airports (Malpensa, Linate, Orio al Serio): Milano is approx 250 km far from La Spezia. Airports have all connections (trains, coaches) to the main train station (Milano Centrale) where you can catch a train from Milano to La Spezia or Sarzana every hour (approx. 3 hours journey)

Web-site: <https://www.milanairports.com/en>

Trains- Trenitalia web site: <https://www.trenitalia.com/en.html>

From La Spezia or Sarzana train stations there are buses or taxis which bring you to Lerici and San Terenzo.

Public Transport La Spezia (ATC): <https://www.atcesercizio.it/index.php/en/>

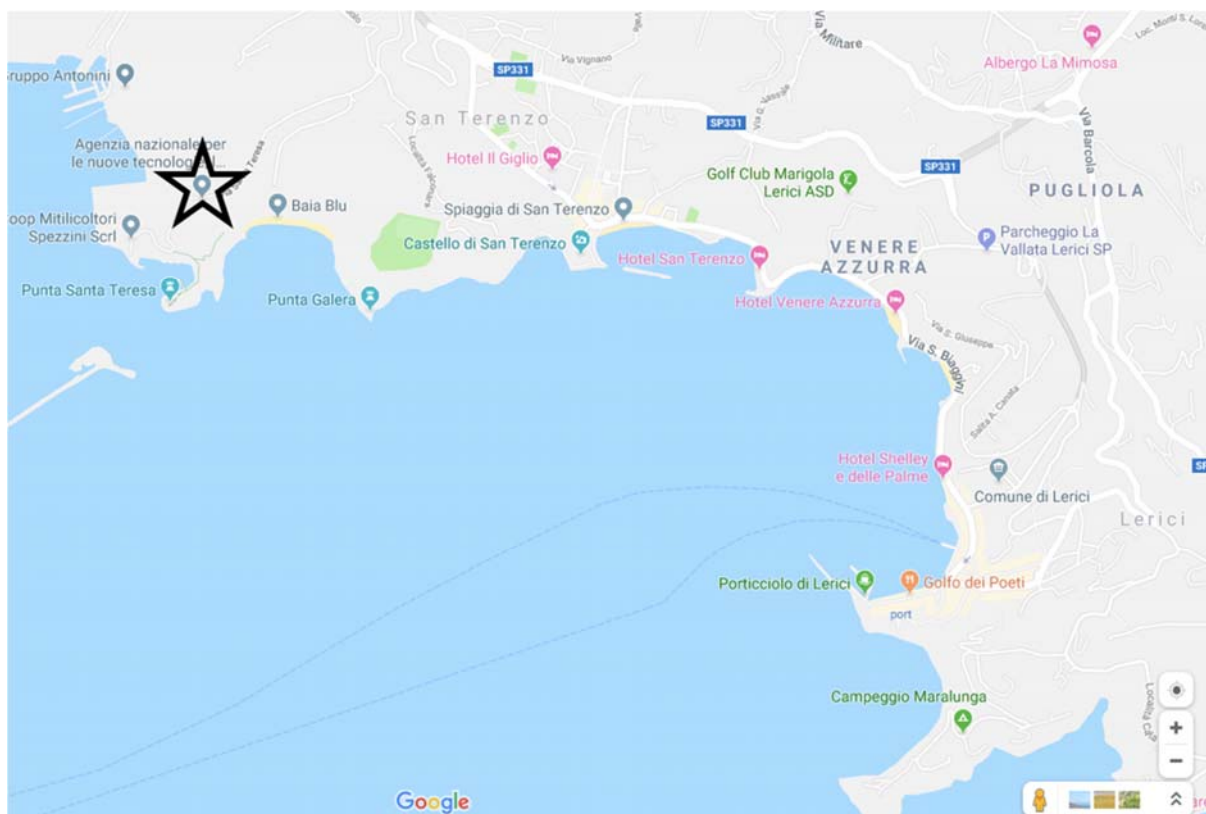
Accommodation:

MERC is located in a small locality called Pozzuolo di Lerici (STAR on the map) which is close to San Terenzo and Lerici, two villages by the sea, in the Gulf of Poets, where Byron and Shelly lived.

From both these villages you can reach the Centre by foot (approx. 30-40') or catch the bus and walk (10').

Both villages have different hotels (Hotel San Terenzo, Hotel Il Giglio, Hotel Shelley e delle Palme, Hotel Byron, etc) and you can find all range of prices by surfing on internet. There is also a Camping Site at Maralunga, if you come by car and would like to camp. It is a bit far if you do not have a car.

Another option is to try with AirB&B, there are different solutions but the problem might be the distance from the Centre, especially if you do not come by car. For an AirB&B search, my suggestion is to specify, as locations, Pozzuolo, Pitelli, Pugliola or Solaro, which are the villages on the hill, more close to the Centre (15 up to 40' walk).



Useful Remarks: Liguria is a steep region, so if you decide to walk, you will have to be prepared to slopes even on the regular roads.

Another option could be to find an accommodation in La Spezia or Sarzana (there are hotels and AirB&B options), however you have to consider the journey on the bus (approx. 40') to reach Lerici plus another bus or walk to arrive to the Centre.

Food:

Lunches: we have a canteen at the Centre where will be served lunches during the conference. Price is approx. 6/7 euros (1 course + side dish + fruit/dessert + water).

Lerici and San Terenzo have lots of restaurants for dinners. For those who will rent a flat, there are also supermarkets in the area.

Looking forward to hosting all of you here at MERC ENEA for the next Larwood Meeting!

Chiara and Silvia

UPDATE ON PROCEEDINGS OF THE 17TH IBA CONFERENCE, MELBOURNE.

The Melbourne IBA conference volume nears completion at last. All papers are being, or have been, type-set and authors should have received an email from the editor Ian Percival their page proofs or an email regarding changes required before proofs can be produced. If you have not heard from Ian Percival please contact me at catherine.reid@canterbury.ac.nz and I will make sure he has correct email details.

Once proofs are returned these will be with the printers almost immediately and the printed volume is expected by the end of September.

All papers are accepted and in press and your manuscripts can be referred to as

Author, 2019, title. IN *Bryozoan Studies 2016*. Proceedings of the Seventeenth International Bryozoology Association Conference, 10-15 April 2016, Melbourne, Australia. EDS Schmidt, R., Reid, C.M., Gordon, D.P., Walker-Smith, G., Martin, S. & Percival, I. Memoirs of the Australasian Association of Palaeontologists vol 52, pp. xx-xx. ISSN XXXX.

Rolf Schmidt, Catherine Reid, Dennis Gordon



WORKSHOPS AND TRAINING

SUMMER SCHOOL ON 'MONITORING MARINE ALIEN SPECIES IN PORTS WITH THE SERC PROTOCOL', PAVIA (ITALY)

September 23-27, 2019.

This summer school, organised by University of Pavia (Italy) and the Smithsonian Environmental Research Center (USA) is opened to professionals, public/private employees, researchers, master/PhD students with a marine biology background and/or involved in marine bioinvasion monitoring.

Participants will be instructed to monitor ports using the method conceived and successfully applied for over 25 years in the United States by the Smithsonian Environmental Research Center. Moreover, experts of different taxonomic groups will provide lectures and laboratory activities on the identification of the most common fouling species of port habitats, with a focus on cryptogenic and alien invertebrate species.

The full program is available

at: <http://sciter.unipv.eu/site/download.jsp?idDocument=720011003&channel=720000019&instance=27>

The application form is available at <https://tinyurl.com/ecolabpv>

For info: ecolab.unipv@gmail.com



Monitoring marine alien species in ports with the SERC protocol



**September
23 - 27, 2019**

University of Pavia
Italy



Via Sant'Epifanio 14
Pavia

***First International
Summer School***



Maximum number of
admitted participants: **24**

Language of the school: **English**

The summer school provides the
assignment of **4 ECTS**

Deadlines

August 26, 2019 - Submission of application

September 2, 2019 - Communication to participants

September 9, 2019 - Payment of participation fee (250 €)

Lecturers

*Jasmine Ferrario (UniPv)

*Erica Keppel (SERC)

*Agnese Marchini (UniPv)

*Anna Occhipinti (UniPv)

*Michele Repetto (TempleU)

This summer school will instruct participants to monitor ports using a method that has been conceived and successfully applied for over 20 years in the United States by the Smithsonian Environmental Research Center (SERC, USA). Experts of different taxonomic groups will provide lectures and laboratory activities to instruct participants on the identification of the most common fouling species of port habitats, with a focus on cryptogenic and alien invertebrate species.

The registration form is available at

<https://tinyurl.com/ecolabpv>

In addition, a CV and motivation letter of the applicant
shall be sent by email to ecolab.unipv@gmail.com



ecolab.unipv@gmail.com

Aquatic Ecology Lab-Pavia

@abrickagainstalienspecies



CIAO, PLUMATELLA!

Дневник эмигрантки, или жизнь в другом измерении (In Russian, the book will be translated into Italian) Diary of an emigrant, or life in another dimension. First published in Minsk in July 2018, and e-book on 07.02.2019.

You can buy the book "Ciao, Plumatella!" (400 p.) in the store "Academic Book", Independence str., 72, Minsk, Ecology section or download the e book version on the link: <https://www.litres.ru/tatyana-vasilevna-mi/ciao-plumatella-dnevnik-emigrantki-ili-zhizn-v-drugom/>



Brief summary:

The book is written in the form of an essay and is a summary of some articles published on the site www.plumatella.it. The author reflects on the two systems, socialism and capitalism, about Stalinism, about Chernobyl ...

The main thread of the book, however, is Ecology, La Grande Bellezza, Our Planet, from stories about the first Antarctic expedition, from brief expeditionary stories in which the author and her colleagues participated, from stories about the study of the biology and physiology of freshwater bryozoans, to stories of the Italian cosmonaut Paolo Nespoli about what our earth is seen from a height of ISS, International Space Station, about the Cosmic Eye, the Copernicus program which helps the Ecology of Our Planet.

In section number 6, I write about freshwater Bryozoa and about the IBA association.

Content:

1. Epistolary novel
2. Restoration of the Organ
3. 3rd Punic War
4. To forget is to betray.
5. Scientific nest Vernadsky-Vinberg-Timofeev-Resovsky-Sushchenya-Khmeleva-Ostapenya-Semenchenko
6. Ciao Plumatella, or Bryozoa Reef and Coral Reef
7. Diary of one alpinist
8. Chernobyl, planetary catastrophe
9. Expeditionary stories
10. La Grande Bellezza
11. Aspire to upward
12. The Way of Ecology

RECENT PUBLICATIONS

The following list includes bryozoan related works either published since the previous issue of the *IBA Bulletin* as sent in to the editor. As always, members are encouraged to support future compilations by continuing to send complete citations to the IBA secretary at any time. Accuracy of your citation is assured if sent in bibliographic format, if re-drafting is required by the editor accuracy is not guaranteed! Reprints will be gratefully received by the IBA archivist, Mary Spencer Jones.

Catra M., Alongi G., Leonardi R., Negri M., Sanfilippo R., Sciuto F., Serio D., Viola A., Rosso A. 2019. Degradation of a photophilic algal community and its associated fauna from eastern Sicily (Mediterranean Sea). *Mediterranean Marine Science*, 20 (1): 74–89. <http://dx.doi.org/10.12681/mms.17765>

Collareta A., Reitano A. Rosso A., Sanfilippo R., Bosselaers M., Bianucci G. & Insacco G. 2019. The oldest platylepadid turtle barnacle (Cirripedia, Coronuloidea): a new species of *Platylepas* from the Lower Pleistocene of Italy. *European Journal of Taxonomy*. 516: 1–17. <https://doi.org/10.5852/ejt.2019.516>

Figuerola B, Gore DB, Johnstone G, Stark JS (2019) Spatio-temporal variation of skeletal Mg-calcite in Antarctic marine calcifiers. *PLoS ONE* 14(5): e0210231. <https://doi.org/10.1371/journal.pone.0210231>

Hara U., Mors T., Hagstrom J. & Reguero M.A. 2018. Eocene bryozoan assemblages from the La Meseta Formation of Seymour Island, Antarctica. *Geological Quarterly*, 62 (3): 705-728: DOI: <http://dx.doi.org/10.7306/gq.1432>.

J.-L. d'Hondt (2019).- Connaissances actuelles sur le tube digestif larvaire temporaire d'*Alcyonidium polyoum* (Hassall) (Bryozoaires). (Current knowledges on the larval primordial digestive tract of *Alcyonidium polyoum* (Hassall)). *Bull. Soc. Zool. Fr.*, 144 (2): 77-86.

J.-L. d'Hondt (2019).- Nouveaux compléments aux "Tabular Keys for Identification of the Recent Ctenostomatous Bryozoa" et remarques sur la systématique des Bryozoaires. (New data to the "Tabular Keys for Identification of the Recent Ctenostomatous Bryozoa" and remarks on systematics of the Ctenostomatous Bryozoa. *Bull. Soc. zool. Fr.*, 144 (2) : 87-94.

J.-L. d'Hondt (2019).- Stratégies de reproduction chez les Bryozoaires : diversités morpho-anatomique et systématique et signification évolutive. (Reproductive strategies in the Bryozoa: morpho-anatomical diversity and systematics, and evolutionary significance). *Boll. Mus. reg. Ici. nat. Torino*, 35 (1-2) : 5-32.

Key Jr., M. M., Schweitzer, C. E. 2019: Coevolution of post-Palaeozoic arthropod basibiont diversity and encrusting bryozoan epibiont diversity? *Lethaia*, <https://doi.org/10.1111/let.12350>.

Kopperud B., Lidgard S. & Liow L. H. 2019 Text-mined fossil biodiversity dynamics using machine learning. 286:20190022 *Proceedings of the Royal Society B: Biological Sciences* Volume 286, Issue 1901 <https://royalsocietypublishing.org/doi/10.1098/rspb.2019.0022>

Liow L. H. & Taylor, P. D. 2019 Cope's Rule in a modular organism: Directional evolution without an overarching macroevolutionary trend. *Evolution*. 13 July 2019| <https://doi.org/10.1111/evo.13800> **OPEN ACCESS**

Rosso A., Gerasileiou V., Sanfilippo R., Guido A. 2019. Undisclosed bryodiversity of submarine caves of the Aegean Sea (Eastern Mediterranean). *Proceedings of the 2nd Mediterranean Symposium on the conservation of Dark Habitats*: 47-52. RAC/SPA 2019. Antalya.

Rosso A., Sciuto F. 2019. Fossil record of the bryozoan genus *Atlantisina* from the Gelasian of Sicily: a new piece to unravel past deep-water bryodiversity of the Mediterranean Sea. *Bollettino della Società Paleontologica Italiana*, 58(2): 141-154. doi: 10.4435/BSPI.2019.01.

- Rueda J.L., Urra J., Aguilar R., Angeletti L., Bo M., García-Ruiz C., González-Duarte M.M, López E., Madurell T., Maldonado M., Mateo-Ramírez A., Megina C., Moreira J., Moya F., Ramalho L., Rosso A., Sitjá C., Taviani M. 2019. Cold-Water Coral Associated Fauna in the Mediterranean Sea and Adjacent Areas. Orejas C., Jiménez C. (eds.), *Mediterranean Cold-Water Corals: Past, Present and Future, Coral Reefs of the World* 9 (29): 295-333, Springer International Publishing AG, part of Springer Nature 2019. https://doi.org/10.1007/978-3-319-91608-8_29
- Rust, S. (2019) *Crateropora* sp. – a conspicuous encrusting bryozoan from the Early Miocene Waititi Formation of Taita Stream, South Hokianga, New Zealand. *Geocene* 20, August 2019, 2-4.
- Wilson, M.A., Buttler, C.J. and Taylor, P.D. 2019. Bryozoans as taphonomic engineers, with examples from the Upper Ordovician (Katian) of midwestern North America. *Lethaia* 52: 403–409.
- Sendino, C., Suárez Andrés, J.L. and Wilson, M.A. 2019. A rugose coral – bryozoan association from the Lower Devonian of NW Spain. *Palaeogeography, Palaeoclimatology, Palaeoecology* 530: 271-280.
- Vinn, O., Ernst, A., Wilson, M.A. and Toom, U. 2019. Symbiosis of conulariids with trepostome bryozoans in the Upper Ordovician of Estonia (Baltica). *Palaeogeography, Palaeoclimatology, Palaeoecology* 518: 89-96.

