



The Ecdysiast

The Newsletter of The Crustacean Society

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Message from the President...

Dear TCS-colleagues,

The Coronavirus (COVID-19) pandemic has impacted and changed our lives all over the globe, without making any distinction between people living in developed, developing or underdeveloped countries. I just hope that you and your loved ones are healthy, employing the necessary measures to avoid the spread of the Coronavirus.

As expected, the pandemic has also impacted the TCS activities. The regular TCS Mid-year meeting in Brazil had to be postponed and is now scheduled for June 2022. In addition, considering

the alarming increase of COVID-19 infections in Europe, the organizers of the Summer TCS 2021 meeting in Paris, France, have also decided to postpone their meeting and have offered to host the Summer meeting in July 2024, which would coincide with the 30th anniversary of the last TCS meeting held in 1994 in Paris.

The good news is that the Society for Integrative and Comparative Biology (SICB)-meeting 2021 will take place and TCS will participate as usual in the event. The virtual meeting is scheduled for 3 January through 28 February 2021. Our SICB Liaison Officer, John Zardus, provides in this *Ecdysiast* issue some additional information about the meeting, while D. Christopher Rogers, our Program Officer, already started the organization of the judging for best oral presentation and best poster.

Starting 2021, the *Journal of Crustacean Biology* (JCB) will be published online only. This decision was taken considering the extensive online usage of the journal and the fact that only few members request copies of the journal. The online journal provides enhanced functionality, much of which cannot be offered in the print environment. As pointed out by the publisher of JCB, Oxford University Press, "a move to online only publication is more environmentally friendly, eliminating the need for paper, shipping materials, and transportation, thus significantly reducing the journal's carbon footprint. Published content is available to readers instantly upon the day of publication, rather than after a delay as the content is assigned to issue, prepared for print, and dispatched."

As a consequence of converting JCB to an online only journal, we had to modify membership categories. After a fruitful discussion during the TCS Board meeting of 18 September 2020, all present TCS-Board members voted and agreed unanimously to offer for 2021 the following categories and pri-



ces:

- Student Member: US\$35.00 (no change)
- Member (online Journal): US\$100.00 (no change)
- Patron Member (online Journal): includes funding for at least one (student) membership: US\$195.00

The Patron Member category loses the journal hard copy benefit, as the journal will be entirely online; however, additional funds from patron members will go toward (student) memberships. Member (student) in need might be indicated directly by the Patron Member or selected by the TCS Board considering the input from the Regional Governors.

Soon we will have a new TCS website! During the last months, our President Elect, Benny Chan, together with the TCS Board has worked to develop a website, which is more attractive and easy to use. This is an ongoing process, and we tried to integrate the numerous comments and suggestions we received. Of course, once we officially inaugurated the new website, we are looking forward to receive your feedback in order to further improve it.

I would like to inform you that we would have the following officer elections during this year: (1) Treasurer; (2) Secretary; (3) SICB officer; (4) European Governor; (5) Indo-Pacific Governor; (6) North America Governor, and (7) Africa Governor. As you might have noticed, this will be the first time to elect a Governor for Africa. The TCS Board decided to include an Africa Governor, not only due to the fact that JCB has published a good number of contributions from colleagues working in Africa, but also to expand the worldwide coverage of the Society. We are convinced that having a Governor for Africa will increase our visibility in this continent. By now I hope you have received the link to vote in these elections. We sincerely hope that you will participate in these elections because each vote is important and valuable.

The end of the year is also time to renew your TCS membership, and your membership renewal is vital for TCS. Please continue supporting TCS, and if you have any questions or doubts, please do not hesitate to contact our Business Office (Email: tcs@burkinc.com).

Finally, I would like to inform you that Kelly Merrin stepped down as The Ecdysiast editor. Since 2017 Kelly edited the TCS newsletter, and she has done an excellent job, well recognized not only by the TCS Board members. We are sorry to see her step down since we highly appreciated her dedication and collaboration with TCS. Thank you so much, Kelly! And the good news is that Kareen Schnabel, National Institute of Water and Atmospheric Research, New Zealand, kindly agreed to take over editorship of The Ecdysiast! Together with Kelly, she has been already involved in editing this issue and will take over completely in May 2021. Welcome to the team, Kareen!

I wish you all the very best, pleasant and peaceful Holidays as well as good health and success for 2021. Take care!

All my best,

Ingo.



**Crustacean Society Patron
Members**

Raymond Bauer
David K. Camp
Peter Castro
Paul Frederick Clark
Neil Cumberlidge
Rodney Feldmann
Michael Gable
Mark Grygier
Stefan Richter
D. Christopher Rogers
Bernard Sainte-Marie
Carrie Schweitzer
Thomas Shirley
Roger Thoma
Brian Tsukimura
Christopher Tudge
Jose Luis Villalobos Hiriart





The Crustacean Society Board Members, 2020

President

Ingo Wehrtmann
Universidad de Costa Rica, Costa Rica
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President-elect

Benny Chan
Academia Sinica, Taiwan
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Past-President

Shirley Lim
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Executive SICB Liaison Officer

John Zardus
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Asian Governor

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Latin American Governor

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North American Governor

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The Ecdysiast is published twice yearly in May and November and it is available in electronic form at <http://www.thecrustaceansociety.org/ecdysiast>. All the past issues are also available from the same web site. Submissions for the May newsletter should be received by mid March, while those for the November newsletter should be received by mid September. All types of crustacean-related contributions are encouraged, including announcements of upcoming workshops and meetings, regional updates, meeting summaries (with photos!), new publications and any other crustacean news.

Send all material directly to the Editor:
Kareen Schnabel, kareen.schnabel@niwa.co.nz



The Crustacean Society Liaison Officers, 2020

The Chinese Crustacean Society
Liaison Officer: Jianhai Xiang
 CAS Institute of Oceanology, China
 email: jhxiang@qdio.ac.cn

International Association of Astacology
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The Brazilian Crustacean Society
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The Carcinological Society of Japan
Liaison Officer: Akira Asakura
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 University, Japan
 email: asakura.akira.6w@kyoto-u.ac.jp

The World Association of Copepodologists
Liaison Officer: Rony J. Huys
 Natural History Museum, London, UK
 email: r.huys@nhm.ac.uk

International Research Group on Ostracoda
Liaison Officer: Renate Matzke-Karas
 University Munich, Germany
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Latinoamerican Carcinologist Association
Liaison Officer: Michel Hendrickx
 Unidad Academica Mazatlan, Mazatlan, Mexico
 email: michel@ola.icmyl.unam.mx

Colloquium Crustacea Decapoda Mediterranea Group
Liaison Officer: Enrique Macpherson
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Terrestrial Isopod Biologists Group
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 University of Ljubljana, Slovenia
 email: jasna.strus@bf.uni-lj.si

Large Branchiopod Working Group
Liaison Officer: D. Christopher Rogers
 University of Kansas, Kansas
 email: branchiopod@gmail.com

Amphipod Group
Liaison Officer: Wim Vader
 Tromsø Museum, Norway
 email: wim.vader@uit.no

German Carcinologist Group
Liaison Officer:
 Currently vacant

Follow The Crustacean Society on social media



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@CrustaceanSoci2



Treasurer's Report for December, 2020

As of October 2020, TCS had 348 renewed members for 2020 and 2021 (261 regular members, 22 patron members, and 65 student members). All memberships now include online only access to all issues of JCB (plus other benefits including waiver of page charges for JCB authors, discounted registration rates for the TCS meetings, and TCS support of student awards and symposia). The patron membership category includes online membership plus funding for at least one student membership. So if you are able, being a patron member is a great way to support the next generation of crustacean researchers. Membership numbers are similar to previous years, thanks in large part to the efforts of President Ingo Wehrtmann, TCS Regional Governors and TCS Officers who personally contacted members who may have forgotten to renew. Please do your part and encourage your colleagues and students to renew or join. Funding from memberships is vital in supporting the outreach of TCS!

The Executive Committee of TCS (President Ingo Wehrtmann, President-Elect Benny Chan, Treasurer Jason Williams, Secretary Sarah Gerken, and Program Officer Christopher Rogers) and BAI recently reviewed the actuals up until September 2020 and the proposed budget for 2021 (see attached). We are on target for a surplus of perhaps >20K in 2020 (depending on the total revenue from OUP profit share from JCB). The surplus is partly due to reduced travel funds, student travel scholarships and support of meetings that were not able to take place due to COVID-19 restrictions. For 2020, President-Elect Benny Chan helped organize a much needed overhaul of the TCS website that was included in the 2020 budget.

Presently the 2021 budget shows a small surplus (~\$1400); however, the 2021 budget does not include travel for officers to meetings. In terms of JCB, 2021 is the last year of our initial 5 year contract with Oxford University Press. We will be carefully considering the next 5 year plan summary supplied by OUP (2022-2026). We hope to negotiate with OUP and provide TCS membership payment for JCB Associate Editors as a small thanks for their hard work. Until then, in 2021 the Executive Committee has voted to budget for this cost and cover the expense with TCS funds. TCS investments continue to do well, with our Schwab accounts totaling approximately US\$654K and our MainStreet Bank checking account at US\$45K.

Respectfully submitted,
Jason Williams



Treasurer's Report for December, 2020

Proposed Budget 2021

STATEMENT OF ACTIVITIES

Year January 1, 2021 through December 31, 2021

		Proposed Budget 2021
REVENUE		
	Membership Dues (4090)	
	Member Online	24,100
	Patron Online (Online Journal and subsidize at least one (student) member)	4,095
	Student Online Member	2,345
	Total Membership Dues	30,540
	JCB	
	OUP Profit Sharing	31,052
	Total JCB	31,052
	Contributions:	
	General	4,500
	Total contributions	4,500
TOTAL REVENUE		66,092
EXPENSES		
Meetings:		
	Summer Meeting Sup- port	0
	Summer Meeting Ex- pense	
	Travel - Other officers including SICB Liaison	0
	Travel - President	0
	Total Meeting Expense	0
	SICB	
	SICB Booth	600
	SICB General Expenses	1,600
	SICB Symposium	0
	Total SICB Expenses	2,200
	Total Meeting Expense	2,200



Treasurer's Report for December, 2020

Proposed Budget 2021 continued

EXPENSES CONTINUED

JCB:

Editor's Stipend	Paid by OUP
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Editor's Office:

Postage	0
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Office Supplies	0
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Phone/Internet	0
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Support to JCB Editors Meeting	1,000
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Support to JCB Editors Membership	1,800
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Travel	0
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Total Editor's Office	2,800
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JCB Printing & Distribution:

Member Subscriptions	8,225
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Total JCB Printing & Distribution	8,225
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Awards & Scholarships	15,400
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Administrative

Bank Service Charges/Investment Fee (6210)	1,730
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Dues to Other Organization	125
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Management Fee - BAI	33,000
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Website	1,000
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Other Officer Travel	0
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Miscellaneous/ TCSERA Award Plaque	150
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Total Administrative	36,005
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TOTAL EXPENSE	64,630
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CHANGE IN NET ASSETS	1,462
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A note from our Liaison Officer for SICB

Dear TCS members,

A brief update about the annual joint meeting in January 2021 with the Society for Integrative and Comparative Biology (SICB). The meeting will be virtual this year with reduced registration fees. So, if this is a meeting you have never been able to attend due to cost and travel this could be the year to do it! The actual meeting days of the conference will be January 3 – 7 with several live-streamed events but all content (including all talks and posters) will be available on line beginning January 3 until February 28 for those who pay the registration fee.

We have a number of TCS student members who will be competing for the Best Student Presentation awards (one presented for best oral presentation and one for best poster presentation). The final schedule of presentations is not yet complete (look for it soon on the meeting website below), so we don't know yet when each student will be presenting but there will be a live Q & A session for each presentation. Towards this effort our Program Officer, Christopher Rogers, will be organizing the judging for the competition. If you are an established researcher, please consider being a judge. This is an excellent opportunity to offer your experience to the Society and the next generation of crustacean researchers. Whether a student wins or not, each will be given feedback on their presentation which can be an invaluable experience for them as a developing scientist.

You are also invited to tune in for the business meeting of TCS through the conference platform. It is scheduled for Friday, January 8 at 10:00am Eastern Daylight Time (U.S.A.), the same zone as Washington D.C. This time was chosen to accommodate as best as possible members spread from California to Europe to China.

I look forward to seeing you on line.

John Zardus

TCS Liaison Officer for SICB

<https://sicb.burkclients.com/meetings/2021/symposia/>



TCS Excellence in Research Award

Dear TCS Members!

We wanted to remind you all that the deadline for nominations for **The Crustacean Society Excellence in Research Award** (TCSERA) is fast approaching. All nominations for the 2021 TCSERA award must be submitted to the TCS President Elect (Benny Chan) by 31 December 2020.

To remind you of the rules, all persons are eligible regardless of research specialty or nationality. The honour will be given to those scholars who have contributed a substantial body of research to the study of Crustacea. However, nominations must be made by TCS members.

How To Apply: A given member is allowed to nominate no more than one name in any calendar year. There are no application forms. Nominations are received at any time by the president and can come from any member of the Society. Nominations should consist of: (1) a formal letter of nomination including a summary of the candidate's qualifications; (2) a current and complete curriculum vitae for the candidate, and; (3) at least one additional letter supporting the nomination. Other pertinent support materials may be provided by the nominator or may be requested by the Committee to assist in deliberations later. Nominations should be sent directly to the TCS President Elect, who assembles and oversees the TCSERA Awards Committee.

Each January, the President Elect collects all nominations received during the previous calendar year and provides them to the TCSERA Awards Committee. The President Elect asks the Committee members for their comments concerning the nominations during February or March. Evaluation criteria for the award include, but are not restricted to: productivity, quality, creativity, generation of concepts, and overall influence on a field of study. Where appropriate, contributions to research education of crustacean biologists may also be considered.

Each Committee member returns comments to the president elect by 15 May. Responses must be confirmed in writing (mail or email). The President Elect compiles the responses of the Committee. If there is a consensus, the President Elect forwards this information to the president. If there is no consensus, the president elect will forward the Committee responses to the president for additional deliberation by the Board.

The recipient of the TCSERA award will be invited to submit a manuscript to be published in *Journal of Crustacean Biology* as an "Invited review by the 202x TCSERA-award winner." The manuscript's subject will be on any field of crustacean research to be chosen by the recipient. Submission of the manuscript should be within one year after the announcement of the award. Moreover, the nominator of the TCSERA-award recipient will be invited to submit a short article on the awardee to be published in *The Ecdysiast*. The award will also be highlighted in *JCB*'s "News from TCS," which is published online four times a year.



TCS Excellence in Research Award

Nominations that were not selected are automatically considered for the following year's deliberations and remain active for three years, after which time the person must be nominated again for consideration.

Please let us know if you have questions,

Benny Chan

President Elect

chankk@gate.sinica.edu.tw

Journal of Crustacean Biology Editorial Report for Volume 40 (2020)

The year 2020 saw some very positive developments in the life of *JCB*: the announcement of an increase in our impact factor (1.254 in 2019 against 1.069 in 2018), a healthy increase in the number of articles published (97 against 89 in 2019), and the decision to publish online-only articles.

JCB articles will continue to be published in our Advance Access site (<https://academic.oup.com/jcb/advance-articles>), and full online “issues” will appear in <https://academic.oup.com/jcb> four times a year (March, June, September, and December) instead of printed issues. Each online “issue” will have a full-color “cover” and a table of contents. One major advantage of online-only publication against the previous online plus printed publication is that all figures will be published online free of charge without the previous optional color printing for which authors were charged. As before, online articles will include links to Oxford University Press’ Altimetric Data, with information on online views, downloads, and other useful information. We will also continue to highlight a feature article in each online “issue.”

The Editor-in-Chief and the other 18 members of *JCB*’s Editorial Board continue to efficiently work with Oxford’s Managing Editor, Production Editor, Publisher, and Marketing Manager. Our thanks to the Associate Editors, which are among the top experts in various fields of the biology of crustaceans. They are: Antonio Baeza, Ray Bauer, Carola Becker, Niel Bruce, Ka Hou Chu, Oliver Coleman, Keith Crandall, Rodney Feldmann, Mark Grygier, Rafael Lemaitre, Colin McLay, Elena Mente, Paul Moore, Donald Mykles, Christopher Rogers, Bernard Sainte-Marie, Tomer Ventura, and Darren Yeo. Special thanks to the Guest Associate Editors, Benny K.K. Chan and Niklas Dryer, who worked with submissions for the November special number on the biology of crustacean symbioses.



Number of *JCB* articles by subject

	2013	2014	2015	2016	2017	2018	2019	2020
Ecology	23	20	15	15	14	15	15	20
Phylogeny & taxonomy	7	16	13	9	14	18	16	16
Special sections (symposia)	3	2	14	15	-	9	11	15
Physiology	6	8	8	1	8	8	4	12
Developmental biology	-	-	-	-	-	1	2	6
Reproductive biology	-	-	-	7	11	9	7	6
Behavior	2	2	4	8	7	5	5	4
Research notes	5	4	2	2	9	7	8	4
Genetics & genomics	5	5	1	5	2	7	3	3
Paleobiology	2	1	5	5	3	3	8	3
Aquaculture	8	7	4	6	1	3	-	2
Functional morphology	3	6	5	-	7	3	3	2
Thematic reviews	1	2	-	-	-	-	2	2
Fisheries	-	-	-	-	-	-	-	1
Techniques & methods	-	-	-	15	9	4	3	1
Commentary/Response	-	-	-	-	-	2	-	-
Conservation	4	-	2	2	3	1	-	-
Historical memorial	-	-	1	-	-	1	-	-
Larval development*	4	7	2	5	-	-	-	-
Evolution & biogeography*	8	3	2	-	-	-	-	-

*Articles on larval development, evolution, and biogeography are now included under developmental biology, ecology, or phylogeny and taxonomy

Total	78	84	86	99	88	94	89	97
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Number of authors by nations and territories

	2012	2013	2014	2015	2016	2017	2018	2019	2020
USA	74	99	65	77	87	79	85	97	112
Japan	27	5	12	24	19	30	18	19	36
China	-	24	40	35	28	42	36	7	20
Mexico	21	7	25	4	2	11	31	15	19
Brazil	28	32	39	36	22	15	20	20	17
France	5	-	-	5	1	3	-	-	13
India	4	1	7	-	-	18	11	2	11
Taiwan	9	2	8	6	8	11	7	3	10
Hong Kong (SAR)	-	-	-	-	-	-	1	3	8
Argentina	24	10	15	2	16	13	4	4	7
Korea	3	7	22	16	4	2	9	6	7
Costa Rica	2	5	1	-	2	-	1	1	6
Singapore	3	-	-	7	3	2	2	7	6
South Africa	2	4	4	-	1	1	6	3	6
Spain	14	10	17	3	4	2	-	8	6
Norway	-	1	-	2	6	5	13	8	5
Canada	4	6	7	4	7	13	6	12	4
Iceland	-	-	-	-	-	-	-	5	4
Philippines	-	-	-	-	-	-	6	3	4



Number of authors by nations and territories

	2012	2013	2014	2015	2016	2017	2018	2019	2020
Thailand	4	2	-	2	5	3	-	-	4
UK	11	4	11	17	9	11	9	5	4
Cuba	-	-	-	-	1	-	-	-	3
Germany	17	14	14	12	4	6	10	3	3
Ghana	-	-	-	-	-	-	-	-	3
Australia	13	2	5	5	16	14	34	12	2
Cameroon	-	-	-	-	-	-	-	-	2
Chile	13	4	5	2	2	-	-	-	2
Denmark	2	1	1	5	3	2	4	1	2
Ireland	-	-	-	4	3	-	-	2	2
New Zealand	-	6	-	-	1	2	3	1	2
Russia	2	1	1	4	1	-	1	1	2
Austria	-	-	-	-	-	-	1	-	1
Colombia	-	-	-	-	-	-	-	-	1
Czech Republic	-	-	-	-	-	-	-	-	1
Guadeloupe	-	-	-	-	-	-	-	-	1
Indonesia	-	-	1	-	-	1	1	1	1
Malaysia	-	-	-	-	1	4	-	6	1
Poland	-	-	-	2	2	-	-	4	1
St. Kitts & Nevis	-	-	-	-	-	-	-	-	1
Tunisia	-	-	-	-	-	5	-	3	1
U.S. Virgin Islands	-	-	-	-	1	-	-	-	1

Peter (Pedro) Castro
Editor-in-Chief



Journal of Crustacean Biology

- Fast review process and decision time
- Premier journal on all aspects of crustacean biology
- High-quality and constructive peer review
- Variety of article submission options
- Online color figures published free of charge
- 2019 Journal Impact Factor: 1.254

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Funding opportunities

The Explorers Club has recently partnered with Discovery to offer expedition grants for researchers and explorers from around the world. Applicants do not need to be members or fellows of TEC to apply, and the grant will fund a variety of fieldwork. From the grant description: "Fieldwork in the following disciplines will be considered: Biological sciences, archaeology, anthropology, paleontology, earth sciences, ecology, and astronomy, as well as exploratory projects that reveal new knowledge about the planet and its inhabitants, including regions undergoing environmental or cultural change."

<https://explorers.org/about/explorers-club-discovery-expedition-grants>



Upcoming meetings



** This meeting has now been moved to July 2024



In May 2023 the ICC10, the 10th International Crustacean Congress, will bring together carcinologists at the National Museum of New Zealand Te Papa Tongarewa in Wellington.

Check out this [video](#) to see what you can expect when you come to New Zealand!
[Express your interest now.](#)

ICC10 Organising Committee

Rachael Peart
NIWA, co-host

Kareen Schnabel
NIWA, co-host

Shane Ahyong
Australian Museum

Graham Fenwick
NIWA

Diana Macpherson
NIWA

Andrew Hosie
Western Australian Museum

Kelly Merrin
Monash University

Rick Webber
National Museum of New Zealand Te Papa Tongarewa

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Full details of the [#ICC10](#) 2023 Congress here: www.ICC10.org
[#crustacea](#) [#newzealand](#)

Conference Organisers

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