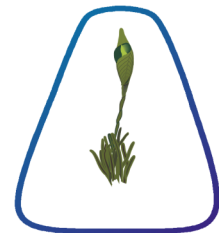


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IAB



The Bryological Times

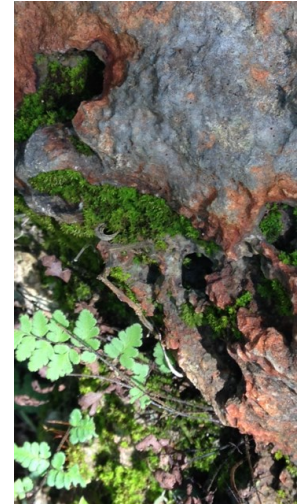
VOLUME 138

APRIL 2014

In Honor of Those We Have Lost...

In the past year we have lost several great bryologists. The IAB wants to honor these people with a special issue. If you would like to send your story for someone special, especially Ronald Arling Pursell, Jan-Peter Frahm, Valentina Yakovlevna Cherdantseva or Ray-

mond Stotler. This is an issue to celebrate their life, their science, and their friendships. We would love to have your celebration story. Send it to DB Poli at poli@roanoke.edu by April 15 for a May issue!



Call for nominations from the IAB Elections Committee

Dear IAB Members,

The IAB Elections Committee, invites all of you to nominate fellow IAB members in one of the offices that are due to be vacated:

- President
- 1st Vice President
- Four councillors

We hope you will take advantage of this opportunity to participate in your international organization. Following the closing date, we shall post election ballots for the above positions after we have consulted nominees. We would like to take this opportunity to especially thank outgoing members, First Vice President Jiri Váňa and councillors Janice Glime, Nadya Konstantinova, Nancy Slack, Claudine Ah-Peng, and Dietmar Quandt for their valuable contributions during their terms of office. We would like to encourage nominations from a broad geographical range, particularly Africa, Southeast Asia and South America. Please also consider young members as well as senior members for nominations.

For your information, the following sitting officers or councillors are already represented on the IAB and thus cannot be nominated: Jeffrey Duckett (UK, (the former president automatically become a council member for one election period), Dietmar Quandt

(Germany, as Editor of the IAB journal), Matt von Konrat (USA/NZ as Secretary/Treasurer), Noris Salazar (Panama), Rui-Liang Zhu (China), Silvia Pressel (UK), Itambo Malombe (Kenya), Yelitza León (Venezuela), Sanna Huttunen (Finland), and Alison Downing (Australia). You may send your nominations to either the acting president Dietmar Quandt (quandt@uni-bonn.de) or any member of the elections committee (Matt von Konrat <mvonkonrat@fieldmuseum.org>; Janice Glime <jmglime@mtu.edu>; Yelitza León <yeltleon@ula.ve>; Rui-Liang Zhu <lejeunea@163.com>).

If you have any questions about the election process or nominations, please do not hesitate to contact us. We will post instructions about how to vote and where to send ballot **Nominations will close April 10.**

Thank you for continued interest in IAB. Please let me know how we can serve you and the bryological community better.

Best wishes,
The Elections committee

Janice Glime
Yelitza León
Matt von Konrat
Rui-Liang Zhu
Dietmar Quandt
Juan Larraín will be Judge of the elections.

IAB meeting coming in 2015...Mark the Calendar!



I.A.B.

International Association of Bryology

Cape Horn Biosphere Reserve
Omora Park, Chile 2015

Visit: <http://chile.unt.edu/iab2015/iab-2015-abstract-submission>

Abstracts:

Deadline for submission of abstracts: Friday 31 July 2014

The format is specified below, with an example.

Please indicate at the top of your abstract whether it is intended as an "Oral" presentation or a "Poster" presentation.

Please indicate when submitting your abstract, which of the following broad categories you feel your presentation best fits: 1) Sub-Antarctic Bryology, 2) Bryophyte Biology, 3) Conservation Biology, 4) Evolutionary Community Ecology, 5) Phylogeny & Systematics, 6) Phylogeography & Biogeography, or 7) Art, Ethics, & Bryophyte Ecology

Abstract submission

Abstract format

Abstract not to exceed 300 words.

1. **Oral/poster:** Designate whether the abstract is intended for an oral or a poster presentation. A blank line should follow this information.
2. **Title:** Lower case, bold. It should be concise and informative. A blank line should follow the title.
3. **Author(s):** Lower case bold. Initials before surname and without full stop and spaces. Underline the presenting author's name. Commas be-

tween names and "and" before last author. A blank line should follow the author names.

4. **Address(es) of authors:** Lower case, italics. If more than one address, give number in superscript followed by address. See example. A blank line should follow the addresses.

5. **Text:** No indents. Separate paragraphs with a blank line. No references in abstract. No pictures or graphs in abstracts.

6. **Formatting:** Do not use special spacing or tabs. Make sure that the font for all text apart from special symbols is Times Roman 12 pt.

Abstracts which do not confirm to the guidelines will be returned to the authors for editing.

Presentations

Instructions for posters

1. Maximum size: PORTRAIT A0 Width 841mm and Height 1189 mm.
2. Include your name and affiliation on the poster. A small photograph would aid in identification of the presenting author.
3. Poster must remain on the poster boards for the entire duration of the conference and should be erected and removed by yourself.
4. Posters should be placed on a lightweight backing board.
5. A viewer should be able to read and understand the poster in less than two minutes.

Instructions for paper presentations

A data projector and computer will be provided. Please advise (with abstract submission)

1. Oral presentations will take the form of platform papers.
2. 15 minutes will be allocated for the presentation followed by 5 minutes for discussion.
3. Digital presentations should be submitted as a MS PowerPoint presentation.
4. Presentations should not be larger than 25

2015 IAB Meeting Continued...

MB.

5. Presentations can be saved either onto a flash disk or onto a CD. If saved onto a CD, save your presentation on CD-R and NOT CD-RW DISCS. When writing your CD, ensure that it is readable on all CD drives. To be on the safe side duplicate your CD; some CD drives and written CDs simply don't communicate with each other! If using a flash disk, please make sure that standard Windows XP systems can access the flash drive without additional

drivers being required.

Presenters are responsible for making sure that their presentations are loaded and work on the computers in the appropriate venues prior to the sessions in which they will present. The projectionists will assist with this operation prior to the sessions. A room will be available for previewing the presentations.

In remembrance of Raymond E. Stotler (1940 – 2013) by Robbert Gradstein

Sadly, the well-known hepaticologist Raymond Stotler passed away on 5 December 2013. Although he had forewarned me in his email of 15 November ("My cancer is now quite diffuse and not treatable with any modern methods. I am home now and have been told I likely have but a few months. I'm doing o.k. and plan to just keep fighting, eating and drinking beer..."), the end has come sooner than expected. Ray has been one of my oldest friends in bryology, both of us were "Cincinnati kids" from the lab of the late Margaret H. Fulford. Ray's dissertation was a revision of the neotropical species of *Frullania* subgenus *Thyopsiella*, one of the commonest and nastiest groups of *Frullania* in tropical America, and this scholarly piece of work has remained the indispensable tool for the identification of these plants. After his graduation Ray moved to the University of Southern Illinois at Carbondale together with his wife Barbara, like him a Fulfordian, where they remained ever since and together established a vigorous lab that soon became the leading one for hepaticology in North America. Ray's contributions to our field are

manifold and of lasting importance, I might mention the major classifications of the liverworts and hornworts of the world, the checklist for North America, both in several editions, and the series of papers on the systematic of the simple thalloids (all written with Barbara), as well as his papers on liverwort nomenclature which was one of Ray's special interests. For many years he served on the International Committee for the Nomenclature of Bryophytes, and he made important contributions to Patricia Geissler's Index Hepaticarum project and the forthcoming World Checklist of Liverworts. During our long careers Ray and I have retained an enduring friendship that has not only resulted in some joint papers (including an unfinished one that was the subject of numerous inspiring recent email exchanges) but also included many delightful encounters at international congresses and mutual visits. Ray had a warm and cheerful personality and a great sense of humor. Spending time with him was a delight and I feel highly privileged to have had him as a friend. My thoughts are with Barbara whom I wish all the best and the strength to overcome this great loss.

British Bryological Society 2014 Events

Below is a list of forthcoming meetings of the British Bryological Society (BBS) in 2014. Please go to the meetings page of the BBS website for more details (including meeting leader contact details) on any of the meetings (<http://rbg-web2.rbge.org.uk/bbs/meetings/forthcoming.htm>).



Meeting type	Location	Meeting leader	From	To
BBS National spring meeting	East Sussex & East Kent (UK)	Tom Otley	Thurs Apr 17th	Tues Apr 22nd
BBS Regional meeting	Clara bog, Offaly (Ireland)	George Smith	Sat 10th	Sun 11th May
BBS Regional meeting	Moffat Hills/ Annan Valley, Dumfriesshire (UK)	Liz Kungu	Fri 24th May	Sun 26th May
BBS Regional meeting	Mweelrea Mountains, Mayo (Ireland)	Rory Hodd	Sat 31st May	Sun 1st Jun
BBS National summer meeting	Valbona Valley National Park, Albania (UK)	Jani Marka	Sat 5th July	Sat 12 July
BBS National summer meeting	Killin, Scotland (UK)	Gordon Rothero	Sat 26th July	Sat 2nd August
BBS National autumn meeting	RBGE, Edinburgh (UK)	David Long & Liz Kungu	Sat 13th Sep	Sun 14th Sep
BBS Regional meeting	Wetton Mill and Manifold Valley, Peak District (UK)	Martin Godfrey	Sat 8th November	



Section bryologie
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Vierves-sur-Viroin
BELGIQUE



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Email: nowellia@skymet.be
Fax.: 0032 (0) 60 39 19 70



International bryological meetings - june 2014

From Venezuela

by Yelitza León

In the frame of the Venezuelan Congress of Botany held in San Cristobal in may 14 to 19 of 2013 there was a symposium named "With the hand lenses in the fungi and bryophytes of Venezuela". The idea of the symposium was to increase the interest of students in these organisms and to present the state of the research in Venezuela. Thus, Yelitza León talked about the Venezuelan mosses data base, Maria Silvina Ussher presentation was about her experience working with Alina Freire-Fierro in the Academy of Natural Sciences of Philadelphia with the project bryophyte type image gallery. Maria Silvina proposed to make a gallery for the Venezuelan types that could be on line in the Venezuelan data base of mosses. Ricardo Rico talked about the importance of studying liverworts in Venezuela. After two presentations on fungi and lichens, Efrain Moreno presented an overview about cryptogamic studies in Venezuela.

The following posters were presented:

Preliminary comparative study of morphological and molecular studies of the Venezuelan *Sphagna* María Silvina Ussher¹ y Ascanio Rojas² musgos911@gmail.com

1 Universidad de Los Andes. Facultad de Ciencias. Instituto Jardín Botánico de Mérida. Postgrado Botánica Taxonómica Neotropical. La Hechicera. 5101 Mérida. Estado Mérida. 2 Centro Nacional de Cálculo Científico Universidad de Los Andes. Edificio General Massini. 5101 Mérida. Estado Mérida.

Preliminary list of the mosses of bryophytes of *Polylepis seriace* Wedd. In Venezuela Jesús F. Delgado & Yelitza León V. jesusfranciscod@gmail.com Universidad de Los Andes. Facultad de Ciencias. Instituto Jardín Botánico de Mérida. Núcleo Pedro Rincón Gutiérrez, Sector La Hechicera, Estado Mérida. Código Postal: 5101

Molecular Identification of morphospecies from the genus *Riccardia* (Metzgeriales: Marchantiophyta) in the Laguna Negra Paramo Parque Nacional Sierra Nevada, Edo. Mérida. Flores, R.; Aranguren, C.; Castro, L.; Fermín, G. rebecalejandra27@gmail.com Laboratorio de Diversidad y Variabilidad Molecular. Instituto Jardín Botánico de Mérida. Facultad de Ciencias. Universidad de Los Andes. Mérida, Venezuela.

Contribution to the knowledge of liverwort flora (Marchantiophyta) from Bolívar State, Venezuela. Thalia Morales¹, Efraín Moreno² y Karen Perez³ thaliamorales@yahoo.com, efrainbot@msn.com 1 Fundación Instituto Botánico de Venezuela, 2 Universidad Pedagógica Experimental Libertador, Pedagógico de Caracas, 3 Universidad Central de Venezuela, Facultad de Ciencias.

The genus *Radula* Dum. Form the central región of the Coastal Cordillera venezolana. Thalia Morales¹ y Karen Perez² thaliamorales@yahoo.com, karen.sofia.13@hotmail.com 1 Fundación Instituto Botánico de Venezuela, Universidad Central de Venezuela, Facultad de Ciencias.

After the congress Yelitza León, Ricardo Rico, Maria Silvina Ussher, Jesus Delgado Rebeca Flores along with Manuel Lujan and Gabriela Ghisselli visited Tama National Park in the south west Venezuela in the border with Colombia. This locality had not been visited since the seventies; the expedition was guided by the Superintendent of the Tama National Park (INPARQUES) Sr. Pedro Pablo Perez and the park ranger Maria Higuera. Collection in the national park was not allowed at this time, because of permits issues, however we were able to make collections in this interesting paramo outside the national park area. The paramo is characterized by a *Tamania chardonii* an espeletiaie endemic the area as well as *Puya*, *Espeletia steyermarkii* to this area that includes Venezuela and Colombia. Also, the Tama area has endemic several bryophytes.



MOSS 2014: The 17th Annual Moss International Conference in Beijing China

The Physcomitrella community has been meeting around the world for the last 17 years. The next MOSS meeting is in Beijing China at the Capital Normal University from September 25-28, 2014. Information about Abstract Submission, Registration, Visa's and the Conference Site are all found on the meeting's website:
<http://moss2014.cnu.edu.cn/index.htm>.

In addition to the scientific program, the organizers have two city tours available too! The Great Wall and tombs of 13 Ming Emperors is one, while the Forbidden City and the Summer Palace round out your options! Sounds dreamy!

Conference organizers can be reached at 2014moss@gmail.com or at 5838@cnu.edu.cn



Bill Buck's Cape Horn Journey

Bill Buck has been exploring the Cape Horn region (and to Cape Horn itself) as part of the project between the Field Museum and The New York Botanical Garden to document the bryophyte diversity of the Cape Horn Archipelago for the last 3 years. His last installment for this project can be found online at:

<http://www.nybg.org/science-talk/2014/02/from-the-field-bill-buck-in-cape-horn-2014-day-1/>.



SOUSCRIPTION

NOUVEAU

La FMBDS va éditer l'ouvrage « **Mousses, hépatiques et anthocérotes du département de la Savoie (France)** », par Leica Chavoutier & Vincent Hugonnot.

Il s'agit d'un catalogue complet de la bryoflore savoyarde réalisé par les auteurs à partir de leurs données personnelles et de celles de la littérature.



Ce catalogue liste les **850 taxons** répertoriés sur la Savoie, dont plus de 600 sont illustrés.

Des cartes de répartition départementale complètent les textes.

Une analyse chorologique et écologique des taxons à valeur patrimoniale est proposée par les auteurs.

Cette synthèse devrait largement contribuer à une meilleure prise en compte de ces végétaux dans les stratégies de conservation des milieux naturels.

La souscription est ouverte jusqu'au **30 septembre 2013**, au prix de **40 euros** (+ 11 euros de frais de port France), contre 55 euros (+ port) lors de sa sortie.

Souscription à adresser à la trésorière, Martine Régé-Gianas, par chèque à l'ordre de la FMBDS, par virement ou par Paypal en indiquant « **Souscription Bryophytes** »

FMBDS

Martine RÉGÉ-GIANAS • 18 rue Pierre Brossolette • F-69210 L'Arbresle

Tél : +33 (0)4 74 26 94 27 — tresorier@fmbds.org

Coordonnées bancaires : Banque Postale, CCP 2147G LYON

IBAN : FR08 2004 1010 0700 0214 7G03 883 – BIC : PSSTFRPLYO

XIIth Australian Bryophyte Workshop

by Andrew Franks

With now less than six months to go until the XIIth Australian Bryophyte Workshop places are still available. The workshop will be held in the Mackay/Whitsunday region of central Queensland, Australia and run from the 29th of June until the 4th of July 2014. Based in the picturesque Eungella area of the Mackay hinterland, a number of sites and ecosystems within the Central Queensland Bioregion will be available for collecting.



Hillsborough. A post-workshop trip to Whitsunday Island may also be possible depending on costs and numbers.

Arrival & departure

There are direct flights into Mackay from most Australian capital cities, as well as regular bus and train services. We can transport participants from Mackay airport to Quandong Creek, but there will be limited seats available. Departure to the venue

will be from Mackay airport on the afternoon of Sunday 29 June. The return to Mackay will be during the morning of Friday 4 July, arriving at the airport at about 1 pm.

Workshop accommodation

Accommodation will be in shared facilities at Quandong Creek Rainforest Lodge, which borders Eungella National Park, approximately 70 km west of Mackay. The lodge sits 880m above sea level and is nestled within the surrounding rainforest. The lodge provides shared dormitory type facilities with camping areas also available. Each dormitory room sleeps nine in bunk beds. Quandong Creek also has tents and extra bedding available if you wish to have some privacy or peace.

Registration Fee

An early bird registration of AU\$550/person is available to those who register and pay before the 30 April 2014. From 1 May 2014, the regular registration fee of AU\$590/person will apply. The Australian Bryophyte Group provides a discount on the registration fee to a select number of students who wish to attend the workshop. To be eligible you will need to give proof of your enrolment and a presentation of your research, either as a poster or as a talk.

To apply please contact Andrew Franks



(andrew.franks@o2ecology.com.au).

Field trips and collecting

There will be daily field trips to a variety of ecosystems, including upland and lowland rainforest and wet and dry sclerophyll forest. Proposed collecting sites will include Eungella National Park, Finch Hatton Gorge, Crediton State Forest, Mount Blackwood, Conway Ranges, and Cape

How to Register

Please contact Andrew Franks (andrew.franks@o2ecology.com.au) for a registration form or for further information.

Tip of the month: rapid air drying of fresh specimens

by David Wagner

I have been doing this with excellent results since I first got the idea. I can easily dry 50 packets in a corner of my office. Hanging packets from a cord or wooden rod with clothes pins or bulldog clips, chaining one below the other up to ten hanging in a row, has proven to be an effective way to dry specimens rapidly. It takes less space than spreading out on floor or tables. See demonstration in picture attached below. Clothes pins are easiest and fastest, but bulldog clips (chain on right) are more compact to carry when traveling. A fan speeds up the process even more. Note the use of kraft paper for the packets: stronger and with better wet strength than bond paper, more porous (faster drying) than Rite-in-the-Rain paper.



THESES IN BRYOLOGY 30

William R. Buck
Institute of Systematic Botany
New York Botanical Garden
Bronx, NY 10458-5126, U.S.A.
bbuck@nybg.org

As reported in a previous issue of The Bryological Times (99: 17. 1999), the International Association of Bryologists has decided to begin a repository of bryological theses. These theses are being housed in the Library of The New York Botanical Garden. They are available via interlibrary loan. The NYBG Library online catalog (CATALPA) may be viewed at: <http://opac.nybg.org/screens/opacmenu.html>. As theses arrive, bibliographic data and a brief synopsis will be published in this column (see examples below). Bryological theses for any degree, covering any aspect of bryology, in any language, will be included. Please send theses to Bill Buck at the address above. Please refer to the preliminary notice (cited above) for information on financial assistance from IAB for reproduction of theses. The current IAB Treasurer is Matt von Konrat (mkonrat@fieldmuseum.org).

Liu, Yang. 2007. Molecular phylogenetic studies on some eastern Asian endemic genera of bryophyte. Ph.D. dissertation, The Institute of Botany, Chinese Academy of Sciences, Beijing. [vi] VII + 107 pp. In Chinese with English abstract. Current address of author: Ecology and Evolutionary Biology, 75 North Eagleville Road, University of Connecticut, Storrs, CT 06269-3043 U.S.A. E-mail: yang.liu@uconn.edu.

In this doctoral dissertation, eleven genera of bryophytes endemic to eastern Asia are examined from a molecular phylogenetic perspective, utilizing six genes (*atpB*, *rbcL*, cp-SSU, cp-LSU, 18S and 26S rDNA). The genera studied are the hepatics *Plagiochilium*, *Trichocoleopsis* and *Neotrichocolea* and the mosses *Dendrocyathophorum*, *Giraldiella*, *Pilotrichopsis*, *Pseudopterobryum*, *Meteoriella*, *Neodolichomitra*, *Actinotuidium* and *Microdendron*. For the most part, though, even using more than 10,000 bp sequences, there was little resolution among the pleurocarpous mosses. However, *Microdendron* was examined in greater detail and found to be embedded within *Pogonatum*. To address the systematic

position of *Trichocoleopsis* and *Neotrichocolea*, 13 genes were sequenced. The analyses suggest a sister relationship between the two genera, and that a new family (Neotrichocoleaceae) is appropriate, related to the Ptilidiaceae. A study of *Nipponolejeunea*, traditionally included in the Lejeuneaceae, shows it should be included in the Jubulaceae, sister to *Jubula*.

Méndez Herranz, Manuela Oriana. 2012. Asociaciones positivas de plantas vasculares y musgos a *Bolax gummifera* (Lam.) Spreng. en comunidades alto-andinas de la Isla Navarino. M.S. thesis, Universidad de Concepción, Chile. 91 pp. In Spanish with English abstract. Current address of author: A. Vespucio 195, apto. 122, Las Condes, Santiago, Chile. E-mail: momherranz@gmail.com.

This master's thesis used a methodology called Field Environmental Philosophy for integrating ecological sciences and environmental ethics through a four-step cycle: 1) interdisciplinary ecological and philosophical research; 2) composition of metaphors; 3) design of field activities with an ecological and ethical orientation; and 4) implementation of *in situ* conservation areas. The ecological research had as its main objectives: evaluate the frequency of facilitation at the final extreme of a latitudinal gradient, where the highest abiotic severity exists; and evaluate the response of mosses and vascular plants. For this, spatial associations of vascular plants and mosses with the cushion plant, *Bolax gummifera*, in high-Andes communities in the Cape Horn Biosphere Reserve on Navarino Island. It was found that cushions of *Bolax* host a greater richness of vascular plants than areas outside of cushions whereas moss species richness found within and outside the cushions did not differ. The results of this research highlights the importance of including non-vascular plants when testing the Stress Gradient Hypothesis in places of high latitude and altitude, because they are the main component of the flora and they behave differently than vascular plants. As a result, it is proposed to establish an *in situ* conservation area in the high elevations of Navarino Island.

IAB 2013 Meeting Minutes Online

by Janice Glime

President Jeff Duckett called the meeting to order at 5:40 pm. Present were Yelitza León, Dietmar Quandt, Matt von Konrat, Nancy Slack, DorothyBelle Poli, Sanna Huttunen, Alison Downing, Rui-Liang Zhu, Masanabu Higuchi, Silvia Pressel, Janice Glime, and Jeff Duckett.

President Duckett expressed appreciation to Matt von Konrat for organizing the finances.

Treasurer's Report

Secretary/Treasurer Matt von Konrat reported on the finances. Janice Glime maintained a membership email list and Excel file until he was able to create one for the IAB secretary's office.

When Matt assumed the position of treasurer, there were only a little over 100 active paid members and 500 unpaid members. Kristina Lugos created an online membership list that provided payment status to each member. The website now has a PayPal payment system that was set up by the previous treasurer, Jim Shevock. With the new system, we now have 219 paid members.

The treasurer reported that IAB has more than US \$33,000 in savings and US \$15,500 in checking. Members from countries with collectors have been a problem. IAB does not have records of most of these members. Hence, there is only 1 known paid member from Japan, 1 from China, and few or none from other countries known to have current members. IAB needs to end the country collector system and require all members to pay directly to the IAB treasurer or to PayPal. IAB will no longer collect payments for *Arctoa*. The treasurer will ask for a list of members from the country collectors and the dollar balance residing in those countries.

The Council suggested that to present at a conference one must be a member or pay more.

Student membership is free the first year. Students in some countries can't get a credit card, making PayPal payment more difficult, but PayPal permits charging to a bank account.

Matt proposed raising the dues by US \$5.00. He reported that it had cost approximately US \$500 to pay Kristina Lugos for setting up the web and database. It will cost approximately US \$500 for the website where we can upload BT. The extra \$5.00 will help pay for the new journal (*Bryophyte Diversity and Evolution*). The Council unanimously passed the proposal to increase the dues by US \$5.00, making them US \$16.00.

Bryological Times

President Duckett thanked DB Poli for her work as editor of the *Bryological Times*. She agreed to continue as editor and the Council approved the continued appointment.

Bryophyte Diversity and Evolution Report

Dietmar Quandt reported on the new publication, *Bryophyte Diversity and Evolution*. Magnolia Press, publisher of *Phytotaxa*, will publish the journal, which is replacing *Tropical Bryology*. IAB pays US \$5 per IAB member per year to Magnolia Press. It is agreed that IAB operates on 400 members in the first two years, i.e. US \$2000 per year. Back issues of *Tropical Bryology* will be available to subscribers/members. *Bryophyte Diversity and Evolution* will be available online for IAB members at no charge. Publishing for IAB members is free of charge; however, a fee applies to open access papers. Non-members will pay to cover costs to publish. Magnolia Press charges for printed volumes: cost for IAB members US \$40; institutions US \$120 (includes online access); thus, Magnolia Press will focus on recovering the costs via subscriptions by institutions. The first issue will be published in January 2014. There will be 2 issues per year with a total of 150 pages per year, or possibly more in the online version. Printed copies will be available to libraries. We have a 2-year contract with Magnolia Press and can renegotiate when we make a new contract.

Yelitza León commented that some of her constituents asked about the possibility of publishing articles in Spanish. A discussion ensued, but Councillors objected to having Spanish articles, considering that it would decrease interest in the journal and make it appear to be a second-rate journal. Others suggested that abstracts could be in Spanish. The Council objected also that there were many languages among the members and that Spanish should not be singled out as the only alternative. Members of IAB should be willing to help Spanish-speaking (and other languages) people to prepare their papers in English.

Friends of IAB

Matt von Konrat suggested creating a "Friends of IAB" to bring larger amounts of money into IAB. Members could be encouraged to include IAB in wills and bequests. This money could be used to sponsor student travel and sponsor members in countries where it is difficult to

See Page 13 for the rest

IAB 2013 Meeting Minutes (from page 12)

get money out of the country. The "Friends" could serve as an advisory board in selecting students for travel money. One member of the "Friends" could represent the group on the Council. The Council agreed that this was a good idea. Matt von Konrat and Dietmar Quandt will draft a proposal.

Conservation

President Duckett will ask for a report from Tomas Hallinbäck, chair of the Conservation Committee.

Future Meetings

We have an invitation from Bernard Goffinet and Bill Buck to go to Navarino (Patagonia) in 2015. Jeff Duckett proposed that we go to Patagonia in January. The proposal was approved unanimously. Yelitza suggested that we meet with the Latin American Bryological Society. She will invite them to join us in Patagonia.

Constitutional Changes

Dietmar Quandt stated that we need more council continuity. He proposed changes in the

Constitution articles 8, 10, and 11 to permit holding office for more than one term. See attached proposal for changes regarding council membership. The Council approved the amendments. These shall be submitted to the members for a mail ballot. Adoption shall require a favorable vote of two-thirds of the votes cast. Jeff will send out the ballot to all paid members; this must be done before the elections can go forward.

In Article 4, we need to delete "other than original research papers" to permit publication of the new journal. Dietmar will check for other changes that might be needed to allow the publication of the journal. [Note: I think Article 4 only means that original research papers should not go in the newsletter. I think we should clarify rather than delete.

Awards

Jeff will send congratulations to the award winners who are not at the conference so that they will know before others can congratulate them.

Awards were previously announced to the Council:

Hattori Prize (certificate & US \$400)

2011-2013: Janice Glime for Bryophyte Ecology ebook
Hedwig Medal (certificate and medal)

2011: Tamas Pócs

2013: Rob Gradstein

Spruce Award (certificate and plaque)

2011 Karen Renzaglia

2013 Bernard Goffinet

Grolle Award (certificate and plaque)

2011: Noris Salazar Allen

2013: Celia Sergio

Jeff will send the awards to those who were unable to attend the conference.

Respectfully submitted,

Janice M. Glime

Janice M. Glime, past president



On the Web: Bryophytes and More

German Bronze Age logboat. Go to www.archive-for-bryology.com and click on vol185., by James Dickson prof.j.h.dickson@gmail.com

Nowellia bryologica available on www.nowellia.be

<http://www.bryolab.com/>

There is now an online list of Duke's

bryophyte types, located at <http://herbarium.duke.edu/collections/bryophytes>

Richard Zander sent in this semi-permanent microslide mounts procedure. It may replace Hoyer's solution or glycerin jelly. See

<http://www.mobot.org/plantscience/resbot/Meth/WGG.htm>

ECCB (European Committee for Conservation of Bryophytes) now is open.

The address: eccbbryo.nhmus.hu

Free IAB-membership for students

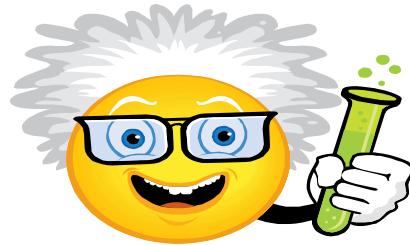
This is just a reminder that students can join the International Association of Bryologists (IAB) free for one year. Full information is on the website <http://www.bryology.org/> under the “How to Join” button. The new treasurer is Matt von Konrat. Email him at mvonkonrat@fieldmuseum.org



ATTENTION All Bryological Societies...

IAB would like to keep up with all of the Bryological Societies that exist. Please help report your information in *The Bryological Times* by supplying the editors with a contact for your society. Column space is available and we would love to showcase what your group is doing. Report local

meetings, field trips, grants and awards, etc. If you have a BT country contact (see the last page), please have them communicate with DB Poli at poli@roanoke.edu to ensure all contact information is up-to-date. We look forward to hearing from you! Thank you!



Country Contacts Help: Speak up for your part of the World

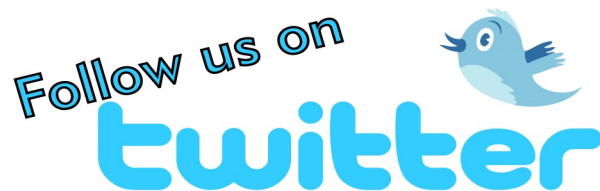
IAB and *The Bryological Times* is asking all of you to take on a leadership role to help all bryologists! Help us learn what the world's bryologists are doing by helping to communicate your country's news to DorothyBelle Poli at poli@roanoke.edu. DorothyBelle is looking to learn which countries are still not represented on our back page and then would like to find people to help with those bryological “holes.” Volunteer to help fill-in the world!

If your country is not listed on our list, please let DorothyBelle know. If you would be interested in being your country's contact or would like to find a replacement, again, please contact DorothyBelle today!



IAB on Twitter: Follow us TODAY!

You have TWO ways to follow IAB on Twitter...look for IAB by following [@IAB_Bryology](#) and by following [@TheBryoTimes](#). Following these two accounts will keep you up-to-date on the latest happenings, society news, latest issues of *The Bryological Times*, and other bryophyte internet leads. We follow back, so follow us today!



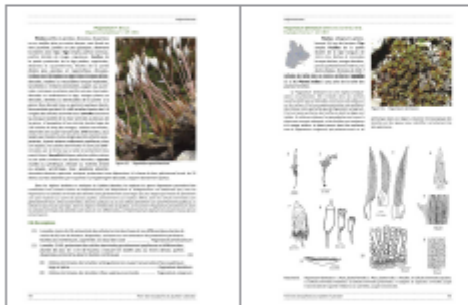


FLORE DES BRYOPHYTES DU QUÉBEC-LABRADOR Volume 2 : Mousses, première partie Auteur : Jean Faubert

RÉSUMÉ / Abstract

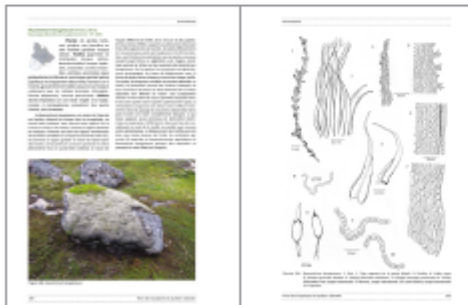
La Flore des bryophytes du Québec-Labrador se veut un recensement, une description et un moyen d'identification de toutes les mousses, hépatiques et anthocérotes qui croissent spontanément sur le territoire du Québec et du Labrador. On y trouve des clés d'identification des genres, des espèces et des taxons infraspécifiques et, pour chaque taxon, une description suffisante pour sa reconnaissance, au moyen de traits saillants et caractéristiques; une indication de l'habitat et des préférences écologiques; une carte de la répartition connue au Québec-Labrador; des commentaires additionnels; une ou plusieurs illustrations montrant les caractères servant à l'identification et des références permettant l'approfondissement des connaissances.

Sont aussi discutés ou décrits plusieurs taxons qui sont encore inconnus sur le territoire considéré mais pourront un jour y être découverts. L'ouvrage inclut également des photographies montrant l'aspect général de chaque genre, des illustrations présentant une interprétation artistique de chaque famille, un glossaire illustré, une bibliographie et une annexe proposant des noms français et anglais.



Flore des bryophytes du Québec-Labrador intends to survey, describe, and provide identification means to all mosses, liverworts and hornworts known to occur naturally in Quebec and Labrador. Identification keys to genera, species and infraspecific taxa are provided, and the following information is presented for each taxon: a short description with diagnostic characters, habitat and ecological preferences, a distribution map for Quebec and Labrador, additional comments, drawings pointing out characters useful or necessary for identification, and references to other relevant publications.

Many species which are likely to occur in Quebec and/or Labrador but have not yet been collected there are discussed or described. The book also includes photographs showing the general habit of each genus, artistic drawings depicting each family, an illustrated glossary, a bibliography, and an annex proposing French and English names.



INFORMATIONS TECHNIQUES

Citation recommandée : FAUBERT, JEAN, 2013. *Flore des bryophytes du Québec-Labrador. Volume 2 : Mousses, première partie*. Société québécoise de bryologie, Saint-Valérien, Québec, xiv + 402 p., illus.

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Pour commander / to order : www.societequebecoisedebryologie.org/

Volume 1 aussi disponible.

L'AUTEUR

Jean Faubert est né en 1955 dans la banlieue sud de Montréal. Il est diplômé en biologie à l'Université du Québec à Rimouski. Au cours des années, il s'est constitué un herbier personnel de plus de 10 000 spécimens et travaille depuis quelques années comme consultant en botanique.

Il est l'auteur d'une trentaine de publications scientifiques portant sur la bryologie, de plusieurs textes de vulgarisation sur le même sujet, et contribue au projet *Bryophyte Flora of North America*. Président de la Société québécoise de bryologie, responsable du Comité bryologie de l'association FloraQuebeca, membre des associations *American Bryological and Lichenological Society* et *International Association of Bryologists*, il est aussi le rédacteur de la revue scientifique *Carnets de bryologie* qui a vu le jour en 2011.

News from Australasia

In New Zealand, significant progress is being made by Allan Fife and Jessica Beever towards the release of the first on-line section of the long awaited Moss Flora of New Zealand. The introductory sections and Amblystegiaceae will be the first to be released. Preparation of the Flora has been a long labour of "love" by Allan Fife, ably assisted by Jessica Beever (Fissidentaceae, Pottiaceae) and with artwork by Rebecca Wagstaff. The Flora will provide a significant and thorough update on the previous work of G.O.K.Sainsbury. A significant proportion of the bryoflora is shared with Australia and the New Zealand treatment is eagerly awaited, not only by the cross-Tasman neighbours.

Preparations are continuing for two upcoming bryological workshops in Australasia: The 28th John Child Bryological Workshop meeting at Ohakune, near Mt. Ruapahu in New Zealand (contact Graham Pritchard – g.pritchard@inspire.net.nz), and the 12th Australian Bryological Workshop to be held in Queensland in the Central Mackay Coast bioregion from 29 June to 04 July 2014 (contact Andrew Franks (Andrew.franks@o2ecology.com.au)).

Chris Cargill (CANB) is pressing ahead with studies on Australian *Riccia* species. This builds on work previously done in the 1970's by Obchant Thaitong (Na-Thalang), Rod Seppelt, and later by Karen Beckmann and will involve a molecular as well as morphological assessment. The genus is far more complex in Australia than previously thought, much as Sarie Perold discovered in southern Africa.

Significant parts of the Moss Flora of Australia are now on-line. Some of the early manuscripts are being updated and Helen Ramsay has taken on the considerable job of masterminding much of the updating. Helen and Rod Seppelt are revising Bruchiaceae and Rod (together with Jessica Beever) has recently commenced a major overhaul of the original *Fissidens* manuscript. Ilma Stone was the principal author of the original manuscript, but there have been several significant subgeneric revisions since, not to mention synonymy. Rod is also preparing illustrations of the approximately 75 taxa and, as completed, these are being made available on-line.

In December 2012, Rod Seppelt retired from the Australian Antarctic Division after nearly 35 years and 42 trips to the southern polar regions. The plant collections (Antarctica, subantarctic islands, Australasia, Arctic, and many other regions) from the herbarium (ADT) have been transferred to the Tasmanian Herbarium (HO). Rod is now undertaking voluntary work through the Tasmanian Herbarium.

Chris Cargill (CANB) and Pina Milne (MEL) are working on a revision of Riellaceae in Australia. One new and very small species is about to be published. Chris is also continuing her work on hornworts and together with Rod Seppelt is about to publish a new *Megaceros* species, discovered originally on subantarctic Macquarie Island but now also known from Tasmania.

Early in 2013 Ryszard Ochyra, Halina Bednarek-Ochyra and Vitja Plasek visited Tasmania (for 10 days) and New Zealand (for 3 weeks). Ryszard and Halina were primarily chasing *Bucklandiella* and related taxa, while Vitja concentrated on Orthotrichaceae.

The first fascicle of "An illustrated catalogue of Tasmanian mosses" by Rod Seppelt, Jean Jarman, Lyn Cave and Paddy Dalton is about to be released. The catalogue will be published in several parts as illustrations are completed. The work is intended as a companion to taxonomic descriptions of Tasmanian species published in other works and features complete illustrations (plants, leaves, cells, sections), brief ecological notes, distribution of records within the state, and altitudinal range. The work is being published by the Tasmanian Herbarium.

ABrA project: The Spanish Red Data Book of Endangered Bryophytes.

Garilleti, R. & Albertos, B. 2012. Atlas y Libro Rojo de los Briófitos Amenazados de España. Ed. Organismo Autónomo Parques Nacionales, Madrid 288 pp.

The Spanish Ministry of Environment started more than a decade ago the publication of a series of Red Data Books of animals and plants. In 2008 the Ministry contacted The Spanish Bryological Society (SEB) showing their interest of including bryophytes in this series, as the first non vascular plant group.

It has been extremely helpful to have a long established and well-structured bryological society, which already had taken interest in this project back in 2003, when Ricardo Garilleti was the President of the Society and took the lead in this challenging project. Unfortunately we could not get financial support at that time and the project had to sleep some years until the Ministry knocked our door. Now ABrA Project (Atlas y Libro Rojo de los Briófitos Amenazados de España) has a book and an on-line version (www.uv.es/abraesp) with species fact sheets for 74 species.

This project owes much to previous works like the explorations of less studied areas in the country in the frame of SEB meetings, the cartographic project held in Barcelona (<http://briofits.iec.cat>), the existing checklists and red lists for the Peninsula and archipelagos (<http://pagines.uab.cat/briologia/en/content/bryophyte-lists>, Sérgio et al. 2007, González-Mancebo et al., 2008) and of course to FBI project (Spanish Bryological Flora, Guerra & Cross, 2006-). The latter is the first collaborative project countrywide and has led to extensive revisions of herbarium materials, both things clearing the path to ABrA.

Contents

The contents of the book include two methodological chapters written by the coordination team with comments on the main problems in demographic studies on bryophytes and the type of information we have used in this work.

The fourth chapter is the biggest one and draw together 74 species –56 mosses and 18 liverworts- that mean a quarter of the total Spanish red list. This group of species cover all possible categories of threat, from EX to NT. The species fact sheets provide pictures and morphological descriptions of the species, as well as facts about reproduction, ecology and geographical distribution in Spain and worldwide. The status of conservation of each species is detailed in terms of fragility, threats, key areas for conservation,

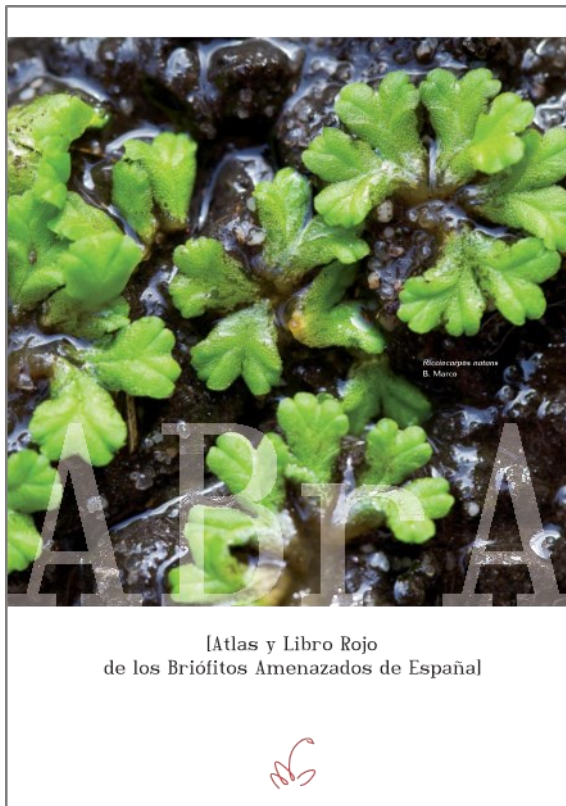
legal protection, and management recommendations. They also include a summary table with the demographic information used for the evaluation of the species following IUCN 2011 criteria and categories.

The last chapter, prepared by M. Infante and P. Heras is a proposal of Important Bryophyte Areas (IBrA) in Spain. It is made on the basis of number of red listed species, presence of endemic and rare plants and floristic richness. A form was produced to collect information from authors, and 40 areas were selected: 20

Main IBrA and 20 secondary IBrA. The IBrAs fact sheets include a description of the habitat, the list of threatened species present in the area, and bibliographic references.

Authors

This book is not only the compilation of existing knowledge. It is also the result of a great fieldwork effort made by highly trained specialists. The authors of the species fact sheets obtained reliable estimations of populations sizes and looked for signs of decline and possible threats. They explored the country for new findings and carefully checked previously known localities. The project could not be possible without the contribution of such a skilled team of professionals: 32 authors in 10 research teams almost all of them from the Spanish Bryological Society.



Continuation of ABrA Project (page 18)



The University of Valencia (UV) provided the space to place the website of the project and made it an official online publication, so the information was available before the paper version was published and gives us the opportunity of keeping the work updated and reach a wider audience. Basic contents are also in English, but not the species fact sheets nor the IBrA.

Tragsatec S.A. kindly made the layout of the book and provided the cartographic layer to make this book visually coherent with the rest of Spanish Red Data Books. Thanks to them our work results more appealing and very nicely printed.

Future

We would like this book to be the first volume of ABrA. Now that we have established a methodology and a successful collaborative working process, the target should be to cover 272 species nowadays in the Spanish red list and to keep the information updated. The current economical situation and the priorities that are lately being

fixed in Spain are not very promising for ABrA. Nevertheless, we hope that in the future we can retake a more reasonable thinking, because no coherent management or policy can be drawn if there is no reliable information behind.

Paper version:

Garilleti, R. & Albertos, B. 2012. Atlas y Libro Rojo de los Briófitos Amenazados de España. Ed. Organismo Autónomo Parques Nacionales, Madrid 288 pp.

Downloadable pdf of Paper version:

http://www.magrama.gob.es/es/biodiversidad/publicaciones/Briofitos_tcm7-260638.pdf

http://www.uv.es/abraesp/ABrA/Atlas_files/Garilleti%20%26%20Albertos%202012%20-%20ABrA.pdf

On line version:

Garilleti, R. & B. Albertos (Coords.) 2011-. Atlas de los briófitos amenazados de España. Universitat de València. www.uv.es/abraesp

New Red List of Bryophytes in the Netherlands

by Laurens Sparrius

Recently an updated Red List of Dutch bryophytes has been published, which replaces the 2000 version. All 517 Dutch species were assessed by combining current rarity and trend between 1950 and 2012, each in four classes. These 16 combinations range from extinct and critically endangered to least concern. Trend and frequency was calculated using the Frescalo program (Hill 2012) and yielded excellent results compared to earlier methods for estimating species frequency with incomplete survey data in 5 x 5 km squares. The Red List comprises 22 Regionally Extinct, 27 Critically endangered, 52 Endangered, 43 Vulnerable and 102 Near Threatened species. 46% of the species is Red Listed. The most important pressures and threats are nitrogen deposition and the lowering of groundwater tables, causing species from nutrient poor and wet habitats to decline. Even once quite common heathland species such as *Lophozia ventricosa* are now on the list. Species

that are not red listed anymore include several epiphytes, some forest floor species which have recovered further due to lower air pollution levels, dead wood species and some early successional species (such as *Bryum knowltonii*) which benefit from nature restoration projects carried out during the past decades.

Siebel, H.N., R.J. Bijlsma & L.B. Sparrius (2013) Basisrapport voor de Rode Lijst Mossen 2012. [BLWG-rapport 14](#) (in Dutch). and the [technical document](#) describing the application of the method developed by Hill including VBA code (in English).

More information: Laurens Sparrius (Dutch Bryological and Lichenological Society)

The Curious Case of the Lavoir Moss, *Fissidens fontanus*, in Haute-Saône, Franche Comté, France

By James Dickson, Geneviève M-J Lécrivain, Albert Piguet and Giles Bailly

As late as the 1960s in at least the rural parts of Haute-Saône there were numerous functioning lavoirs (communal wash houses where the women did the family laundry). Many were constructed throughout the 19th century, some even earlier. Each village had one or more, indeed in some of the bigger settlements there were several. The end came for lavoirs with the provision of indoor running water and washing machines. Many lavoirs have long since been abandoned, even completely removed, or converted to other purposes. Basic or elaborate, they came in many shapes and sizes though most were rectangular and roofed with an open side or sides. Usually a cast-iron drinking trough for livestock was an exterior part of the building. Some lavoirs are sufficiently architecturally significant to be officially protected.

The lavoirs could be situated at the edges of streams or rivers but many took water directly from springs. Though without their original purpose, not a few have been retained with clean flowing water and they have both plant and animal aquatic inhabitants (algae, bryophytes and invertebrates). We have never noticed any aquatic birds such as ducks in a lavoir, either roofed or entirely open to the elements.

One of the commonest mosses in the Haute-Saône lavoirs is *Fissidens fontanus* (*Octodiceras fontanum*). It grows completely submerged, sometimes in abundance, in those lavoirs that have clean but not stagnant water. It is occasionally up to about ten cm long but usually much less (Photo. 1). No capsules have ever been seen in Haute-Saône or in all France or Britain or indeed anywhere in Europe. So, the moss does not spread by spores which, in any case, would be dispersed by water, not by air. It is highly improbable that the lavoirs on springs all arise from the same aquifer. How therefore does the moss spread from lavoir to lavoir? This pertains even to small leafy fragments which obviously propagate the moss (Photos 2 and 3). It is a



Photo1. *Fissidens fontanus* more than 8cm long from the lavoir at Montot, Haute-Saône.

puzzle.

Until very recently a connected



Photo 2. The lavoir built in 1895 at Vouchoux, Haute-Saône.

question was why had the moss almost never been recorded growing in the River Saône or its tributaries? The only record was from the River Doubs in 1928. Local botanists noticed the occurrences of *F. fontanus* in a lavoir in 1922 but recently there has been an upsurge in successful searching. Of course it is much easier to find a submerged moss in a lavoir than in the large turbid river like the Saône. Jan-Peter Frahm tells us that over the last thirty years *F. fontanus* has been spreading along rivers in Germany reaching both Berlin and Hamburg. Once it had been found in the French lavoirs hunts began of more lavoirs. Hence the large number of new records compiled by Al-

bert Piguet. Now, however, it is no longer true that it is not in the Haute-Saône rivers. In 2011 Gilles Bailly found it in the Durgeon, a tributary of the Saône, in the middle of the town of Vesoul and in 2012 Geneviève and I found it in the Saône itself at the village of Cubry-lès-Soing.

So the intrigue grows. Has the moss been lurking unseen but common in the rivers for many years or is it undergoing a recent spread as in Germany? Without more searches of the Saône it's hard to tell. Fur-



Photo 3. Many small tufts of *Fissidens fontanus* on the bottom of the washing tanks at Vouchoux.

thermore, did *F. fontanus* somehow move from the rivers to the lavoirs or vice versa? In any case, there still remains the puzzle how can it get from one lavoir to another (if indeed that happens).

We hope to publish a fully detailed account soon.

Ferrez, Y. et al. 2001. *Atlas des plantes rares ou protégées de Franche-Comté*. Bersançon; Naturalia Publications.

Piguet, A., Vadam, J.-C., Caillet, M. and Bailly, G. 2007. Nouvelles localités comtoises d'*Octodiceras fontanum* (Bachelot de la Pylaie) Lindberg. *Les Nouvelles Archives de la Flore Jurassienne* 5, 151-160.

Piguet, A. 2009. Encore des nouvelles localités comtoises d'*Octodiceras fontanum* (Bachelot de la Pylaie) Lindberg. *Les Nouvelles Archives de la Flore Jurassienne* 7, 93-95.

New Literature

by Robert Gradstein

New handbook of bryophyte chemistry

Asakawa Y., A. Ludwiczuk & F. Nagashima 2013. **Chemical Constituents of Bryophytes – Bio- and chemical diversity, biological activity, and chemosystematics. Progress in the Chemistry of Organic Natural Products 95: 1-796.** Springer, Wien, Heidelberg, New York. ISBN 978-3-7091-1083-6. Hardcover. Price varying from 135 € to 345 €, without postage (see online offers of various booksellers).



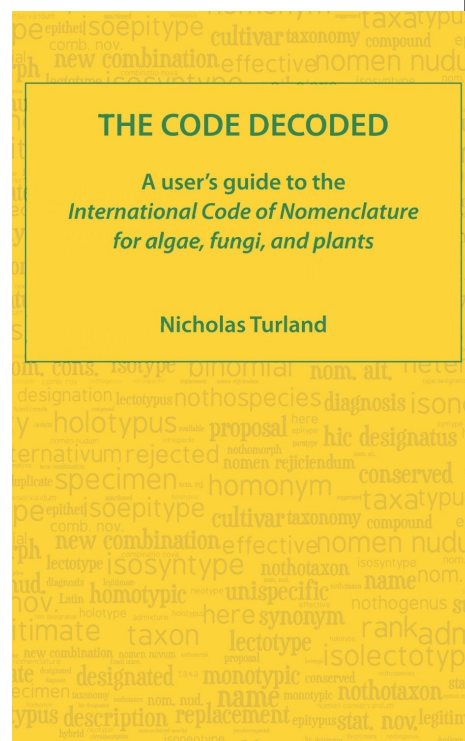
provided to explain basic, and frequently poorly understood matters such as the differences between effective, valid, legitimate and correct names, between names and taxa, best practice of publishing new names, best practice of typification, etc. A detailed list of abbreviations, acronyms, symbols and Latin words used in nomenclature, and a detailed subject index are further important tools to familiarize oneself with the subject and quickly access the text. *The Code Decoded* is a long-awaited, user-friendly introduction to nomenclature. A must for everybody interested in taxonomy, not only for students and laymen but also for professionals.

This book is the third review on the chemical constituents of bryophytes in the series "Progress in the Chemistry of Organic Natural Products" of Springer Verlag, and deals with the data published since 1995. Earlier reviews, by Y. Asakawa as the single author, appeared in 1982 (vol. 42: 285 pp.) and 1995 (vol. 65: 618 pp.). The present work, a stout volume of almost 800 pages, is a mine of information on bryophyte chemistry. It describes the structure, synthesis, biological activity and the taxonomic occurrence of more than 2000 (!) chemical compounds of liverworts, mosses and hornworts, with a bibliography of almost a thousand references. The amount of information available of the chemistry of bryophytes is really staggering. The data show that the three groups are bryophytes are chemically very different and have numerous unique chemical compounds. Many of these show important biological activity and are phylogenetically informative, especially among liverworts. The data clearly show that *Takakia*, in spite of its moss-like sporophyte, is chemically a liverwort. The book is a goldmine of information, a bible on the subject and a must for those interested in the chemistry and evolution of bryophytes.

The Code of Nomenclature explained

Turland N. 2013. **The Code Decoded – A user's guide to the International Code of Nomenclature for algae, fungi and plants. Regnum Vegetabile 135: 1-169. Published for the International Association of Plant Taxonomists (IAPT) by Koeltz Scientific Books, Germany. ISBN 978-3-87429-433-1. Hardcover. Price: 43 € without postage; IAPT members / subscribers on TAXON receive 20% discount.**

To many of us, the Code of Nomenclature is an intimidating, not very inviting work. The present book helps in getting access to this work, by explaining the principles and rules of nomenclature and the content of the Code in a clear and relatively simple manner. The text is organized in fifteen chapters, each dealing with a different aspect of nomenclature, such as "*Basic concept and terms*", "*How to publish a new name*" (or avoid doing so), "*How to find the correct name for a taxon*", "*How to designate a type*", "*How to cite authors of plant names*", "*How to spell plant names correctly*", and even "*How to change the Code*". Bulleted lists, tables, key words and boxes in boldface are



Allan Water Dunblane Scotland, *Bryum capillare*

Submitted by Peggy Edwards



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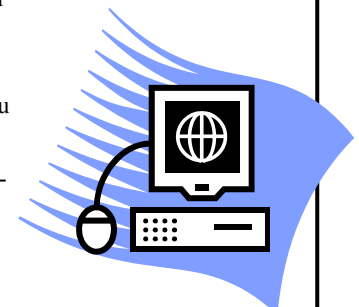
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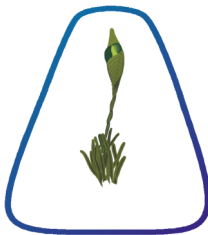
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IAB is on the Web:
<http://bryology.org>

IAB



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The International Association of Bryologists (IAB) is an organization open for all interested in bryophytes. For membership contact Matt von Konrat at mvonkonrat@fieldmuseum.org. Visit the IAB website: <http://bryology.org> for further information or to pay using PayPal.

The Bryological Times was founded in 1980 by S. W. Greene (1928-1989) as a newsletter published for the IAB. Items for publication in The Bryological Times are to be sent to the Editors, Regional Editors, or to the Column Editors. The newsletter is issued 3 to 4 times per year.

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