



Newsletter N° 43 (1-2)

December 2016

OPTIMA *Newsletter*

OPTIMA Newsletter is a news journal for the presentation and discussion of issues pertinent to Mediterranean botany, published by the Secretariat of the Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area.

OPTIMA Secretariat
Via Lincoln 2/A
I-90133 Palermo, Italy.
Tel.: + 39 091 23891209
Fax: + 39 091 6165997
E-mail: secr@optima-bot.org
<http://www.optima-bot.org>

ISSN: 0376-5016 printed; 2225-6970 online 43: 1-16, (1)-(20), (2016), OPTIMA Newslett.
DOI: 10.7320/OptNewslett43.0.1

The *OPTIMA Secretariat* gratefully acknowledges the support of:



Orto Botanico ed Erbario Mediterraneo
Università degli Studi di Palermo

OPTIMA *Newsletter*

Editors: G. Domina and W. Greuter

Layout: M. J. Albert

Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area

Executive Council 2013-2019

Francesco M. Raimondo, Italy (President)
Georgia Kamari, Greece (Vice-President)
Gianniantonio Domina, Italy (Secretary)
Magda Bou-Dagher, Lebanon
Mohammed Fennane, Morocco
Vernon H. Heywood, U. K.
Karol Marhold, Slovak Republic
Benito Valdés, Spain
Olja Vasić, Serbia
Werner Greuter, Switzerland (Permanent Guest)

Auditors

Pietro Mazzola, Italy
Riccardo Guarino, Italy

International Board 2013-2019

Executive Council and:
Mariam Aghababayan, Armenia
K. Husnu Can Baser, Turkey
Theophanis Constantinidis, Greece
Tuna Ekim, Turkey
Eleonora Gabrielian, Armenia
José M. Iriondo, Spain
Daniel Jeanmonod, Switzerland
Stephen Jury, U. K.
Joël Mathez, France
Frédéric Médail, France
Yamama Naciri, Morocco
Christoph Oberprieler, Germany
Silvano Onofri, Italy
Dražena Papeš, Croatia
Fátima Sales, Portugal
Sonja Šiljak-Yakovlev, France
Pertti Uotila, Finland
Ernst Vitek, Austria
Vladimir Vladimirov, Bulgaria

P U B L I C A T I O N S O F F E R

BARTER SPECIMENS FOR OPTIMA MEMBERSHIP AND BOCCONEA

Through an agreement between OPTIMA and the Herbarium Greuter Foundation, you may pay OPTIMA membership fees, or purchase volumes of *Bocconea*, by sending herbarium specimens to the Herbarium Greuter in Palermo. The following conditions apply:

1. Only specimens from the following areas are acceptable: peri-Mediterranean countries (except Italy and France), plus Portugal and Bulgaria, the Atlantic Islands (Macaronesia), and the domain of Boissier's "Flora Orientalis" (Middle East, Transcaucasia, Crimea). Material from the country of residence (if part of this area) should be given preference.
2. The herbarium specimens must be unmounted, in good condition, identified, and contain complete information on readable, durable labels. The Herbarium Mediterraneum reserves the right to return specimens judged to be of insufficient quality.
3. Each herbarium specimen will be worth 1 € Each delivery will consist of a minimum of 30 herbarium sheets.
4. Each mailing will include the sender's name, the number of herbarium specimens sent, the credit earned and the purpose it is to be used for.
5. The specimens and form will be mailed to: Herbarium Mediterraneum Panormitanum, Herbarium Greuter, Via Lincoln 2, I-90133 Palermo, Italy.
6. Please also send a communication by E-mail, to the OPTIMA Secretariat in Palermo (e-mail: secr@optima-bot.org).

ORDINARY AND INSTITUTIONAL OPTIMA MEMBERS ARE ENTITLED TO REDUCTIONS ON THE PRICES OF SEVERAL PUBLICATIONS

WHEN ORDERED FROM THE OPTIMA SECRETARIAT

From the OPTIMA Secretariat

Med-Checklist. Volumes 1, 2, 3 and 4 are available for OPTIMA members with a special discount (reduced prices: 83€, 101€, 92€ and 117€ respectively, including shipping charges). Please ask for further information at the following address: OPTIMA Secretariat, via Lincoln 2/A, I-90133 Palermo, tel. +39 09123891209, e-mail: secr@optima-bot.org.

F. M. Raimondo & W. Greuter (eds.) *Flora Mediterranea* and *Bocconea* are published by the *Herbarium Mediterraneum Panormitanum* under the auspices of OPTIMA. These publications cover articles dealing with plant geography, floristics and systematic botany in its widest sense, relating to Mediterranean plants of all groups, whether living or fossil. A special emphasis is placed on articles that exceed national limits in coverage or by their general interest. *Flora Mediterranea* is a journal published annually with a variety of articles whereas *Bocconea* is devoted to monographic subjects:

- Vol. 1: Results of the First "Iter Mediterraneum" in south-eastern Spain, June-July 1988.
- Vol. 2: A check-list of Sicilian fungi.
- Vol. 3: Results of the Second "Iter Mediterraneum" in Israel, March-April 1989.
- Vol. 4: Current research on the biology of threatened plant species of the Mediterranean Basin and Macaronesia: a database.
- Vol. 5: Proceedings of the VII OPTIMA Meeting in Borovetz, 18-30 July 1992, (I and II).
- Vol. 6: Contributions towards a checklist of Mediterranean Lichens (out of print).
- Vol. 7: Proceedings of the Workshops on "Conservation of the Wild Relatives of European Cultivated Plants".
- Vol. 8: Catalogue des plantes vasculaires rares, menacées ou endémiques du Maroc.

- Vol. 9: The systematics of *Anthemis* L. (Compositae, Anthemideae) in W and C North Africa.
- Vol. 10: An annotated checklist of the flora of the Abruzzo.
- Vol. 11: Results of the Fourth "Iter Mediterraneum" in Cyprus, April 1991.
- Vol. 12: Catalogue of the benthic marine macroalgae of the Italian coast of the Adriatic Sea.
- Vol. 13: Proceedings of the IX OPTIMA Meeting. Paris, 11-17 May 1998.
- Vol. 14: Checklist of the Lichens and lichenicolous Fungi of the Iberian Peninsula and Balearic Islands.
- Vol. 15: The official Flora of Sannio (Benevento, SE - Italy).
- Vol. 16: Proceedings of the X OPTIMA Meeting. Palermo, 13-19 September 2001, (I & II).
- Vol. 17: Results of the Third "Iter Mediterraneum" in Sicily, May-June 1990.
- Vol. 18: Identification key and description of Mediterranean maquis litter microfungi.
- Vol. 19: Proceedings of the VI Conference on Plant Taxonomy in Alghero, 31 May - 2 June 2003.
- Vol. 20: A catalogue of plants growing in Sicily.
- Vol. 21: Proceedings of the XI OPTIMA meeting in Beograd, 5-11 September 2004.
- Vol. 22: Check-list of the Hornworts, Liverworts and Mosses of Italy.
- Vol. 23: Proceedings of the XII OPTIMA Meeting Pisa, 10-16 September 2007.
- Vol. 24: Proceedings of the XIII OPTIMA Meeting Antalya, 22-26 March 2010.
- Vol. 25: Results of Seventh "Iter Mediterraneum" in Peloponnese, Greece, May to June 1995.
- Vol. 26: Results of fifth "Iter Mediterraneum" in Morocco, 8-27 June 1997.
- Vol. 27: Results of 12th "Iter Mediterraneum" in Tunisia, 24 March - 4 April 2014. / The Libyan Collections in FI (Herbarium Centrale Italicum and Webb Herbarium) and Studies on the Libyan Flora by R. Pampanini, Part

(*Flora Mediterranea* and *Bocconea* are available for OPTIMA members with 70% and 30% of discount respectively)

Please send your orders to the OPTIMA Secretariat by e-mail

PUBLICATIONS ORDER FORM

Please send me the following publications (postage expenses are included in the shown prices if not explicitly indicated):

Volume	Price	OPTIMA member Price	Shipping cost
<i>Med-Checklist</i> (Volume 1)	€90	€9073	€10
<i>Med-Checklist</i> (Volume 2)	€121	€121 91	€10
<i>Med-Checklist</i> (Volume 3)	€102	€102 82	€10
<i>Med-Checklist</i> (Volume 4)	€134	€ 134 107	€10
<hr/>			
<i>Flora Mediterranea (Volumes 1-26)</i>			
	Price	OPTIMA member Price	Shipping cost
Each volume	€50	€15	€10
<hr/>			
<i>Bocconea</i>			
Volume	Price	OPTIMA member Price	Shipping cost
1	€55	€38	€10
2	€55	€38	€10
3	€55	€38	€10
4	€55	€38	€10
5 (I & II)	€200	€140	€10
6	€55	€38	€10
7	€75	€52	€10
8	€50	€35	€10
9	€55	€38	€10
10	€55	€38	€10
11	€55	€38	€10
12	€55	€38	€10
13	€75	€52	€10
14	€55	€38	€10
15	€50	€35	€10
16 (I & II)	€140	€98	€10
17	€55	€38	€10
18	€50	€35	€10
19	€55	€38	€10
20	€95	€66	€10
21	€55	€38	€10
22	€50	€32	€10
23	€55	€38	€10
24	€55	€38	€10
25	€50	€38	€10
26	€50	€38	€10
27	€50	€38	€10

Proceedings of OPTIMA Meetings

Number	Price	Member Price	Shipping cost
II	€60	€48	€10
V	€125	€100	€10
VI	€60	€48	€10
VIII	€45	€75	€10
VII, IX, X, XI, XII, XIII see Boccone vol. 5, 13, 16, 21, 23, 24			

OPTIMA Newsletter, issues:

5, 6, 7, 8-9, 10-11, 12-13, 17-19, 20-24, 25-29, 30, 31, 32, 33, 34, 35, 36, 37(1), 37(2), 38(1-2), 39 (1-2), 40(1-2), 41(1-2), 42(1-2)

	Price	Member Price	Shipping cost
per issue	€10	€5	€6

OPTIMA Leaflets, issues:

24-29, 81-95, 113, 114, 115-124, 125-129, 130-134, 135-140, 141-147, 148-156, 157-164, 165-171, 172-177, 178-189, 190-198, 199-200, 201-215

	Price	Member Price	Shipping cost
per issue	€16	€8	€6

Publications on Orchids: 1) Willing & Willing 1979: Index der Verbreitungskarten für die Orchideen Europas und der Mittelmeerländer; 2) Baumann & al. 1981: Orchideenforschung und Naturschutz im Mittelmeergebiet Internationales Artenschutzprogramm; 3) Künkele & Paysan 1981: Die Orchideenflora von Euböa (Griechenland); 4) Del Prete & Tosi 1981: Orchidee spontanee dell'Argentario; 5) Gözl & Reinhard 1984: Die Orchideenflora Albanien; 6) Lorenz & Gemhardt 1987: Die Orchideenflora des Gargano (Italien); 7) Baumann & al. 1989: Die nomenklatorischen Typen der von Linnaeus veröffentlichten Namen europäischer Orchideen; 8) Künkele & Lorenz 1990: Die Orchideen in dem Bilderwerk des Carolus Clusius.

	Price	Member Price	Shipping cost
per issue	€20	€10	€6

Publication on Lichens: Nimis & Poelt 1987: The lichens and lichenicolous fungi of Sardinia.

	Price	Member Price	Shipping cost
	€30	€15	€6

Orders:

Send all orders to the OPTIMA Secretariat, via Lincoln 2, I-90133 Palermo, preferably by e-mail (secr@optima-bot.org). **Payment is required in advance. Please contact the secretariat for multiple dispatches.**

Payment:

- By Paypal or Credit card, send an email to the secretariat (secr@optima-bot.org) to receive further instructions.
- I am sending a bank transfer to the OPTIMA, account No. 240-396199-M3T (IBAN: CH79 0024 0240 3961 99M3T; BIC: UBSWCHZH80A), Union Bank of Switzerland, CH-8401 Wintherthur, Switzerland. (Please, include photocopy of bank slip).
- Please send me a pro-forma invoice (items sent upon receipt of payment).

O P T I M A M E M B E R S H I P

Membership categories

Ordinary members receive announcements, circulars and the OPTIMA Newsletter via e-mail (or the latter in print, against extra charge), a free subscription to *Flora Mediterranea*, benefit from reduced rates on page charges for papers in *Flora Mediterranea*, on for selected publications and on registration for OPTIMA Meetings, and have all the rights and benefits of being a full member.

Online Only members receive links for downloading *Flora Mediterranea*, announcements, circulars and the OPTIMA Newsletter via e-mail, benefit from reduced rates on page charges for papers in *Flora Mediterranea*, for selected publications and on registration for OPTIMA Meetings and have all the rights and benefits of being a full member

Institutional members, in addition to the Ordinary members, also receive a free subscription to *Bocconea*.

Associate members receive the newsletters and the circulars, but are not entitled to any other benefits.

Associate membership will become effective immediately upon receipt of the signed application form. Ordinary, Online Only or Institutional membership will become effective upon receipt of the signed application form and payment of the membership fee for the current year.

Current membership rates:

Ordinary (personal) members:	€ 40.00
Online	€ 20.00
Life membership:	€600.00
Institutional members:	€100.00

Thanks to an agreement signed with the Società Botanica Italiana, it has become possible to pay the Membership dues for both associations – SBI and OPTIMA – with a single money transfer, and at the same time to benefit by a discount.

OPTIMA Ordinary + SBI:	€110.00
OPTIMA Online + SBI.....	€ 92,50
OPTIMA Ordinary + SBI + Plant Biosystems:	€137.00
OPTIMA Online + SBI + Plant Biosystems:	€119.50

Payments can be made in one of the following ways:

- Credit-card or PayPal account by PayPal, please send an e-mail to the Secretariat (secr@optima-bot.org).
- Bank transfer to OPTIMA, account No. 240-396199-M3T (IBAN: CH79 0024 0240 3961 99M3T; BIC: UBSWCHZH80A), Union Bank of Switzerland, CH-8401 Wintherthur, Switzerland.
- International bank cheque or Eurocheque sent to OPTIMA Secretariat in Palermo.

Please, make sure your name is clearly written on your payment. Advance payment for two or more years, at current membership rates, are accepted. Pro forma invoices (also for life membership) and receipts of payment will be sent upon request.

Please send this order form to: OPTIMA Secretariat - Dr G. Domina, via Lincoln, 2. I-90133 Palermo, Italy.

O P T I M A N E W S

by Gianniantonio Domina

OPTIMA Newsletter n° 43 continues the standard followed in the previous issues. The Newsletter is divided into two parts, the first with the News and the second with the Notices of Publications. The first section regarding news has become gradually thinner due to the fast and cheap channel represented by e-mail. The news here reported are only those that it makes sense to also produce as hard copy.

Short news from OPTIMA Commissions are included, limited to those that reported activity in 2015 and 2016 up to now.

SECRETARIAT

2015-2016. The Secretariat kept OPTIMA's and the accounts of the Publications, Itinera Mediterranea and Prize Commissions. It also administered the membership files and managed the distribution and sale of OPTIMA's publications. It worked as a liaising centre for the Council and Board members and the working groups and commissions of our Organization. The Website News section, and regular e-mailing, were the most used ways to communicate with OPTIMA members.

DEATHS

Prof. Jean M. Géhu (Bailleul, France), died 15 February 2014.

Prof. Hans Runemark (Lund, Sweden), died 11 December 2014.

Prof. Loutfy Boulos (Cairo, Egypt), died 27 April 2015.

Prof. Pierre Quézel (Bouches-du-Rhône, France) died 21 October 2015.

Dr Franz Speta (Linz, Austria), died 5 December 2015.

Prof. Avinoam Danin (Jerusalem, Israel), died 12 December 2015.

UPDATES ON COMMISSIONS

During the last OPTIMA Meeting, held in Montpellier, the 6-11 June 2016, the new *Commission for Mediterranean ethnobotany* was created and the *Web Commission* was resurrected. This in order to better adapt the coordination activities to the new research trends. The International Board and the Execu-

tive Council, during the joint session of 6 June 2016, decided that OPTIMA would have a new website more user friendly with different languages.

HERBARIUM AND LIBRARY COMMISSION COMMISSION

The Commission has as its main goal the furthering of the OPTIMA Herbarium and Library in Palermo. This designation was conferred by the International Board of OPTIMA to the Herbarium Mediterraneum Panormitanum in Palermo, in recognition of the furthering of OPTIMA through that institution and in order to encourage its further growth and expansion into a main, centrally situated institution for the investigation of the Mediterranean flora. Its principal purpose is to encourage Mediterranean botanists

- to send their botanical publications to the OPTIMA Library;
- to donate sets of their plant collections to the OPTIMA Herbarium in Palermo; and
- to make full use of the Palermo collections for their own research purposes.

The Palermo collections consist of two separately administered but closely interlinked parts: the Herbarium Mediterraneum (PAL) of Palermo University, founded 1795, which includes the historically important Herbarium Siculum and also the books and journals received in exchange for OPTIMA's own journals, *Flora Mediterranea* and *Bocconeia*; and the Herbarium Greuter (PAL-Gr), with its associated Library, donated in December 2008 to the Università degli Studi di Palermo by OPTIMA's co-founder and past president, Werner Greuter.

In a time when university-based research collections suffer great hardship due to the financial constraints under which universities in general, and Italian universities in particular, must operate, it is comforting to know that both parts of the OPTIMA Herbarium

and Library benefit of support that is independent from and additional to university funding. The International Foundation “Pro Herbario Mediterraneo”, founded and administered by OPTIMA President Francesco Maria Raimondo, and the Foundation Herbarium Greuter, run personally by its patron, ensure the continued, sustainable functioning of the botanical collections in Palermo.

Triennial report (2013-2015)

The Commission’s activity report for the triennial 2013-2015 focuses on the Greuter collections, which are of central interest for OPTIMA’s purposes.

The Greuter Herbarium

At the beginning of 2013, the holdings of the Greuter herbarium consisted of a general collection (55,000 specimens), the herbarium of Father Pierre Gave, acquired ca. 1970 (ca. 30,000 specimens, mainly SW-European), that of Dr. Antoine Bras, acquired in 2008 (ca. 30,000 specimens, mainly S France), and the main duplicate set of the Herbarium Phitos & Kamari, received in 2011 (6,800 specimens from Greece). The total number of mounted and inventoried specimens was about 64,000, the estimated total, of > 120,000.

In 2013 an important donation was received through the good offices of Prof. Dimitrios Phitos: The heirs of the well-known Greek botanist Leonidas Pinatzi offered to PAL-Gr his important, mainly Greek plant collections of ca. 25,000 specimens, not counting duplicates. Other accessions, through purchase, gifts, exchange and own collecting activity, totalled ca. 10,000 specimens during the last triennium, so that the estimated total holdings now approach 160,000 specimens, of which over 90,000 are now mounted and inventoried. Over the triennium, the respective rates of increase are 30 % and 40 %, respectively.

The holdings of PAL-Gr are primarily C and S European, with emphasis on Greece, but there are also sizeable amounts of material from overseas, both from Mediterranean-climate (Australia, S Africa) and other areas (Caribbean). From an OPTIMA point of view, the presence of sets from several Itinera Mediterranea may be noted: Iter I to SE Spain, Iter III in Sicily, Iter V to Morocco, Iter VII through the Peloponnese, and most recently Iter XII to Tunisia. For some of them, PAL-Gr took charge of the identification, labelling, and distributing the material. Also, high-resolution digital images of selected portions have been taken, and more are being added, that can be viewed at:

http://147.163.105.223/herbarium_vsimple_en.asp

A series of “Occasional Papers from the Herbarium Greuter” is being published at irregular intervals, in conjunction with other journals. The following have been published to date:

- N° 1 (2012): Results of the seventh “Iter Mediterraneum” in the Peloponnese, Greece, May to June 1995 (by W. Greuter). – *Bocconea* 25 [127 pp.].
- N° 2 (2015): Roxburgh’s *Cynoglossum marifolium* (Boraginaceae) – reassessment and typification of a long forgotten name (by W. Greuter). – *Fl. Medit.* 25 (Special Issue): 157–166.
- N° 3 (2015): Results of the 12th “Iter Mediterraneum” in Tunisia, 24 March – 4 April, 2014 (G. Domina, R. El Mokhni, W. Greuter & F. M. Raimondo [ed.]). – *Bocconea* 27(1) [77 pages].

Some funds have been (and can be) made available toward subsidising visits to PAL-Gr for the purpose of studying its collections, or collecting expeditions when one series of the collected material is being deposited in PAL-Gr. Please enquire.

The Herbarium PAL-Gr welcomes additions of well prepared and well labelled specimens, particularly from the Mediterranean area. It sees it as one of its core functions to preserve, process, and make publicly available on a permanent basis collections that might otherwise, in the medium or long term, become inaccessible or even be threatened in their existence. Refund of mailing costs is possible when required. Also, exchange is encouraged: PAL-Gr has substantial duplicate material available, or will have them available as the inventorying of some of the included herbaria proceeds. Subsidising collecting expeditions is another option that might be considered: please enquire.

The Greuter Library

The library associated with PAL-Gr is focused on floras and revisions world-wide, with emphasis on Mediterranean countries and Mediterranean-climate areas. It also holds Greuter’s reprint collection, all books reviewed by him in the OPTIMA Newsletter, and runs of numerous journals.

In the triennial 2013-2015, the library has grown substantially through purchase and gifts. A list of recently donated books can be seen at OPTIMA’s Web site (<http://www.optima-bot.org/herbarium/booksreceived.pdf>), and notices or reviews have been published both on the Web (http://www.optima-bot.org/Rec_publ/bookaccessions.pdf) and in recent issues of the OPTIMA Newsletter

(<http://www.optima-bot.org/publications/Newsletter/default.htm>). As per now, inventorying the library holdings has been completed, and binding is in progress.

ITINERA MEDITERRANEA COMMISSION

The Commission, together with the colleagues of the University of Tirana, led by Prof. Alfred Mullaj, is organizing the 13^o *Iter Mediterraneum* in Albania in the last decade of June 2017. The main focus of this mission will be on the mountain systems of Albania. A maximum of 12 foreign botanists plus some local ones are expected to participate to the field work, further details will be available on the OPTIMA website. Further missions in floristically poorly known areas of the Mediterranean are being planned for the following years.

FUNGI COMMISSION

Two Posters about the activities of the commission and local names of edible Fungi were presented during the XVII Congress of European Mycologists (Madeira, Portugal) held from 21th to 25th September 2015.

The Commission is going to prepare a manuscript on local names of fungi in Europe, North Africa and Saudi Arabia. In the meantime other mycologists asked to join the Commission and the list of local names was integrated with names from Portugal and Czech Republic.

LICHEN COMMISSION

The commission has supported a Lichenological Excursion to Armenia (15-23 June, 2015) organised by Arsen Gasparyan to collect lichens in the Khosrov Forest State Reserve, Aragats mountain, and visit the National parks: "Sevan Lake" and "Dilijan". Eleven international lichenologists participated on it.

During the three years the commission was active on searching financial support to stimulate the revision of specific different genera growing in the Mediterranean region. Into this line the Spanish Minis-

try of Economy and Competitiveness give to Ana Rosa Burgaz the Project CGL2013-41839-P "Study of the *Cladoniaceae* family in the Eurasiatic Mediterranean area" for a period Nov-2014 until Nov-2017.

Within this Project Ana Rosa Burgaz has been collecting *Cladonia* specimens in Croatia during 26th April - 3 May 2015 and in Hungary from 19 to 27 May 2015. In Georgia during 16-26 August 2015 some field recollections and reidentifications of the Tbilisi's lichen herbarium were done in collaboration with Teuvo Ahti (Helsinki).

Helmut Mayrhofer has published catalogues of the diversity of lichenized and lichenicolous fungi of the Albanian Alps of Kosovo and Montenegro; Macedonia (FYROM) and Slovenia.

- Strasser, E. A., Hafellner, J., Stešević, D., Geci, F. & Mayrhofer, H. 2015. Lichenized and lichenicolous fungi from the Albanian Alps (Kosovo, Montenegro). *Herzogia* 28: 520-544.

- Mayrhofer, H., Rohrer, A. & Bilovitz, P. O. 2013. Catalogue of the lichenized and lichenicolous fungi of Macedonia (FYROM). – *Phyton* (Horn, Austria) 53(1): 23–72.

- Mayrhofer, H. & Coppins, B. J. 2013. Remarkable records of lichenized fungi from Slovenia. – *Herzogia* 26: 201–206.

- Mayrhofer, H., Czeh, D., Kobald, E.-M. & Bilovitz, P. O. 2016. Catalogue of the lichenized and lichenicolous fungi of Kosovo. – *Herzogia* 29: in press.

In addition, Helmut Mayrhofer is still working on a catalogue of Croatia. Branka Knežević from Montenegro has started to prepare an updated catalogue of Montenegro with localities in co-operation with Helmut Mayrhofer.

- Lucia Muggia and Alexander Rohrer carried out field work in the mountains of northern Greece.

- During the XII OPTIMA Iter to Tunisia, held during the period 24 March – 4 April 2014, Anna Gutová (Institute of Botany SAS, Bratislava) collected lichen material from three regions of Northern Tunisia.

- Volker John in the past three years worked on a bibliography, checklist and distribution maps of the lichens in Turkey. A bibliographic checklist of Turkish lichens will be published this year (2016). With the help of Aysen Türk as a coauthor we will present a version in Turkish language. As a special contribution this list will also include Turkish Names for all the lichens and lichenicolous fungi known from Turkey.

- In 2014 a group of Turkish lichenologists and Volker John started the work on a lichen flora of Turkey. This illustrated flora will include the distribution maps mentioned above and is scheduled to be published in parts.

COMMISSION FOR KARYOSYSTEMATICS

The Commission prepares its “Mediterranean chromosome number reports” series edited by G. Kamari, C. Blanché & S. Šiljak-Yakovlev as a standing column in *Flora Mediterranea*. In the last 3 years, three columns of MCNR have been published corresponding to the volumes 23 (2013), 24 (2014) and 25 (2015).

The publication of this column reached this year its 25th edition and has successfully continued uninterrupted from 1991. So far, 1867 chromosome records have been published, covering most of the Mediterranean countries or territories included in the Med-Checklist, plus the Caucasus area and the Canary Islands. In the last three volumes (2013-2015), representing 78 published pages, a total of 99 new numbers have been reported (7 more than in the previous 3-year period), corresponding to a higher number of studied populations (some contributions reported data from up to 14 populations for a single MCNR).

Chromosome data are still being produced in constant rates by botanists dealing with Mediterranean flora and thus the Commission encourages the preparation of MCNR manuscripts by OPTIMA members to be sent to the editors before the end of September of each year, following the general instructions published in *Flora Mediterranea* cover and remembering that metaphase drawings are to be avoided and photographs must be of enough quality to be appropriately reproduced.

Ongoing projects

The vitality of chromosome numbers research and databasing appears to increase during the period 2013-2015. In addition to the existing Mediterranean databases, new electronic platforms (as CCDB), or new initiatives by members of our Commission as a new column for publication (Peruzzi L., Astuti G., Bartolucci F., Conti F., Rizzotto M., Roma-Marzio F. (2016) Chromosome numbers for the Italian flora: 1. Italian Botanist 1: 39–53. doi: 10.3897/italianbotanist.1.8818) or a monographic database (Bosch M., J. Simon J.

López-Pujol & C. Blanché (2016) - DCDB: an updated on-line database of chromosome numbers of tribe *Delphinieae* (*Ranunculaceae*) - BioC-GReB, - Dipòsit Digital de la Universitat de Barcelona - uri/handle: http://hdl.handle.net/2445/98702) among others, were considered.

During the meeting of the Commission in Montpellier (5 - 7 June 2016) was agreed to:

1) change the current name of the column “Mediterranean Chromosome Number Reports” in *Flora Mediterranea* for a most comprehensive title recognizing the true scope of the contributions usually published (which include, karyotype analysis, evolutionary consequences, bibliographic critical review, as well as biogeographical considerations, taxonomic remarks etc., derived from chromosome studies). The proposed new title for the series is: Mediterranean Chromosome Data - 26.

2) include in the next volume of *Flora Mediterranea* a short introductory notice in the first page of the series, informing on this change and additional instructions to the authors.

3) study, with the Editors of *Flora Mediterranea*, of a better way to recognize authorship of contributions in the Web of Knowledge and other indexations, particularly if the Journal will receive some impact score. Was suggested to separate indexation for each contribution as “Author A, Author B & Author C” in G. Kamari, C. Blanché & S. Šiljak-Yakovlev (eds.). This to satisfy the needs of young researchers to be appropriately recognized in publication indices, and to enrol new contributors to the OPTIMA columns.

COMMISSION FOR COMMON NAMES

Contacts: Based on the current Commission membership, contacts are being established with experts from different countries and institutions with the aim of obtaining vetted lists of common-language names, in selected languages, suitable for database import.

Portal: Negotiations with the OPTIMA Secretariat in Palermo and, through it, with the biodiversity informatics team in Berlin are progressing, with a view to permit access to the assembled data through a suitable portal, eg., Euro+Med Plantbase.

Development: During the initial test phase, use is being made of existing full datasets such as those already available through Euro+Med Plantbase. Four test languages are being used (Armenian, French, Czech, and Hebrew), also to assess the problems associated with different alphabets and diacritical signs.

Progress: In cooperation with Tela Botanica, criteria for the selection of the most appropriate French common names are being developed. Detailed guidelines have been made available through the «Lettre d'information sur l'actualité de la botanique francophone du site Tela Botanica».

For Italy, a working group of the Sezione per la Floristica, Sistematica ed Evoluzione of the Italian Botanical Society has been set up, with the purpose of establishing a list of recommended Italian common names for all vascular plant taxa that occur on the national territory of Italy. When ready, the list of recommended Italian names will be submitted to the Italian Botanical Society to be approved as the recommended national standard.

COMMISSION ON MEDITERRANEAN TYPE MATERIAL

The members of the commission published several articles about typification of names of plants described from the Mediterranean. In particular the article by Peruzzi L. & al. 2015 “An inventory of the names of vascular plants endemic to Italy, their loci classici and types”. *Phytotaxa* 196(1): 1-217 is the census of the loci classici of the 1,400 Italian endemic vascular plants.

The activities of the commission for the next three years will be focused in giving a unified vision of the work done by single members in order to provide a useful tool for those who need information in this field.

The commission has discussed the possibility to develop a database of the typifications of Mediterranean plants names. The members will be involved in testing the DB developed in Bratislava for such purpose.

COMMISSION FOR THE DIFFUSION OF KNOWLEDGE ON MEDITERRANEAN PLANTS

The main task of the Commission is preparing the book *Mediterranean Landscapes* for publication until the end of the year 2016 and the editor, O. Vasić, is making all the needed efforts to homogenize in the form the received contributions and prepare the volume for the press.

COMMISSION FOR MEDITERRANEAN ETHNOBOTANY

This commission was strongly supported during the XV OPTIMA Meeting held in Montpellier (France) in 2016 with the aim of being a collector and a booster of the activities carried on by the botanists involved in ethnobotany in the Mediterranean countries.

PRIZE COMMISSION

The members of the commission met electronically at the beginning of 2016 in order to propose to the International Board Prof. Francesco Maria Raimondo for the OPTIMA gold Medal. This prize is awarded every three years to a botanist who, by his or her activity, is considered to have made an outstanding contribution to the phytotaxonomy of the Mediterranean area.

Laudatio by Professor Werner Greuter

It is a very great pleasure for me to present OPTIMA's highest award to our President. Receiving this Gold Medal (the genuine stuff!), which honours a lifetime's achievement in promoting Mediterranean botany, is a crowning event in a botanist's career; which of course does not imply that it should mark the end of a career that, I am sure, will go on for decades to come. I became acquainted with my dear friend Franco Raimondo in 1977, at the second OPTIMA Meeting in Florence, when he immediately and enthusiastically embraced the notion and goals of OPTIMA, to become member of its Executive Council in 1989, be elected Vice-President in 1995, and be our President for the last 9 years. He has organised the OPTIMA Meetings in Palermo in 1983, 2001, and 2013, being the only person to have hosted more than one such event. But

his activities are not confined to OPTIMA, he has many more achievements to his credit. He has, for instance, served for two terms as President of the Italian Botanical Society, an association that exceeds OPTIMA in size and wealth if not prestige, and has contributed greatly, with his expertise and energy, to the prosperity of that Society. One great venture in Raimondo's professional life is the plan – not yet achieved but actively pursued – of a renewed Herbarium Mediterraneum Panormitanum, an institution designed to play a pivotal role in Mediterranean botanical research. Jointly with his then boss Andrea Di Martino, he announced the idea to the scientific world, in 1977, at the first Jornadas de Taxonomía Vegetal in Sevilla. By then he had already convinced the Palermo Province to acquire buildings suitable for the purpose. With his awesome gift of fund-raiser he was quick to attract monies to endow an International Foundation “Pro Herbario Mediterraneo”, set up to support his project. Even though, as life goes, we are still struggling to see Raimondo's high-flying plans completed, much has already been achieved. The buildings are there; they are progressively being equipped and made ready to receive and house Palermo's herbaria, which since 2013 proudly bear the designation “OPTIMA Herbarium”. These collections await your visit to study them – and also your contribution in kind: of plants and books. I take the opportunity to thank all those, here present or not, who have contributed by their donation of books and plant specimens to the herbarium and library of OPTIMA, and will hopefully continue to do so. I could spend hours on end speaking of Raimondo's scientific merits, which are the basic reason for the present award. He has published more than 400 papers and dozens of books. I will content myself to mention two particularly significant contributions of his. The first, unsurprisingly, concerns his home country Sicily – really a country of its own, even though it belongs to Italy. Franco is Sicilian to the core. Although he has travelled abroad, has even been visiting professor in Somalia three times, Sicily, and within Sicily, Palermo, has always been his home. His roots are in Palermo Province, in Castelbuono, a borough in the Madonie mountains that may feel honoured today along with himself. The work I have in mind is the “Catalogue of plants growing in Sicily”, a volume of almost 600 pages published in 2007, of which Raimondo is only the second author but which he has written in large part

himself. The second item I want to highlight is special on more than one account. He as the author, as may happen only to the prominent, did not know of it until the day when it was published. It is a sizeable book, dedicated to him on the occasion of his 70th birthday, assembling over 100 introductions, prefaces and dedications that he wrote to the books of others. The title reads “Contributions to the promotion of the culture of botany”, and it is indeed related to the entire culture surrounding botanical sciences. The prefaced books, while partly botanical, are also devoted to the arts, to biography, are reprints of classical texts or exhibition catalogues – organising exhibits being Raimondo's cherished hobby. The overwhelming variety of the prefaced books stands for Raimondo's own, vast scientific and cultural achievements. Franco, I wish you many more years of endeavour, success, and happiness.

This text is also available at <http://www.optima-bot.org/index.php/en/18-awards-en/gold-medals-en/46>.

The commission proposed to the Executive Council the following volumes for the Silver medals with the relevant motivations:

- Jean-Marc Tison, Philippe Jauzein & Henri Michaud (2014): Flore de la France méditerranéenne continentale;

This is a critical Flora, as it includes numerous and sometimes quite extensive notes. It is also an illustrated Flora, as a large majority of recognised (numbered) taxa are represented by analytical drawings. To some extent it even qualifies as a pictorial Flora; and indeed the colour photographs at the end, being limited to a selection of just 21 genera, are excellent identification aids. The plant groups thus represented are the orchids (100 photographs), *Compositae* (79: 69 *Hieracium*, 10 *Tragopogon*), “*Liliiflorae*” (75: 36 *Allium*, 24 *Tulipa*, 15 *Iridaceae*), *Orobanchae* (42), *Crassulaceae* (39), *Opuntia* (15), *Aristolochia* (12), *Pinguicula* (10), and *Melampyrum* (6). It is a real pity that there is no reference to these (unnumbered) photographs in the main text, nor even in the index: one has to know or to guess, or one will miss them. Floras arranged according to the last cry of phylogenetic systematics are still the exception, and the present one is among these exceptions. Within families, genera and species are also arranged by known or perceived affinity, with the single exception of *Umbelliferae* where the sequence is alphabetical. The treatment of notoriously difficult

groups, one of the standards by which to judge “critical” Floras, varies widely. For example, *Rosa* and *Rubus* are dealt with rather summarily, with very broadly delimited species, or for some of the brambles down to subsectional level only; whereas *Hieracium* and *Taraxacum* have received full and remarkably skilled attention. Their accounts will stand as models far beyond the limited geographical range for which they were written. All in all, this Flora stands as a milestone in French botany. Its authors deserve our gratitude and admiration for a huge amount of work well done.

- Mohamed Fennane, Mohammed Ibn Tattou & Jalal El-Oualidi (eds.) (2014): Flore pratique du Maroc. Manuel de détermination des plantes vasculaires. Volume 3, Dicotyledones (p.p.), Monocotyledones;

To date, Morocco was the last among the countries bordering the Mediterranean Sea to lack a completed descriptive manual of its flora, a work permitting, by means of descriptions and keys, the identification of its plants. The *Flore pratique du Maroc* fill this gap. The two first volumes (see OPTIMA Newsletter 38: (16). 2008) were published in 1999 and 2007 as volumes 36 and 38 of the same prestigious monograph series of the Institut Scientifique in Rabat, better known by its former attribute Chérifien. The present, concluding volume encompasses the treatments of the last dicot families (*Rubiaceae* to *Compositae*) and of all monocots. The family key and illustrated glossary are again included, and there is a cumulative index of genera for all volumes. The presentation is elegant yet concise, avoiding details such as nomenclatural source and type citations that would be of scant interest for the botanical practitioner. The work as a whole is the essential instrument required for the formation of a new generation of keen Moroccan botanists. It must not be seen as a concluding event but as the door to ongoing studies leading, in a not too remote future, to an even better understanding and fuller knowledge of the extraordinary riches and variety of the vascular plants of Morocco.

- Enio Nardi (2015): Il genere *Aquilegia* L. (*Ranunculaceae*) in Italia. The genus *Aquilegia* (*Ranunculaceae*) in Italy. *Aquilegiarum italicarum in europae-arum conspectus descriptio*.

The author presents us with a comprehensive monographic revision of the columbines of Africa and Europe. All 54 species recognised by the author are treated in full, each with synonymy, description, specimen enumeration, notes, and indication of habitat, distribution, phenology, etc. Those 18 that occur in, and 11 of which are endemic to, Italy are treated in greater detail, with keys (one to identify herbarium material, another for live plants), illustrations, and maps of their Italian distribution.

The species treated here are only a fraction of the known columbines (80 to 400 species worldwide, depending on different authors' concepts), and Europe is not the primary centre of diversity or origin for the genus. Southern Europe does, however, show secondary centres of diversity and speciation, to name the Balkan, Apennine and Pyrenean peninsulas and the Tyrrhenian islands. Europe is also the arguably main source of names published in the past under *Aquilegia* and the unchallenged centre of disparity of taxonomic concepts applied to the plants. Nardi's monograph has successfully faced the challenge of defining and applying criteria for species-level classification that are based on a whole-population concept, noting but discounting individual aberrations, ontogenetic and environment-induced variation, and the effects of introgressive hybridisation. He thus applies modern concepts supported by a lifetime's study of the plants in the wild and extrapolating the experience thus assembled to other, non-Italian populations.

The columbines are easy to treat in certain respects, e.g. by not presenting problems of generic delimitation; but they also present traits that make their classification hazardous, such as the general crossability, often indeed full interfertility of its component species; the lack of distinctive karyological differences (all appear to have a uniform karyotype with $2n = 14$ small chromosomes, no polyploidy or aneuploidy having so far been reported); and the loss, in pressed and dried material, of taxonomically relevant features such as colour and spatial configuration of the perianth. In order to better understand and interpret the observed diversity, Nardi has delved into aspects of the spatio-temporal development of the genus, from its presumed E Asian origin to its currently displayed chorological and variational patterns, taking into account pollination biology in particular. All this, and much more, is embedded in the general introductory part of the book,

which provides fluidly and elegantly written information on many subjects of general interest to biologists, far beyond *Aquilegia* taxonomy.

The book is bilingual (English and Italian) throughout, except for some elements, such as synonymies, specimen enumerations, and Appendices, that are in Latin, or treated as such, to avoid unnecessary duplication. The Italian species are illustrated by drawings of unstated authorship but mostly initialled AM (Anne Maury). No nomenclatural novelties are included (required new names have all been validated in precursory papers), but numerous type designations are effected in a 50-page appendix discussing the typification of all relevant names and synonyms. An impressively thorough bibliography (55 pages) is found at the end.

Nardi's monograph is the result of a botanist's lifetime of study and endeavour, skilfully presented, devoted to a fascinating genus.

Complete accounts for these books are available in the OPTIMA Newsletter 42(2): (6-9) 2015 and 43(2): (2) 2016.

OPTIMA Silver Medals are awarded every three years to the authors of the best papers or books on

the phytotaxonomy of the Mediterranean area that were published in the preceding three-year period.

The recommendations of the commission were approved and the prizes were awarded in Montpellier the 11 June 2016 during the closing ceremony of the XV OPTIMA Meeting.

WEB COMMISSION

This commission, resurrected on mandate of the International board and Executive Council met in June 2016, approved the new layout of the website that is already available on the web (www.optima-bot.org) in order to have a fresh and attractive look on the internet to give an updated association's image and attract a larger number of potential members also among the youngest and non-professional botanists. The change of layout, apparently only formal, is, in fact, a radical change of architecture. Previously the website has been based on individual objects; today the content of each page is a database record shown in a common frame.

M E E T I N G S

by Gianniantonio Domina

The XV OPTIMA Meeting

The XV OPTIMA meeting was held in Montpellier (France) from 6 to 11 June 2016. It was organised under the partnership of Tela Botanica, the Conservatoire Botanique National Méditerranéen de Porquerolles, and the University of Montpellier. OPTIMA si è avvantaggiata di questi partner che hanno fornito una location academica per lo svolgimento dei simposi e hanno portato i congressisti for the mid congress excursion on the Causse du Larzac near Le Caylar the southern edge of the Massif Central and to the templar village La Couvertourade . In linea con le edizioni precedenti the XV OPTIMA Meeting was attended by ca. 230 botanists from 25 countries. There were 17 half-day symposia, not counting a general opening lecture by Suzanne Amigues on Theophrastus and the birth of botanical knowledge, a memorial symposium, two open workshops and half a day being devoted to a poster session. On the whole 86 lectures and 74 posters were presented. The titles of symposia were: Botanical systematics and taxonomy in France: recent insights, The Mediterranean marine algae, Plant conservation in

France, in situ approaches, Advanced methods in plant systematics, The changing role of botanic gardens in the Mediterranean, Biogeography and conservation of the flora of the small Mediterranean islands, Lichens biodiversity exploration in the Mediterranean region, Ex situ conservation in Mediterranean France, New advances in bryophytes research in the Mediterranean region, Speciation by hybridization and polyploidy in the Mediterranean, Urban plant diversity in the Mediterranean, The flora of the Irano-Turanian region: new biogeographical perspectives and conservation, The role of amateur networks in Mediterranean botany, The impact of fire on the Mediterranean vegetation, Useful plants of the Mediterranean, Mediterranean plants phylogeography, Alien invasive species in the Mediterranean. All the symposia were fully participated and emerged many insights even for joint researches.

A large part of the presentations are available on the website of the congress (<http://www.optima2016.org/en/programme-2/>) and all the abstracts are collected in the Book of Abstracts available also on the web (<http://www.optima-bot.org/meetings/XVAbstracts.pdf>).

The Open workshops “Advances and organization of a Flora of Algeria and Magreb on the Web” and “Round trip from Red List data to in situ conservation of Important Plant Areas” were very operative and their participants were actively involved in the topics.

The memorial symposium for Pierre Quézel organized by Frederic Medail, anticipated by the memory of Avinoam Danin, presented by Ori Fragman Sapir, has been very touching and gave the opportunity to those who have not got to know him to appreciate the human as well as scientific qualities of this man. At the end, the Congress dinner at the Maison des Relations Internationales, thanks to the involvement of the Mayor of Montpellier and his staff, was a pleasant social event that gave the possibility to appreciate the French and international cuisine in the garden of an historic villa.

Appointment in the first week of October 2019 to the XVI OPTIMA meeting that will be held in Athens organized by the staff of professor Pepi Bareka of the Agricultural Faculty of the University.

M E E T I N G A N N O U N C E M E N T S

19-21 April 2017

Sustainable Restoration of Mediterranean Forests

Analysis and perspective within the context of bio-based economy development under global changes

Palermo, Italy

This congress represents the first international congress organized by the Italian Society of Forest Restoration (ISFR) jointly with other international institutions. Its organization has been strongly urged by ISFR to discuss about the principles and technical

aspects which must drive forest adaptation and restoration, particularly in Mediterranean regions where the effects of global risk to affect irremediably this natural resource. Moreover, the congress ambition is also to draw attention to the fact no worldwide bio-economy could be built if sustainable forest management does not become the central item in the political agenda of all the governmental executives.

For further information see:

<https://www.palermocongress2017.com>

20-24 June 2016

IAVS 2017 Annual Symposium

Palermo, Italy

The 2017 Annual Symposium of The International Association for Vegetation Science (IAVS) will be held on June 20-24, 2017 in Palermo, Italy. The theme will be "Vegetation patterns in natural and cultural landscapes". The symposium venue will be the Palermo Botanical Garden. The symposium will have Pre-symposium and post symposium excursions. The pre-symposium excursion will be from from 11 to 18 June. The focus will be on coastal landscapes of Sicily: Along the Sicilian coast, from Capo San Vito (NW Sicily) to Capo Passero (SE Sicily), including two days on the Island of Marettimo. The post-symposium excursion will be from 25 June to the first of July and will visit the Sicilian Mountains: Etna, Nebrodi and Madonie.

For further information see:

<http://iavs.org/Meetings/2017-Annual-Symposium.aspx>

26-30 June 2016

BGCI's 6th Global Botanic Gardens Congress

Geneva, Switzerland

With the aim of stimulating discussion and innovative reflections on the role and relevance of botanic gardens in society, was organized the 6th Global Botanic Gardens Congress in 2017. The scientific programme will focus on botanic gardens' role in solving the major environmental challenges for society – food security, water scarcity, energy, health, loss of biodiversity and climate change. Major topics will include plant conservation, education and outreach, botanic garden management challenges and communicating the big issues via landscaping, with workshops and discussion sessions organised during the course of the meeting to address specific issues. We hope that the botanic garden community, its associated horticultural experts, scientists, educators, communicators, directors and

managers will have the chance to collectively and collaboratively explore and develop different visions of botanic gardens and their core activities for the future.

For further information see:

<http://www.6gbgc.org>

23-29 July 2017

XIX International Botanical Congress

Shenzhen, China

The International Botanical Congress (IBC) is a major convention that brings together scientists from around the world to discuss new research in the plant sciences. The IBC is held once every six years. The Congresses are particularly notable in that they not only bring together scientists from many countries, but also from many disciplines within the broader research fields related to the plant sciences, including botany, mycology, ecology, horticulture, agriculture, and other related fields. The increasing knowledge about plants—their history, growth, uses, interactions with other organisms, and roles in the ecosystem—is becoming progressively important for the stability and sustainability of the human endeavour and, indeed, of all life on Earth.

The XIX IBC will be held under the auspices of the International Union of Biological Sciences (IUBS), through the International Association of Botanical and Mycological Societies (IABMS) of the IUBS. The XIX IBC is organized by the Botanical Society of China and the Shenzhen Municipal Government. It will be held in the Shenzhen Convention and Exhibition Center, Shenzhen, China. The first circular will be sent in 2015 to all botanists and institutions through society mailings and upon request.

As usual the IBC will be preceded by the Nomenclature Session. This time from 17 to 21 July. This session is devoted to amend the Code of Nomenclature for algae, fungi, and plants (Melbourne Code).

For further information see:

<http://www.abc2017.cn>

11-13 September 2017

Global Conference on Plant Science and Molecular Biology

Valencia, Spain

The Global Conference on Plant Science and Molecular Biology' will bring together a collection of investigators who are at the forefront of their field, and will provide opportunities for junior scientists and graduate students to interactively present their work and exchange ideas with established senior scientists. This program will include workshops, symposia, poster sessions and special discussions on wide range of session themes on plant sciences from Plant diseases to Plant biology, Horticulture and Medicinal and aromatic plant science.

For further information see: <http://plant-science-biology-conferences.magnusgroup.org>

NOTICES OF PUBLICATIONS*

by WERNER GREUTER

OPTIMA

1. **Frédéric MÉDAIL & Gianniantonio DOMINA (ed.) – XV OPTIMA Meeting**, June 6-11, 2016. Montpellier. **Abstracts**. Oral presentations. Poster presentations. – Orto Botanico ed Herbarium Mediterraneum, Palermo, 2016 (ISBN 978-88-903108-7-4). 183 pages; paper. [Received June 2016].

Organised under the partnership of Tela Botanica, the Conservatoire Botanique National Méditerranéen de Porquerolles, and the University of Montpellier, the XV OPTIMA Meeting in Montpellier was attended by ca. 230 botanists from 25 countries. There were 17 half-day symposia, not counting a memorial symposium for Pierre Quézel, recently deceased, half a day being devoted to a poster session. The present volume, with its 160 one-page abstracts received by the deadline (86 for symposium lectures, 74 for posters), aptly summarises the Meeting's scientific contents. The presence of a representative sample of bryological, lichenological and phycological topics deserves special mention.

W.G.

2. **Gianniantonio DOMINA, Ridha EL MOKNI, Werner GREUTER & Francesco Maria RAIMONDO (ed.) – Results of the 12th “Iter Mediterraneum” in Tunisia, 24 March – 4 April**,

2014. [*Occasional Papers from the Herbarium Greuter*, **3**; *Bocconea*, **27(1)**, ISSN 1120-4060 (print), 2280-3882 (online).] – Herbarium Mediterraneum Panormitanum, Palermo, 2015. 61 pages, black-and-white illustrations (photographs, maps), tables; paper. [Received January 2016].

Among the twelve Itinera Mediterranea that took place so far, the recent one to Tunisia was certainly not the most rewarding botanically speaking. Spring was late to come that year, the flora was far behind what one might have expected, and the cool, stormy weather that prevailed throughout was not inspiring either; so that the total harvest of 1374 numbers collected, while below average, is still surprisingly high. No species new to science were found, yet three new country records and several first gatherings for a given province were made. On the credit side, let me note the presence in the group of bryophyte experts and a full-scale lichenologist, both of which made extensive collections not included in the above figure, being still only partly studied. Preliminary lists are presented here, with 55 bryophytes and 46 lichens half of the latter being new country records. What will definitely remain in the memory of all participants is the positive role played by local botanists: the unfailingly friendly, generous and competent assistance by the Tunisian hosts and the participation, in shifts, of no less than 14

* Please send all items for announcement or review directly to the column editor: Prof. W. Greuter, Herbarium Mediterraneum, Orto Botanico, Via Lincoln 2/A, I-90133 Palermo.

young, promising botanists, all keen to learn and enthusiastic plant freaks. They will no doubt be instrumental in raising new generations of experts to further the knowledge of the flora and vegetation of their country. W.G.

Cryptogams

3. **Mathias VUST – Inventaire des lichens du canton de Genève.** [*Boissiera*, 69, ISSN 0373-2975.] – Conservatoire et Jardin botaniques, Ville de Genève, 2015 (ISBN 978-2-8277-0085-1). 144 pages, 77 figures, mostly in colour (photographs, maps, graphs, facsimiles), 12 tables; laminated cover. [85 CHF (Europe); received January 2016].

Last year, when presenting Vust & al.'s "Liste rouge des lichens du canton de Genève" (in *OPTIMA* Newslett. 42: (2-3). 2015), I noted: "the book includes a complete inventory of the Canton of Geneva's lichens". What then, one may ask in wonder, is the scope of the present book, which judging from its title is exactly that inventory? Is it a partial rehashing of the previous item? Or was my assessment inaccurate? Neither, I dare say, because the contents are not what one expects to find under that title. There is no comprehensive species list (which would have been redundant), but instead a number of items to complement the earlier volume: statistics and new graphs, historical data (both on local lichenological history and on landscape change through time), and an inventory (there we go!) of lichen communities, with excellent colour illustrations of characteristic habitats. A special boon for the interested specialist is the enumeration of Jean Mueller's lichen finds in the Canton, based not only on the published record but on the annotations in his personal, interleaved copy of his 1862 Catalogue and on his specimens in the Geneva herbarium (of which he was the keeper for 30 years). W.G.

Phanerogams

4. **Enio NARDI – Il genere *Aquilegia* L. (*Ranunculaceae*) in Italia. The genus *Aquilegia* (*Ranunculaceae*) in Italy. *Aquilegiarum italicarum in europaeorum conspectus descriptio.* – Polistampa, Firenze, 2015 (ISBN 978-88-596-1518-7). 687 pages, 43 black-and-white figures and maps, 20 tables; paper. [45 €; received January 2016].**

The author presents us with a comprehensive monographic revision of the columbines of Africa and Europe. The title of the book is therefore an understatement, as the word Europe appears only in the Latin subtitle and Africa not at all (the latter omission is explained by the fact that the genus extends to Africa only marginally, with two species endemic to Morocco and Algeria). All 54 species recognised by the author are treated in full, each with synonymy, description, specimen enumeration, notes, and indication of habitat, distribution, phenology, etc. Those 18 that occur in, and 11 of which are endemic to, Italy are treated in greater detail, with keys (one to identify herbarium material, another for live plants), illustrations, and maps of their Italian distribution. Yet the presentation of the 36 extra-Italian species is far more than a "synopsis", as the corresponding title, too modestly, tells.

The species treated here are only a fraction of the known columbines (80 to 400 species worldwide, depending on different authors' concepts), and Europe is not the primary centre of diversity of or origin for the genus. Southern Europe does, however, show secondary centres of diversity and speciation, to name the Balkan, Apennine and Pyrenean peninsulas and the Tyrrhenian islands. Europe is also the arguably main source of names published in the past under *Aquilegia* and the unchallenged centre of disparity of taxonomic concepts applied to the plants. Nardi's monograph has success-

fully faced the challenge of defining and applying criteria for species-level classification that are based on a whole-population concept, noting but discounting individual aberrations, ontogenetic and environment-induced variation, and the effects of introgressive hybridisation. He thus applies modern concepts supported by a lifetime's study of the plants in the wild and extrapolating the experience thus assembled to other, non-Italian populations.

The columbines are easy to treat in certain respects, e.g. by not presenting problems of generic delimitation; but they also present traits that make their classification hazardous, such as the general crossability, often indeed full interfertility of its component species; the lack of distinctive karyological differences (all appear to have a uniform karyotype with $2n = 14$ small chromosomes, no polyploidy or aneuploidy having so far been reported); and the loss, in pressed and dried material, of taxonomically relevant features such as colour and spatial configuration of the perianth. In order to better understand and interpret the observed diversity, Nardi has delved into aspects of the spatio-temporal development of the genus, from its presumed E Asian origin to its currently displayed chorological and variational patterns, taking into account pollination biology in particular. All this, and much more, is embedded in the general introductory part of the book, which provides fluidly and elegantly written information on many subjects of general interest to biologists, far beyond *Aquilegia* taxonomy.

The book is bilingual (English and Italian) throughout, except for some elements, such as synonymies, specimen enumerations, and Appendices, that are in Latin, or treated as such, to avoid unnecessary duplication. The Italian species are illustrated by drawings of unstated authorship but mostly initialled AM (Anne Maury). No nomenclatural novelties are included (required new names have all been validated in precursory

papers), but numerous type designations are effected in a 50-page appendix discussing the typification of all relevant names and synonyms. An impressively thorough bibliography (55 pages) is found at the end.

Nardi's monograph is the result of a botanist's lifetime of study and endeavour, skilfully presented, devoted to a fascinating genus. The original dual designation of the plant as *Columbina* and *Aquilina*, still used by Mattioli, depicts and interprets its initially nodding flower as a ring of five doves in the act of alighting, which, inverted through anthesis, become the talons of an eagle's foot. The Medieval corruption of *Aquilina* to *Aquilegia*, with its usual but less plausible etymology of "[rain]water-collecting", adds an endearing humorous touch to the object of this scholarly masterpiece. W.G.

- 5. Salvatore BRULLO & Matthias ERBEN – The genus *Limonium* (*Plumbaginaceae*) in Greece.** [*Phytotaxa*, **240**, ISSN 1179-3155 (print), 1179-3163 (online).] – Magnolia Press, Auckland, 2016 (ISBN 978-1-77557-859-8 (paper), 978-1-77557-860-4 (online); doi: dx.doi.org/11.11646/phytotaxa.240.1.1). 212 pages, 100 figures (86 drawings, 14 maps), 3 black-and-white photographs. [Received January 2016].

Limonium, or rather, *L.* subg. *Limonium* in particular is known as a taxonomically critical group. The main reason for its complexity is the coexistence of mostly diploid, sexually reproducing populations of usually self-incompatible plants (with a peculiar kind of distyly through combined stigma-pollen dimorphism) with what are in effect clones of agamosperous plants of triploid or higher ploidy level. The situation is comparable with what we find in *Taraxacum*, with a mosaic of variable sexual populations and invariable, apomictic clones of usually hybrid origin. For want of a better alternative, taxa of both categories are cur-

rently treated as species. As is to be expected in a complex that arose predominantly through hybridisation events, character distribution is reticulate and any grouping of species would be arbitrary. In the main area of diversity, the Mediterranean basin, hundreds of species have been described in old and recent times. In most areas of the Mediterranean *Limonium* is by now believed to be reasonably well studied and understood, Greece being the single major exception. This was yesterday. Thanks to this book, it no longer applies.

Of the two authors, Matthias Erben is the recognised Nestor of *Limonium* systematics, whose work up till now was mainly focused on the West Mediterranean area. Salvatore Brullo has many interests beside *Limonium*, having a well earned reputation of keen observer and often radical splitter. The combination of these two in an author team lends credibility to the published results. Brullo and his crew have done much of the collecting on which the present treatment is based, and the main set of their specimens, supposedly consisting of “several thousand” herbarium sheets, is deposited in Catania (CAT). That figure has obviously been inflated, perhaps under the influence of the Mediterranean sun, because the CAT specimens cited here are “only” about 500 – still quite an impressive total.

So far, the only part of Greece in which *Limonium* had been well studied, mainly thanks to the work of Rea Artelari of Patras University, was the west: the Ionian coast and islands. For the major part of the Aegean coastlines, several stray contributions had been published. From the 15 *Limonium* taxa recorded in Boissier’s *Flora orientalis* from Greece the number had thus gradually risen to perhaps 40 or 45. Thanks to this book, in which 39 species are described as new and two former varieties or formae raised to species rank, that number has almost doubled. The 85 species now recognised are treated in considerable detail, with thorough

descriptions, full specimen citations, and maps, each being illustrated by Brullo’s own drawings.

The material worked through by the authors, as documented by their specimen lists, is certainly impressive, as is the enumeration of no less than 28 consulted herbaria, public and private. However, one should not be led to believe that all extant material has been studied. In particular, neither of the Athens herbaria (ATH, ATHU) have been consulted, and of the Patras Herbarium (UPA), as of many others, only the types and selected critical specimens were seen. A major shortcoming is the authors’ failure to work through the exceedingly rich Aegean collections in Lund (LD) assembled by Hans Runemark and his team, among which further novelties likely await recognition. Unearthing them is made easier now, this book providing the key. W.G.

6. **Jean-Pierre REDURON, Walter Karl ROTTENSTEINER & Christian SCHEUER – Beiträge zur Flora von Istrien V: The Istrian Apiaceae:** a new determination key, distribution maps, and a list of specimens housed in the herbarium GZU. [*Fritschiana*, **81**, ISSN 1024-0306.] – Institut für Pflanzenwissenschaften, Karl-Franzens-Universität, Graz, 2016. 80 pages, 181 figures (grayscale photographs and maps), map; paper. [Received June 2016].

As is apparent from the subtitle, this booklet has a dual scope. On one hand it includes the enumeration of the *Umbelliferae* holdings of the Graz University Herbarium, 550 sheets in total, thereby complementing Reduron’s ten prior papers or notes on Istrian umbels, published in the journal *Carinthia* between 2002 and 2012. On the other hand it presents a synthesis of our present knowledge of the family in Istria, with determination keys (including diagnostic descriptions) for its 161 non-hybrid taxa

(species, subspecies, and varieties). Small distribution maps are provided for all of them, indicating their presence and abundance in each of Istria's 21 territories.

Revision of the Graz materials proved particularly rewarding, as it included no less than 10 taxa not previously recorded from Istria and/or the individual countries (or regions) of which it consists: Italy (with Friuli-Venezia Giulia), Slovenia and Croatia. Each of these additions is documented by the photograph of a representative herbarium specimen.

W.G.

7. **Juan Antonio DEVESA ALCARAZ – Las especies del género *Centaurea* en la Península Ibérica y Baleares.** – Uco-Press, Universidad de Córdoba, 2016 (ISBN 978-84-9927-219-1). 439 pages, numerous colour photographs, maps and drawings, some graphs and tables; hardcover. [60 €; received October 2016].

Together with its companion, the *Centaurea* treatment in *Flora iberica* published in 2014 (see OPTIMA Newslett. 42: (6). 2015, for a brief review), this portly volume synthesises much of Juan Devesa's (with three of his pupils') botanical endeavours along his busy academic career. The two works are very unequal twins indeed. On the one hand we have a rigorous, learned presentation in the best style of modern Flora writing, for which *Flora iberica* is perhaps the most outstanding current example; on the other hand we now look at a work designed to be enticing, not merely useful, to the professional plant taxonomist and the expert layman alike. Unrestrained by the rigour of editorial standards as are indispensable for a Flora, Devesa has here been able to deploy his skills as a botanical writer. Yet he remains a systematist at heart. His book is exemplary by the coherently structured, logical way in which the information is presented. At no point does the user feel lost among the wealth of diverse data. So let me

try and be coherent myself, explaining what the user of the book may expect to find.

The title defines the subject accurately: the *Centaurea* taxa (species and subspecies, with cursory mention of a few varieties) growing in the wild in peninsular Spain and Portugal plus the Balearic Islands: 94 species and 32 additional subspecies, adding up to 126 taxa, of which about two thirds are endemic to the said area. *Centaurea*, as here defined, is thus the most diverse non-apomictic genus of the Ibero-Balearic flora, preceding *Carex*, *Festuca*, and *Silene*, in this order. Generic delimitation in this group has changed considerably over time, and the twelve sections recognised in *Flora iberica*, and by consequence here, are phenetically defined and thus definitely not the final answer. Two of them, each with its own pollen type, are natural monophyletic units, each equivalent to the total remainder of the genus; of which at least one, being easily recognisable, and perhaps both, might better be treated as genera (*Cyanus* and perhaps *Colymbada*). The other ten, on the contrary, do not for the most part represent natural units, and their species should be regrouped in perhaps half a dozen monophyletic sections. Devesa's choice of classification does, however, conform to tradition; at least for the time being, it is adequate for practical purposes.

The book is comprised of four main chapters of decreasing comprehensiveness. The first acquaints the reader with the plant world of the Iberian peninsula (oddly without the Balearic Islands), and is remarkable among others by including a concise account of its palaeogeography and vegetation history. The second introduces the *Compositae* family, its affinities as well as its main morphological and biological traits. The third chapter defines the "tribe" here designated as *Cynarocephalae*, with its main subdivisions, then gives ample space to a general presentation of *Centaurea* itself with its twelve "sections", with enumeration of

Publications

the taxa recognised in each. After which, thus adequately introduced, follows the last chapter and core portion of the book, with the presentation of the individual taxa preceded by an illustrated key for species identification. The key leads are about the only morphological information provided. The taxon treatments consist of scant text, mostly on distribution and habitat; only for subspecies (absent from the key) are some diagnostic features mentioned. Synonymy is all but absent, so that the reader must necessarily consult the *Flora iberica* treatment in parallel (the reverse being equally commendable). Almost the whole space is used for illustration: colour photographs (mostly close-ups of flower heads, occasionally showing the whole plant), distribution maps (dot maps on coloured background showing relief traits), and drawings.

The photographs will be seen as the most appealing element of this volume. This applies, not only to those that appear in the taxonomic treatment proper but also to those in the three preceding chapters. All are of excellent quality and remarkable beauty, and almost all (with specified exceptions) are by Devesa himself. As to the drawings, they have for a considerable part been published elsewhere previously, most of them in *Flora iberica*. They have been made especially for the purpose of this book's subject, under Devesa's direct supervision, and are all by the same artist: a Mexican resident in Sevilla, Rodrigo Tavera. [Do not be confused by the signatures that appear on the plates, rarely mentioning explicitly Rodrigo but usually only with the initials TM plus "Triana" or "Sevilla", plus the year: TM stands for the artist's full name, Talavera Mendoza; the remainder are place names, Triana being a borough of Sevilla.] These plates of drawings, which in addition to the habit include accurate magnified details of the flower heads, corollas, anther tube, cypselas, pappus and stylar apex) are a unique and, in its

completeness and consistency, uniquely valuable asset of the book.

Preface matter, while often well written and always well meant, is not usually worthy of mention in a book review. Let me make an exception and pay a compliment to José Carrion for his excellent introductory text, which includes some personal notes on Devesa's life and merits that are well worth being told in this very place. W.G.

8. Paolo GRÜNANGER, Bruno BARSETTA, Francesco DE GIGLIO, Egidio TRAINITO & al. (ed.) – Orchidee d'Italia. Guida alle orchidee spontanee. **Seconda edizione.** – Il Castello, Cornaredo, 2016 (ISBN 978-88-6520-801-4). 368 pages, numerous photographs (mostly in colour) and maps, drawings, graphs, tables; laminated cover. [24 €; received April 2016].

Published under the auspices of GIROS, the Italian Research Group on Wild Orchids, this is a book of high status among Italian orchid lovers. The first edition, published 7 years ago, was reviewed by me rather critically (see OPTIMA Newslett. 39: (4-5). 2010). The second edition, which on the cover (but not on the title page) is qualified as "interamente aggiornata" (completely updated), has been substantially improved. The amount of change can be inferred from increase in almost every respect: number of text authors (from 40 to 45), of authors of photographs (32 to 57), of pages (303 to 368), of accepted taxa (193 to 230). Only the selling price, hear! hear!, has remained the same.

The introductory chapters, which I had deemed to be excellently suited to their purpose, have changed but little. A new text on *Ophrys* pollination biology, and a third author (Alessio Turco), have been added to the chapter on orchid biology; and a chapter on conservation (by Sara Magrini and Simon Pierce) has been inserted, focusing on

germplasm banking and in vitro propagation techniques in addition to in-situ protection. The main improvement is in the core of the book, where all taxa known to be present in Italy are presented. This part is better structured now than it was before. Keys for species identification have been provided for all genera except *Ophrys* and *Epipactis*; and in the latter two genera, where taxon limits are blurred and differences minimal, the treatment at least is preceded by an illustrated synopsis that includes mention of the main diagnostic features. In *Ophrys* some of the local variants that had been recognised as species have thankfully been reduced to subspecies rank, even though, perhaps inevitably, the splitting is still excessive. In *Epipactis*, a genus plagued by totally or partly autogamous “microspecies”, the number of recognised species has increased from 16 to 27, but the number of taxa rose only by 3. In *Nigritella*, taxon number has diminished (from 12 to 8) but species number, conversely, exploded from 3 to 7. Orchidologists are well known to adore change, both in taxon circumscription and in nomenclature, and here they are well served. In my opinion, though, this time the changes – at least the name changes – are for the better.

There is a welcome innovation in this edition that I must not forego mentioning: on erratic pages, Italian “orchidologists” (meaning: botanists who described and named some orchid) are presented, in portrait and biographically. These are most useful, well written and informative texts which I can but commend. Inexplicably they are not indexed, and impossible to find except by chance. I shall therefore list them here in alphabetical order, followed by the relevant page number: Bertoloni (123), Bianca (277), Bivona (71), Cirillo (73), Cupani (32), De Notaris (326), Mauri (219), Moretti (213), Parlatore (344), Scopoli (55), Tenore (187), Tineo (247), Todaro (348), and Viviani (103).
W.G.

Floras

9. Daniel JEANMONOD (ed.) – **Compléments au Prodrôme de la flore corse. Asteraceae – IV: Hieracium, Pilosella et Taraxacum**, par Jean-Marc TISON, Jan ŠTĚPÁNEK, Jan KIRSCHNER & Daniel JEANMONOD. – Conservatoire et Jardin botaniques, Ville de Genève, 2015 (ISBN 978-2-8277-0819-2). 323 pages, 70 black-and-white figures (maps and drawings), 20 plates of colour photographs; laminated cover. [45 CHF; received January 2016].

John Briquet, were he still among us, would be overjoyed: one-hundred-and-five years after he started publishing his monumental, critical inventory of the Corsican flora known as the *Prodrôme*, it has been completed. Even for a work of that size and complexity such a time scale is unusual, and indeed, to be exact, it is not the *Prodrôme* itself but its reincarnation in the form of complementary treatments, launched 30 years ago, that has reached the final goal; the hero being, no longer Briquet but Daniel Jeanmonod, his dignified successor as editor and principal author of the series. Congratulations, Daniel!

The concluding 4th portion of the *Compositae* family, a sort of dessert, differs in many respects from its forerunners (see OPTIMA Newslett. 41: (8). 2013). It comprises the treatments of three genera that are foremost among the “bad boys” of the European flora, each in its way and due to its own, peculiar anomalies of reproductive system and speciation mode: *Hieracium*, *Pilosella* (both authored by Tison), and *Taraxacum* (by Štěpánek & Kirschner, assisted by Jeanmonod).

The most innovative not to say revolutionary approach is that for *Hieracium*, in which Tison resolutely breaks with the tradition based on Zahn, still followed *faute de*

mieux in *Med-Checklist*. Zahn's two-level classification of taxa into species and subspecies, theoretically ill-founded, is done away with, and the Corsican plants, among which no sexually reproducing diploids are known, are all assigned to agamospecies. One would therefore expect that the number of species here recognised be much higher than the 19 known from Corsica to Zahn, approaching the total of ca. 100 taxa recorded from the island by that author; and one will marvel when finding the identical number of 19 accepted species, discounting three recently observed casual aliens. The reason is twofold. First, no less than 43 taxon records proved upon inspection of the specimens to be errors; and second, the agamospecies as here defined are to some degree variable, due to phenotypic plasticity and accumulation of mutations over time, so that they may include plants formerly assigned to several different taxa.

For *Pilosella*, where Tison follows in essence the *Med-Checklist* precepts, the result is similar. Of the 12 species previously reported from Corsica only 6 remain, two of them newly raised in rank; the remainder having either been excluded as corresponding to misidentifications or synonymised under a somewhat more generous species concept. In partial compensation for these "losses", two new interspecific hybrids are described and named.

Finally, the *Taraxacum* account brings no great surprise. It recognises 27 species (one unnamed due to lack of adequate material) in 9 sections, plus a 10th section, *T. sect. Taraxacum*, with an indiscriminate number of weedy species which not even the authors, keenest among taraxacologists, dare to distinguish or name – a failure that other, less experienced botanists may be soothed to note. The arguably most revolutionary innovation, here, is the introduction of the new concept and term of *nomina damnabilia*. The suggestion is that names published with too

lousy descriptions and based on material too poor for reliable identification be "cursed", or put into quarantine, at least until someone – preferably the guilty author – comes up with a more adequate description and type specimen. One wonders whether a proposal is forthcoming, to embody that notion in the *International Code of Nomenclature*. W.G.

10. Pier Virgilio ARRIGONI – Flora dell'isola di Sardegna, 5. – Delfino, Sassari, 2015 (ISBN 978-88-7138-642-3). 575 pages, 175 plates of drawings or in facsimile; laminated hardcover. [Received November 2015].

11. Pier Virgilio ARRIGONI – Flora dell'isola di Sardegna, 6. – Delfino, Sassari, 2015 (ISBN 978-88-7138-790-1). 540 pages, 188 plates of drawings or in facsimile; laminated hardcover. [Received November 2015].

The initial plan of this Flora has taken over 30 years to mature, but once Arrigoni got started he worked at remarkable speed. Within nine years (2006 to 2015) all six volumes have been published, the two last ones simultaneously last summer. Congratulations, Pier Virgilio, on this feat and happy end. You have contributed an important item to the growing number of basic modern Floras of Mediterranean areas.

Volume 5 comprises the last part of the dicotyledons (*Compositae* plus three smaller families) and the beginning of monocots ("*Liliiflorae*" families and orchids), vol. 6 the remaining monocots (aroids to *Commelinaceae*, including the aquatic groups, and the "*Glumiflorae*" families). Data presentation has remained remarkably uniform throughout the six volumes, so that little needs to be added here to what I have written on previous occasions (see *OPTIMA* Newslett. 38: (19-20). 2008; 40: (7-8). 2011; 42: (8). 2015). As before, the illustrations are an important asset. Apart from some

reproduced from the classical literature, Moris's *Flora sardoa* in particular, and a good number taken from recent papers (Arrigoni's own and those of, e.g., Ignazio Camarda and Franca Valsecchi, who are themselves consummate botanical artists), the drawings here presented, usually with analytical details, were unpublished to date. Indeed, one of the Flora's most valuable features is the abundance of original artwork, all contributed by excellent botanical illustrators – Anne Maury (omnipresent), G. Bernetti (most grasses), A. Mazzanti (sedges in particular), B. Buonarroti, and L. Bindi – who, one infers from the accuracy of every detail, were working under the author's immediate supervision.

The final volume ends with a cumulative generic index for the entire work, preceded by an inventory of taxa endemic to the Tyrrhenian islands. There also a substantial portion of addenda and emendanda, with two dozen additional taxa recently reported, confirmed, or described as new. One might have wished to find an overall bibliography or list of references but is disappointed, presumably because the short, sometimes cryptic, occasionally absent source indications in the body of the books are deemed sufficient. One item that is definitely lacking is a family key for Angiosperms, such as had been provided in volume 1 for the Pteridophytes and Gymnosperms. W.G.

12. Arne STRID – Atlas of the Aegean flora. Part 1: Text and plates. Part 2: Maps. [*Englera* **33(1-2)**. 2016; ISSN 0170-4818]. – Botanic Garden and Botanical Museum, Berlin, 2016 (ISBN 978-3-921800-97-3 & 978-3-921800-98-0). 700 + 878 pages, 48 plates of colour photographs, 4 + 3362 maps, graphs, colour photographs, tables; two hard-cover volumes. [120 €; received April 2016].

This sizeable and weighty opus is more than a chorological atlas of the Aegean vascular flora, as the title might make believe. It is also a complete Flora, with keys, short synonymies, descriptions, and critical notes in the first (text) portion, and with indication of habitat and general distribution in the caption of the maps, in the second portion. It is therefore a worthy successor to Reching-er's classical *Flora aegaea* of 1944, but differs from it in many important features. To draw a comparison: *Flora aegaea* lacks taxon descriptions and indications of general distribution; instead of distribution maps it includes literature references and specimen citations under each taxon; it covers non-vascular plants and the Turkish Aegean islands as well as the Turkish and Greek peninsulas extending into the Aegean Sea. Neither work has a family key or keys to genera, neither deals with nomenclatural types, and both tacitly include the (non-Aegean) Greek Kastellorhizo island group.

The maps have been produced directly from Strid's *Flora Hellenica Database*, with one positive and one negative consequence. On the positive side, they extend beyond the Aegean islands proper to the north and west, to encompass the whole Chalkidiki peninsula, Mt. Pelion, as well as most of Attica, Argolis, and the Malea peninsula (of course only for those taxa that occur on at least one Aegean island as well). Conversely, the two Aegean islands belonging to Turkey as well as the West Anatolian coastlands, not being represented in the database (not, as the introduction pretends, due to "scarcity of data"), are left off the maps. "Left off" is to be understood literally, in that the Turkish coastline, where it should appear on the mapped square, was simply erased, which leaves the offshore islands in the East Aegean as curiously isolated in a vast expanse of sea.

I have tried out this Flora repeatedly and found it to be well written, complete, accurate, and carefully edited, with due re-

spect for the practical needs of the user. The latter trait is obvious in such trivial details as family names appearing in the running title on each page: a most commendable (even though not generally followed) practice when, in a book, the information is given by alphabetically arranged, and somewhat idiosyncratically defined, families. One feature that is missing is a page reference to the relevant text entry in each map (the reverse reference does exist). W.G.

Popular Books

- 13. Giuseppe CARUSO – Andar per piante tra terra e mare. Escursioni botaniche sulle coste della Calabria.** – Koeltz Scientific Books, Königstein (Taunus), 2015 (ISBN 978-3-87249-483-6). [2] + 460 pages, 388 figures in colour (photographs and maps), 8 tables; laminated hardcover. [58 €; received September 2015].

In essence, Caruso's book is a popular guide to the plant world of a given region; but as such it is unusual in several respects, to begin with its uninformative title. "Going for plants between land and sea" suggests a botanist's hike along the shoreline. Which is wrong. First, it is not just the shoreline we are asked to contemplate, it is a full belt of coastal vegetation, dunes, marshes and cliffs; second, as the subtitle discretely informs us, the scenery is not set just anywhere but is a finite portion of the Mediterranean coast: the tip of the Italian boot, Calabria; and finally, truth be told, the sea hardly comes into the picture except as backdrop: no mermaids, no seaweeds, not even a bit of a seagrass – land alone matters.

The book's central portion is meant for use in the field. It suggests 25 excursions to worthwhile target areas, complete with detailed itineraries, a route map, mention of plants, and photographs of the botanical

landscape. The recommended sites are unevenly spaced all along the Calabrian coastline, wherever still unspoiled areas exist. This section is followed by a set of 207 plant portraits, each with a short description and colour photograph; and it is preceded by general chapters on the geomorphology, climate and plant cover of Calabria as a whole and on the biota of the coastlands in particular, with emphasis on the threats currently faced by what is still left of them.

Caruso is a naturalist at heart, and as such he is distressed when seeing greedy or thoughtless humans, with the blessing of politics, wreaking havoc on his homeland's natural heritage. This book is an anguished cry, a desperate plea for to putting hold to this process. But will those responsible bother to note? The author himself doubts it, he calls for a new cultural awareness of people, local people in the first place, to bring about a change of attitude of who is in charge.

This is perhaps the crucial question: for whom has this book been written? I dare say, for the author's own sake in the first place; which is not necessarily a bad thing, because texts written in that mood are usually – as is the case here – not only instructive but fascinating to read. Yet some more regard for the reader's legitimate needs would have been in order, e.g. by the provision of sensible indexes. There are indexes for sure, but they are unhelpful and, worse, incomplete. There is no subject index. The index of Latin names refers only to the formally treated and alphabetically arranged taxa and therefore gives no page numbers – but the same and many additional taxa are mentioned, and sometimes illustrated, elsewhere in the text, where they cannot now be found. The Web links provided in that index for a selection of the not formally treated taxa would be a commendable extra, were this an electronic publication; but how many will have the patience to type lengthy strings of alphanumeric garbage into his computer to

obtain relevant information? Also: using state-of-the-art plant names looks good, but may cause problems when species arrangement follows the alphabet. Who except the consummate freak will look up *Putoria* under *Plocama*, *Hedysarum* under *Sulla*, or *Otanthus* (which he has just learnt to prefer to *Diotis*) under *Achillea*? True, the still familiar synonyms are listed, but this does not help as synonyms are, on principle, not indexed.

Some sound editorial advice to the author, obviously not an expert writer yet, would have done this book a lot of good and benefited its readers. Even so, it is my wish that these readers be numerous – and be convinced to carry over the message it is meant to convey. W.G.

14. Edwin LANFRANCO & Guido BONETT – Wild flowers of the Maltese Islands. [*Nature Guide Series.*] – Book Distributors Limited, [San Gwann, Malta], 2015 (ISBN 978-99957-46-59-9). 208 pages, numerous colour photographs; laminated cover. [15 €; received January 2016].

There are many well illustrated wild-flower books for Mediterranean countries on the market, even a few for the Maltese Islands. The present one, which stands out by the good quality of its illustrations and high standard of scientific reliability, commendably lists a fair selection of similar and partly competing recent titles at the end. Almost 300 members of the native and archaeophytic flora of Malta, excluding trees but adding a few fully naturalised recent arrivals, are here presented in text and image; several more are briefly mentioned under their closest resemblance or relative. In a not very diverse flora like Malta's this makes up for over one third of the wild flora, and as the common and/or eye-catching plants have been selected in preference, the authors' claim is reasonable, that their book "should

enable one to name a fair proportion of wild plants growing in Malta". The text author, Lanfranco, drawing on his lifelong experience of high-school and university teacher, has been careful to use simple if scientifically accurate language, the few unavoidable technical terms being explained in a glossary. A rather uncommon, valuable feature is the care taken in selecting (and when necessary coining anew) appropriate common names, both in Maltese and English. The book, its reasonable price aiding, will no doubt be in high demand. W.G.

Regional Studies

15. Josep E. OLTRA I BENAVENT & Antoni CONCA I FERRÚS – Plantes vasculares del quadrat UTM 30S YJ21 Benigànim. [*ORCA: Catàlegs florístics locals*, 19.] – Institut d'Estudis Catalans, Secció de Ciències Biològiques, Barcelona, 2015 (ISBN 978-84-9965-282-5). 91 pages, maps, graphs; paper. [Received May 2016].

Three years after N° 18 (see OPTIMA Newslett. 41: (14). 2013), here comes the next item in ORCA's series of local floristic inventories, each devoted to one unit square of the Catalan mapping grid. The area covered lies in the southernmost portion of Catalunya, halfway between Valencia and Alicante. Three villages (Benagànim, Quatretonda, and Llutxent) are included, all situated in the southern half of the square, in lowlands of Miocene marls. The northern half is comprised of a chain of limestone hills (Sierra de Solana and Sierra de Portlitzot) culminating at 629 m of elevation. Climate and vegetation are basically Mediterranean. Cultivated ground and wasteland predominate. Few remnants of the potential oak wood vegetation subsist in a degraded state. By consequence, the vascular flora is rather trivial and, in spite of the presence of a con-

Publications

siderable number of alien, introduced species, not very diverse: 955 taxa (species and subspecies) plus 7 hybrids are listed. W.G.

- 16. Dêmétrios FOITOS, Georgia KAMARÊ, Nikê KATSOUNÊ & Geôrgios MÊ-TSAINAS (ed.) – To oros Ainos tês Kefalonias.** Istoría, fusiogeôgrafia, bi-opoikilotêta. – Foreas Diaheirisês Ethnikou Drumou Ainou, Kefalonia, 2015 (ISBN 978-960-9407-30-4). xvii + 333 pages, 213 illustrations (mostly colour photographs), two extra foldout colour maps; hardcover with dust jacket. [Received April 2016].

Mount Ainos (pronounced Enos) is the highest mountain of the Ionian island of Kefallinia (Cephalonia): a long, north-to-south oriented ridge in the island's south-eastern part, which culminates at 1627 m in Mt. Mega Soros (the big stone heap, aptly so named). It draws its fame principally from the large forest of Greek fir, *Abies cephalonica*, a tree that was originally described from there. Today the higher portion of the range, including the entire fir wood, is protected as a National Park and, as such, is very popular among Greek and foreign nature lovers. This splendid and informative book is written for them. Its initial chapters are devoted to the mountain's (and island's) history, including classical and archaeological sources, and to physical geography. Other, richly illustrated parts deal with the vegetation, the vascular flora (with emphasis on the local and regional endemics and with a large section on orchids), the fungi, and the fauna. Illustration is generous and of superb quality. The texts, for who is familiar with modern Greek, are well written and informative (there is an extensive list of literature references at the end of each chapter). The only English phrase I was able to spot in the whole book is in the (bilingual) caption of the photograph on the cover inside – but

perhaps, subject to availability of funds, may we hope for an English edition? W.G.

Excursions

- 17. Ina DINTER – Insel Rhódos, EAe (Gr).** Botanische Studienreise vom 21. April – 3. Mai 2015. Exkursionsbericht. – Privately assembled/printed, Ostfildern, 2015. IV + 51 pages + CD-ROM, map, graphs, colour photographs, tables; paper, plastic front cover sheet. [Received August 2015].

For the general scheme and layout of Ina Dinter's excursion accounts, see e.g. OPTIMA Newslett. 41: (15-16). 2013. The above item relates to a group excursion to the island of Rhodes, at the SE corner of the Aegean archipelago, under the author's expert leadership. As the group members are for the most part inveterate disciples of Ina Dinter who are coming into their years, the programme was physically less demanding than on former occasions. A beach resort just west of the city of Rhodes was chosen as the excursion's single base, and hired cars were used for the trips, ensuring increased mobility. About 20 localities were visited, all around the island's perimeter and also in the interior, and plant lists are here included for 16 of them, with mention of voucher specimens (in Dinter's private herbarium) and photographs, if any. A selection of plant portraits and landscape pictures is documented in the attached CD-ROM. As usual there is a consolidated plant list at the end of the text, which however, regrettably, this time lacks the customary reference to the corresponding individual localities.

W.G.

- 18. Ina DINTER & Reiner ZIMMERMANN (ed.) – Norden der Insel Zypern.** Botanische Exkursion. Institut für Botanik,

Universität Hohenheim, Stuttgart, 13.-24. März 2015. Exkursionsbericht. – Universität Hohenheim, Stuttgart, [2016] (ISBN 978-3-00-052073-0). vii + 129 pages, 262 figures (colour photographs, maps, graphs), 16 tables; paper. [Received February 2016].

This account relates to the newer kind of Ina Dinter's excursions: student field courses, led by her as a lecturer of the Stuttgart-Hohenheim University (see also OPTIMA Newslett. 42: (12-13). 2015). It is thus an official publication of that University. Most daily or half-daily accounts of the report were written by the students themselves, 15 in number, to which 10 senior participants plus the leader must be added: a sizeable group indeed. Dinter herself is the author or co-author of several chapters and of a number of plant portraits disseminated throughout the text, indexed on p. 124. In all, over 320 plant taxa were found and many of them photographed (but none collected). They are listed separately for each locality and again in a synthetic table at the end.

As is the rule of Dinter's many excursion reports, botany is only part of the menu, which includes aspects of the visited country's culture, architecture, archaeology, landscapes, and animals. The present report is particularly well illustrated. For German-speaking visitors, it offers itself as a valuable complement to the available Floras and wildflower books. As long as the stock lasts, copies can be obtained from the main editor (ina_dinter@uni-hohenheim.de). I have found no price quoted. W.G.

Conservation Topics

19. Virgile NOBLE, Jérémie VAN ES, Julie DELAUGE, Dorothee MEYER & Céline HAYOT (ed.) – Liste rouge régionale de la flore vasculaire de Provence-

Alpes-Côte d'Azur. – Le Naturographe, [Gap], 2016. [2] + 20 + [2] pages (including cover sheet), colour photographs, graphs, tables; paper. [Received June 2016].

Provence-Alpes-Côte d'Azur (PACA) is one of 22 administrative Régions of France, situated in the countries SE corner and comprising 6 of the traditional Départements, from Bouches-du-Rhône east to Hautes-Alpes and Alpes-Maritimes. With about 3400 vascular plant species, including 31 strict endemics, it is one of the floristically richest areas of France and indeed Europe. The SW Alps are of particular phytogeographic interest, being considered as the area where much of Europe's plants have survived the last glaciation, and still home to many old relict species. The present account is enlivened by colourful photographs of a small sample (13 species) of PACA's flora.

The present "red list" enumerates in tabular form those species and subspecies that are considered to be threatened or extinct on the PACA territory, grouped by relevant IUCN threat categories: RE (regionally extinct: 26 species + 1 subspecies), CR (critically endangered: 49 + 6), EN (endangered: 118 + 7), and VU (vulnerable: 200 + 24). This means that 11.6 % of the native vascular species are rated threatened or extinct, a percentage that is due to increase when the data-deficient taxa, not yet evaluated, can be included in the analysis.

W.G.

20. Dimitar PEEV, Antoaneta S. PETROVA, Mincho ANCHEV, Dobrina TEMNISKOVA, Cvetomir M. DENCHEV, Anna GANEVA, Chavdar GUSSEV & Vladimir VLADIMIROV (ed.) – Red data book of the Republic of Bulgaria. Volume 1. Plants and fungi. – Bulgarian Academy of Sciences & Ministry of Environment and Waters of Bulgaria, Sofia, 2014 (ISBN 978-954-9746-21-1 &

Publications

798-954-8497-17-6). 881 pages, illustrations (most in colour) maps, 1 table; hardcover. [Received June 2016].

The precursor, or first edition, of this book was published in 1984 in Bulgarian, with title *Červená kniha na NR Bălgarija* (see OPTIMA Newslett. 17-19: 69-70. 1985). At that time it was a pioneer achievement, one of the early national Red Data Books, indeed the first to be published for a country of the Mediterranean region. It is worth mentioning that the general design of the book was so far-sighted that it was not necessary to alter it radically after thirty years. Of course, some changes are apparent: threat categories have been adjusted to the current, IUCN-defined international standards; data in the (now English) text have been expanded and the map enlarged, with the result that one rather than two species are presented on each page; algae (6), bryophytes (102), and fungi (149) have been included, each with its own reference list; the arrangement is no longer taxonomic but alphabetical within each threat category (not really an improvement). All illustrations are new, mostly colour paintings by Dimitar Vlaev (colour photographs for many algae and bryophytes, drawings for two algae). Page number has almost doubled.

Limitations of space and funding have regrettably resulted in less complete coverage than was possible in the first edition. For vascular plants, only 549 taxa instead of the former 763 have been treated – a 28 % decrease. The difference affects plants of the “vulnerable” category, of which only a small selection could be taken on board. Nothing is said on the criteria for that selection, nor has, regrettably, a complete list of threatened (including vulnerable) taxa been provided. Such a “red data list” does however exist (prepared by Petrova & Vladimirov in *Phytol. Balcan.* 15: 63-94. 2009; similar lists for bryophytes and fungi were produced separately).

A question to which one hopes to find an answer here is: how has the situation, for vascular plants, evolved in the 30 years since the first edition appeared? What are we told, in particular, with respect to extinction? In 1984, 31 taxa were considered to be extinct in Bulgaria, one of them a global extinction (*Hypericum setiferum*, known only from the type gathering and of uncertain taxonomic value). In 2014 the number has decreased to less than half: twelve regional extinctions and two global extinctions (the single known tree of *Quercus thracica*, a hybrid or variant of *Q. cerris*, having died of disease or old age by 2009). Does this mean that the situation is less alarming now than it was before? Not really. Rediscovery of some previously disappeared plants and dismissal of others that had been recorded in error explain the apparent decrease. Conversely, five species formerly listed as threatened are now rated extinct: *Lycopodium complanatum*, *Dracocephalum thymiflorum*, *Herminium monorchis*, *Lathyrus transsilvanicus*, and *Quercus thracica*. But again: if you look at the dates, you find that for three of the plants disappearance is not recent: they were last seen in 1934 or even before. We are left with a single case of recent extinction, *Dracocephalum*, last observed in 1989. All in all, the situation of the Bulgarian vascular flora is less dramatic than one might have feared – for which Bulgarian botanists, including the present authors, may take part of the credit. The announced online publication of an expanded version of the book will no doubt enhance its beneficial impact on public opinion and policy makers.

W.G.

Bibliography and Biography

21. Gerhard WAGENITZ & Hans Walter LACK – Carl Ludwig Willdenow, ein Botanikerleben in Briefen [*Annals of*

the History and Philosophy of Biology, **17**: [10] + 1-289 (ISSN 1863-0197)]. – Universitätsverlag, Göttingen, 2015. 8 figures (facsimiles); paper [journal volume; no reprint seen]. [Received March 2016].

The interest of this essay for historical botany in general may justify its presentation, although it is neither an independently issued work nor is it particularly relevant to Mediterranean plant studies. As a botanical author, Carl Ludwig Willdenow, also surnamed the “Prussian Linnaeus”, is familiar to all botanists. This is not the first learned text written on him, but shows an original approach that makes it particularly attractive: it presents the man and botanist Willdenow as he appears through the letters written by him to others.

Not as easy a task as it might seem, and one involving a considerable amount of sleuthing. To begin with, of the letters written by others to Willdenow virtually nothing has survived (the exception being a few written by Alexander von Humboldt, one of which also transcribed here). The authors had to be content in showing one face of the medal – and how to find it must not have been an easy task. Starting from the holdings of Willdenow’s herbarium and, from there, concluding who the likely correspondents might have been, they were able to find 156 of Willdenow’s botanical letters, scattered through the state and institutional archives of Europe and America. Curiously (and regrettably) they tell little of the search itself, they even fail to give an overview of the consulted repositories (which are mentioned only under the individual, chronologically arranged letters).

Otherwise, the essay is not only suitably indexed and easy to consult, it is also exemplary in placing the biographically and botanically relevant data into an historical and political context. Thereby, an overall picture arises of that important part of European

culture of the time that was correspondence among peers. It makes one wonder what will one day happen with our current, even more widespread and intense electronic mail network, so marvellously easy to handle, search and organise – yet so desperately fragile an ephemeral. Will we be able to create structures for conserving at least some of it before it becomes irredeemably lost? Our life, it sometimes appears to me, happens in an historical vacuum, so no one cares. But others might come after us, one hopes, to rediscover the time dimension of our being.

Sorry for having gotten off track. What remains to be said is that the paper at hand includes aspects one would not necessarily expect under its title: a complete bibliography of Willdenow’s scientific writings, scattered through several journals; extracts from the personal friendship album of Willdenow’s youth; and notes on the subsequent fate of his herbarium and library, with suggestions for further investigations on the missing avascular plant collections. A wealth of potentially useful and largely unknown information, brought to light by two botanists with a shared interest in Willdenow who also happened, each in his turn, to supervise the Berlin-Dahlem library and *Compositae* collections. W.G.

22. André CHARPIN & Gérard-Guy AYMONIN † – Botanistes de la Flore de France. Notices biographiques [ed. 2]. [*Le Journal de Botanique*, hors-série **2015** (ISSN 1280-8202)]. – Société botanique de France, 2015. 197 pages, numerous figures (portraits), 1 colour plate; paper. [25 €; received April 2016].

Early in 2000, Aymonin & Charpin published their *Bibliographie sélective des Flores de France* as issue 10 of the *Journal de Botanique* (see OPTIMA Newslett. 36: (42-43). 2002): an inventory of floras and

floristic papers published between 1753 on vascular plants of the French homelands (excluding the overseas departments). A second part of the *Bibliographie*, with subtitle “Notices biographiques sur les auteurs cités” and authored by Charpin & Aymonin, appeared in 2003 and 2004, in four instalments, in the same journal. The present book is its consolidated, corrected and expanded second edition.

This is not, as a hasty glimpse at the title might make believe, a biographical compendium of French botanists. First, you need not be a botanist to be admitted, as a foreigner you qualify just as well, provided you have published a book or paper on the French flora; second, you must have published, just knowing the plants and assembling a herbarium won't do; third, vascular plants only count; and fourth, you must have been dead since at least 2002 (coverage of the present edition has apparently not been expanded to later casualties). If you fulfil these criteria you may be pretty sure to find yourself mentioned, with places and dates of birth and death officially certified by the competent municipal and departmental registers, of which scores have been consulted by the authors to establish or authenticate the data.

The second edition, while more practical to use, also offers two novel aspects. Firstly, it is enriched by a large number of portraits, many of them unpublished before: engravings and photographs have been used liberally, most of them kept in the archives of Geneva's Conservatoire botanique. It gives you quite a different, more immediate feeling when you can look at the image of the person alongside with the dry data of his life [a propos persons: disregarding admixtures, all those portrayed are male, with a lone exception: Aimée Camus]. Secondly, a so-called index has been added, listing botanical authors by departments; but that index is so blatantly incomplete as to be

virtually useless, and you are better off consulting the original *Bibliographie* instead. Just think: no regional floras are allowed; Corsica lacks Briquet, Litardière, Bouchard and Marcelle Conrad; and none of Lamarck, Candolle, Grenier, Godron, Rouy, Fournier or Guinochet are acknowledged to have authored a French flora. W.G.

23. Stefan STANEV – Čuždestranni izledovateli na bălgrskata flora i rastitelnost (do 1944 g.) [Foreign explorers of the Bulgarian flora and vegetation (up to 1944)]. – Universitetsko Izdatelstvo “Pajsij Hilendarski”, Plovdiv, 2016. 147 pages, 29 figures (portraits); paper. [Received July 2016].

A useful account of 30 foreign botanists who contributed to the knowledge of Bulgarian plants, either by exploring the country themselves or, in some cases, by studying material collected by others. One of them, Ami Boué, is a pioneer of vegetation science, several others made important contributions in the field of phytogeography, but essentially they were collecting and describing (vascular) plants. Three early travellers, Sestini, E. D. Clarke and Dumont d'Urville, are mentioned briefly in an introductory chapter. The others are treated more extensively, with mention of their important floristic achievements including Bulgarian plants first described by them, a list of their own relevant publications, and a bibliography of sources. They are: Sibthorp, Frivaldszky, Boué, Grisebach, Janka, Boissier, Dingler, Pančić, Velenovský, Bornmüller, Vandas, Degen, Podpěra, Zahn, Hayek, Adamović, Turrill, Mattfeld, Novák, F. Hermann, and K. H. Rechinger. A tabular inventory of Frivaldszky's new taxa, with full protologue reference and, as far as possible, specimen provenance will be found to be of particular usefulness. Some other active explorers have been inexplicably left out, such as Formánek. W.G.

Names and Nomenclature

- 24. Yusuf MENEMEN & Ali A. DÖNMEZ** (transl.) – **Uluslararası alg, mantar ve bitki Adlandırma Yasası (Melbourne Yasası)**, Onsekizinci Uluslararası Botanik Kongresind, (Melborn, Avustralya, temmuz 2011); kabul edilmiş ve J. McNeill, Başkan, F. R. Barrie, W. R. Buck, V. Demoulin, W. Greuter, D. L. Hawksworth, P. S. Herendeen, S. Knapp, K. Marhold, J. Prado, W. F. Prud'homme van Reine, G. F. Smith, J. H. Wiersema, Membri, üye N. J. Turland, Editoryal Komite Sekreteri, tarafından düzenlenip, yayına hazırlanmıştır. – Hacettepe Üniversitesi Yayınları, 2014 (ISBN 978-375-491-406-1). xxxi + 208 pages; laminated flexible cover. [Received July 2015].

The Turkish translation of the English edition of the Melbourne Code, predicted last time (OPTIMA Newslett. 42: (20). 2015), has now been published. The numerous and active Turkish biologists working in plant, algal and fungal taxonomy have no longer a valid excuse for not knowing, and not abiding by, the rules of nomenclature that prevail in their respective groups. They will certainly welcome this new tool, even more important to their work owing to the fact that the Melbourne Congress, in 2011, approved important changes in the rules. Also, in the Melbourne Code an entire chapter, related to the valid publication of names, has been substantially restructured. W.G.

- 25. Joan VALLÈS I XIRAU, Joan VENY I CLAR, Josep VIGO I BONADA, M. ÀNGELS BONET I GALOBART, M. Antònia JULIÀ I BERRUEZO & Joan Carles VILLALONGA I TERRASA – Noms de plantes. Corpus de fitonímia catalana.** – TERMCAT, Centro de Terminologia, Barcelona, 2014 (ISBN 978-84-393-9168-5). 1085 pages + 32 extra plates of

colour photographs; hardcover. [Received June 2016].

How should botanical nomenclators in common language be organised, what should they look like? This heavy volume pioneers in suggesting good answers to these questions. It is, dare we hope, a good start into a new era of multilingual botanical nomenclature.

The book is a dictionary to plant names in Catalan language that appear in published (including electronic) sources, together with their internationally known scientific, Latin equivalent. It does not result from “field work”, meaning the direct inventorying of the usage of common names in local communities, and indeed discards such information unless it has been separately published. Its coverage is not defined geographically, except through the area covered by the used information sources; rather it encompasses any area in which some form of Catalan is spoken, including the region of Valencia, the Balearic Islands, and French territories in the E Pyrenees; nor is it confined to taxa indigenous to those regions, as it takes on board any cultivated (including ornamental) plant that is sufficiently well known to be mentioned in Catalan speech. One clear limitation exists: non-vascular plants are excluded.

Catalan plant nomenclature is just that: nomenclature; and it follows concepts and procedures surprisingly analogous to scientific nomenclature as governed by the International ex-botanical Code: there are accepted names, synonyms of various categories, and homonyms (here termed homophones); potentially, though only by implication, Catalan names have types (the types of the equivalent scientific name) and authorship (the authors of the source works from which they were taken). One even finds names for form-taxa or organ-taxa (referring to special plant parts or life cycle stages)!

The body of the book thus follows a familiar arrangement. The alphabetically arranged entries are either cross-references to an accepted name (care: “veg.” means see, not vegetable) or accepted names, in which case they are followed by synonymy, Latin equivalent, family placement and sometimes notes. Catalan names are assigned gender and number and referenced to selected sources. Three categories of synonyms are recognised (but the scope and criteria for distinguishing them remain somewhat mysterious): normative synonyms, plain synonyms, and linguistic variants (not coextensive with what we would define as orthographical variants), the two former also appearing as cross-referenced entries in the main list, and the two latter (but not the first) being indexed as linguistic variants – a perhaps unnecessary, impractical complication. Otherwise the information is as complete and rationally presented as one might wish. The single item those users not familiar with Catalan (of whom there might be many!) will miss is a guide to correct pronunciation.

The bulk of information in the book is impressive. Administered in a database, over 35000 Catalan designations and some 8400 Latin names have been brought together and referred to 5800 recognised taxa: certainly not an easy undertaking, but it proved to be feasible. A huge step forward indeed – but not yet the final step. The problem of synonymy, in principle at least, has been solved, but homonymy remains. The current approach places no ban on accepting the same designation for more than one taxon, e.g., one genus and more than one of its species (as in *ortiga*), or even many partly unrelated species (*cotó*, the accepted designation of 16 species of 5 genera in 3 different families). Unless and until homonyms are disallowed (by synonymising all, or all but one, of those now accepted), Catalan designations will not achieve their potential role as univocal communication vectors. W.G.

Herbaria and Libraries

26. **Piero CUCCUINI, Chiara NEPI, Mohamed N. ABUHADRA, Lorenzo CECCHI, Helmut FREITAG, Egildio LUCIOLI, Maria MAIER STOLTE, Rossella MARCUCCI, Lorenzo PERUZZI, Lia PIGNOTTI, Adriano STINCA, Bruno WALLNÖFER & John WOOD** – **The Libyan collections in FI (Herbarium Centrale Italicum and Webb Herbarium) and studies on the Libyan Flora by R. Pampanini.** [*Boccone*, 27(2), ISSN 1120-4060 (print), 2280-3882 (online).] – Herbarium Mediterraneum Panormitanum, Palermo, 2015. 132 pages, 10 black-and-white figures (photographs, maps), 2 tables; paper. [Received January 2016].

The Libyan Herbarium in Florence (FI), which goes back to Pampanini, was kept as a separate unit until 1988. After that date it was incorporated in the *Herbarium Centrale Italicum*, where it can still be individuated by being kept in separate folders. The Libyan phanerogam material at FI, estimated to comprise ca. 23,000 specimens, is one of the most important extant collections for that country, reflecting Libya’s status of an Italian colony from 1911 to the end of World War II. To compare: Libya’s largest own herbarium, at Tripoli (ULT), avows N African holdings of 35,000 specimens. The Florence material served as a basis for the description of a considerable number of new taxa, mostly by Pampanini himself and predominantly of infraspecific rank (variety or forma), for the names of which the types, mostly not yet designated, are expected to be found there.

The present publication, coordinated by Cuccuini and Nepi, is apt to focus public awareness on the neglected treasures of this unique collection. An account of the collection’s history and its main artisans, the collectors, is followed by the enumeration of

angiosperm taxa described from it as new and of the types of their names, ordered by alphabetically arranged families, letters A to M. The second half, pertaining to families initialled N to Z, we will have to await some more. Note that family names, with two exceptions (*Capparaceae* and *Chenopodiaceae*, here maintained) are those accepted in Dobignard & Chatelain's *Index synonymique de la flore d'Afrique du Nord*. Each of the so far 240 names is referred to the currently accepted taxon; previous type designations are mentioned whenever they exist, and when not, typification in most cases is effected here.

The text is not always easy to read and understand, partly due to linguistic problems and partly owing to the authors' idiosyncratic use of nomenclatural terms. In particular: types have no rank (one can speak of categories of types); when there are syntypes there cannot be a holotype (see *Allium aschersonianum* f. *laeve*), and when the "protologue does not mention any specimen" there cannot be syntypes (see *Pachyctenium mirabile*); besides, the "type" designated for the latter name (the epithet of which is repeatedly misspelled "*mirabilis*") is not a specimen as defined by the *Code*, but part of a specimen, which is why the designation is ineffective. These are trivial points, for sure; yet the authors might perhaps better seek competent nomenclatural advice when writing up the second half of their paper – with which they are strongly encouraged to proceed. W.G.

Congresses and Meetings

27. Lorenzo PERUZZI & Gianniantonio DOMINA (ed.) – Società Botanica Italiana, Gruppo per la Floristica, Sistematica ed Evoluzione. **Approfondimenti floristici e sistematici sulla flora d'Italia**. Dedicato a Edda Lattanzi in occa-

sione dei suoi 85 anni. Comunicazioni. Orto Botanico, La Sapienza Università di Roma, 20-21 novembre 2015. – Società Botanica Italiana, Firenze, 2015 (ISBN 978-88-85915-17-6). 66 pages, 4 black-and-white photographs; paper. [Received November 2015].

This pamphlet is dedicated to Roman botanist Edda Lattanzi on the occasion of her 85th birthday. It begins with an illustrated digest of her botanical career and activities, by some of her friends and admirers, followed by a list of her published work. After which come short versions (two pages each) of 23 papers or workbench reports presented at the annual meeting of the SBI's Gruppo per la Floristica, Sistematica ed Evoluzione. Most are referred to particular species (*Cnidium silaifolium*, *Dracocephalum austriacum*, *Viola kitaibeliana*), species groups (*Allium cupanii*, *Centaurea panormitana*, *Silene colorata*, *Trifolium vesiculosum*) or genera (*Alchemilla*, *Bellevallia*, *Dipterosperma*, *Lycopus*, *Pancratium*, *Pinguicula*, *Pulmonaria*), some to particular areas or regions, habitats (glaciers, temporary ponds) or botanists (Savi, Visiani). As before (see OPTIMA Newslett. 42: (21). 2015), the aim is not to present concrete results but rather to inform on current projects and ongoing research. W.G.

28. Daniel JEANMONOD (ed.) – **Le rôle des jardins botaniques alpins dans le monde moderne** [Mémoires de la Société botanique de Genève, 4, ISSN 0250-166x.] – Société Botanique, Genève, 2016 (ISBN 978-2-8278-0047-6). 74 pages, photographs in colour and grayscale, graphs, maps; paper. [Received June 2016.]

The 125th anniversary celebrations of the Alpine Botanic Garden "La Linnaea" at Bourg-Saint-Pierre, Valais, Switzerland, included a one-day scientific symposium held

on its premises on July 5, 2014. Founded by Geneva horticulturist and botanist Henry Correvon with the prime purpose of raising, studying and crossing high-mountain plants, “La Linnaea” soon became a renowned base for scientific studies; later, under the leadership of Robert Chodat, chairholder of Botany at Geneva University, developed into an internationally active centre for academic training and research. Its plant collections are currently being taken care of by the Conservatoire Botanique, City of Geneva.

This proceedings volume includes 8 of the 9 lectures held during the jubilee symposium, spanning a wide range of subjects related to Alpine botany and the role of Alpine botanic gardens, from their history to their current significance for research, conservation, and education. It is dedicated to the memory of Jaques Naef, long-time president of the academic committee in charge of the Garden.

W.G.

Festschrift

29. Franco PEDROTTI & Gianniantonio DOMINA (ed.) – Festschrift for Francesco Maria RAIMONDO on the occasion of his 70th birthday. [*Flora mediterranea*, **25** (special issue), ISSN 1120-4052 (print), 2240-4538 (online).] – Herbarium Mediterraneum Panormitanum, Palermo, [2015-]2016. 315 pages, black-and-white illustrations (photographs, maps), tables; paper. [Received January 2016].

A special volume of a journal founded by himself has been published to commemorate the 70th birthday of Francesco Maria Raimondo, OPTIMA President – to mention but one of the prestigious charges he has held along his rich, busy and utterly produc-

tive botanical career. It includes 25 papers dedicated to him by his friends and admirers, all but one on topics related to Mediterranean botany. Studies of vegetation and phytogeography are included alongside others on bryophytes and fungi (Italian *Pleurotus*). Vernon Heywood’s essay on Mediterranean botanic gardens will come as a special titbit to Franco who has spent years to successfully restore the Palermo Garden to its former splendour and endear it to the city’s population.

Most papers, however, deal with the taxonomy of Mediterranean plants. If my count is accurate, 15 species and one subspecies have been first described and named here, three of them dedicated to the birthday boy: *Isatis raimondoi*, *Centaurea raimondoi* (which I would place in *Cyanus*), and *Clinopodium raimondoi*. There is also a new Turkish fritillary (*Fritillaria asumaniae*) and two taxa of *Armeria* from peninsular Italy, for which area Arrigoni has revised the genus. But it is Brullo & al. who take the biscuit in revising the *Allium cupanii* group, which they pulverise into a full dozen of species, ten newly described (which on the basis of their descriptions can all be safely synonymised, four with *A. hirtovaginatatum* and six with *A. cupanii*).

A Palermo publication has by rights to be belated, and this one is no exception. Raimondo himself would probably not have been comfortable had the book been presented to him on a platter along with the birthday cake. Much better after a year and some, as anyway he does not look seventy yet. The artisans, not of the delay (that’s the authors’ fault) but of having the volume published, Franco Pedrotti and Gianniantonio Domina, deserve our congratulations, which they may accept with justified pride.

W.G.

OPTIMA COMMISSIONS AND COMMITTEES

(2013-2019)

Commission on Bryophytes

Secretary: R. M. Ros, Murcia
E-mail: rmros@um.es

Commission for Common Names

Secretary: M. Aghababian, Erevan
E-mail: m_agababian@hotmail.com

Commission for DNA Banking

Chairs: M. Bou Dagher Kharrat
A. Scialabba, Palermo
E-mail: magda.boudagher@usj.edu.lb

Commission for the conservation of Economically important and Endemic Plants

Chair: V. H. Haywood, Reading
Secretary: J.M. Iriondo
E-mail : jose.iriondo@urjc.es

Commission for the Diffusion on Knowledge on Mediterranean Plants

Chair: O. Vasić, Beograd
Secretary: U. Plittman, Jerusalem
E-mail: uzi@vms.huji.ac.il

Commission on Fungi

Chair: G. Venturella, Palermo
Secretary: G. I. Zervakis, Athens
E-mail: zervakis@aia.gr

Itinera Mediterranea Commission

Chair: B. Valdés, Sevilla
Secretary: E. Vitek, Wien
E-mail: ernst.vitek@nhm-wien.ac.at

Lichen Commission

Secretary: A. R. Burgaz Moreno, Madrid
E-mail: arburgaz@bio.ucm.es

Commission on Mediterranean Type Material

Chair: J. Molina, Montpellier
Secretary: G. Domina, Palermo
E-mail: gianniantonio.domina@unipa.it

OPTIMA Herbarium and Library Commission

Chair: W. Greuter, Palermo & Berlin
Secretary: F. M. Raimondo, Palermo
E-mail : francesco.raimondo@unipa.it

Commission for Karyosystematics and Molecular Systematics

Chair: G. Kamari, Patras
Secretary: C. Blanché, Barcelona
E-mail : cesarblanche@ub.edu

Commission for Mediterranean Ethnobotany (2016-2019)

Chair: J. Vallès, Barcelona
Secretary: T. Ulian, Kew
E-mail : t.ulian@kew.org

Web Commission (2016-2019)

Chair: K. Hüsnü Can Baser, Eskişehir
Secretary: G. Domina, Palermo
E-mail: gianniantonio.domina@unipa.it

Prize Commission

Secretary: G. Domina, Palermo
E-mail: gianniantonio.domina@unipa.it

Submission of contributions to OPTIMA Newsletter: Articles and news related to Mediterranean botany are welcome. Please send all texts as a Microsoft Word file to the pertinent Commission Secretary, or directly to the OPTIMA Secretariat.

OPTIMA Newsletter 43

Contents

Publications Offer.....	1
OPTIMA Membership	5
OPTIMA News	6
Meetings	13
Meetings Announcements	14
Notices of Publications.....	(1)
OPTIMA	(1)
Cryptogams	(2)
Phanerogams	(2)
Floras	(7)
Popular Books.....	(10)
Regional Studies	(11)
Excursions.....	(12)
Conservation Topics	(13)
Bibliography and Biography.....	(14)
Names and Nomenclature	(17)
Herbaria and Libraries	(18)
Congresses and Meetings.....	(19)
Festschrift	(20)