Nostalgic weeds: *Lathyrus tuberosus* L. in wheat, Frankfurt, July 2010. It used to be a common weed in Germany in the 50’s. It was easily controlled, however, by auxin herbicides and was not very common any more from the sixties onward in Western Europe. Today one can see it more often again. It likes limestone soils. You can find it all over Europe. Farmers leave it at the borders of their fields. It looks nice and has a nice scent. It produces root tubers which can be eaten. It is my favourite weed as it reminds me of my childhood in Southern Germany. (Picture and text: Hansjörg Krähmer).
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Weed control demonstration in Martonvásár Research Institute during the field trip organised during the 15th EWRS Symposium, Kaposvár, Hungary (picture: Lajos cziffra)......................................................... 19

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Dear Colleagues,

The 15th EWRS Symposium was a great success for our society. The Symposium had 283 participants from 34 countries. Everything was well prepared and organized. I herewith express my sincere thanks to Gabriella Kazinczi (see picture left) and her colleagues and also to Nandor Matrai for the wonderful arrangements. I think all attendees enjoyed this Hungarian experience.

Of course it was hot there, but it was hot everywhere in Europe. You will find more reports about the Kaposvár symposium in this and the next Newsletter issue. These reports will demonstrate that our society is continuously growing. At the General Assembly, Ben Post mentioned 643 ordinary members in 2010 compared with 541 last year. The reputation of Weed Research is still increasing. The citation index has gone up again. We can really be proud of our achievements.

Not everybody in our business, however, feels satisfied. Agriculture still suffers from low commodity prices and from the drought affecting this year’s harvest. It is also not everywhere that politics is in favour of our subject. WSSA president John Jachetta recently objected to the elimination of “virtually all” funding for weed-related programmes in the budget of the USDA’s National Institute of Food and Agriculture. This year, funding of research on weed control seems to be reduced in many developed countries. What is the reason? It appears that many politicians don’t regard applied agricultural science as a primary research objective any more. Scientists have already responded to this attitude. They try to get more funding for ecological research programmes nowadays. Biodiversity projects receive more recognition than sheer weed control regimes. Sustainability is another key word related with biological systems. Sustainability is, however, also required when it comes to know-how and experience. It is absolutely necessary to keep the high standard of research institutions with a long lasting know-how in given research areas. Science needs innovation and continuity. It has to be applied to the advantage of the taxpayer and humankind in general. Molecular biology will not solve all our problems. Weed scientists will have to know whole plants, they will need a basic knowledge of plant physiology and of course of weed and plant communities. Maybe EU driven biodiversity programmes will open new doors for us.

I hope you can read this Newsletter after a good holiday or just before your vacation, in a good mood in any case

Hansjörg Krähmer
In Memoriam

Obituary

In memoriam

Dr. ir. Wybo van der ZEEP

EWRS Honorary Member 1984


Thomas EGGERS, Braunschweig; Henk NABER, Wageningen; Ray HANCE, Oxford

Dr Wybo van der ZEEP passed away on 2 February, 2009 at the age of 86. He studied tropical forestry at the Wageningen University till 1949, and continued his studies in the USA at the University in California, Davis, where he was awarded his PhD. In 1955 he became head of the Department of Weed Science of the Agricultural Research Centre (CABO, Centrum voor Agrobiologisch Onderzoek) at Wageningen.

Weed Science, especially in Europe, owes much to Dr Wybo van der ZEEP. His involvement began with foundation of the European Weed Research Council (EWRC) in Oxford in 1960 under the Presidency of Prof RADEMACHER. When in the 1970s the EWRC decided to expand into the larger European Weed Research Society (EWRS), Wybo van der ZEEP, being the EWRC Secretary, worked on the formulation of the EWRS Constitution. It was only natural that Wybo van der ZEEP was a Member of our Society since its foundation in 1975.

At the 2nd EWRS General Assembly in 1976 at Brighton, the Vice-President Dr Rudolf K PFEIFFER introduced the 1st Scientific Secretary Wybo van der ZEEP and paid tribute to the latter’s enthusiasm and capacity for hard work on behalf of the Society. He reviewed the achievements of the newly established Scientific Committee, highlighting the definition of the terms of reference now embodied in the EWRS Constitution, the preparation of guidelines to the organisation of symposia and the establishment and operation of research groups. Wybo’s successful term of office as Scientific Secretary lasted from 1975 until 1979.

The 9th EWRS General Assembly in 1983 conferred Honorary Membership on him which was but small thanks from us for his work. He received his Honorary Membership at the 10th General Assembly 1984 which was held in Oeiras on the occasion of the 3rd Mediterranean Weed Science Symposium. Prof Pedro AMARO presented the recently printed Proceedings of the 1st EWRC Mediterranean Symposium 1966 at Oeiras which included a dedication to Miss Joan THURSTON and Dr. W. van der ZEEP.

Wybo van der ZEEP’s sense of organisation, untiring enthusiasm and enormous capacity for work were outstanding, and this was apparent to a greater or lesser degree in the organisation of many international symposia promoted or shared by EWRC/EWRS. Wybo’s career was truly international. The relations of EWRC/EWRS with other international societies and organisations grew yearly and became more complex, again largely the result of Wybo's initiatives. His presence was often in demand at international meetings on Weed Science. His words were always listened to with respect and admiration due to his unquenchable enthusiasm and brilliant capacity for summing up. One of the objectives of the EWRS is to improve international communication amongst scientists. One of Wybo’s last contributions (together with Gareth WILLIAMS) was to develop an Interdisciplinary Dictionary of Weed Science: Dansk; Deutsch; English; Español; Français; Italiano; Nederlands; Portugues.
The Training Workshop aimed at analysis of physical and chemical weed control data with linear and nonlinear regression models and took place in the beautiful capital of Slovenia (Figure 1) where we had a two-day intensive course in November 2009 with a total of 18 participants from six countries (Figure 2). The venue was conveniently placed close to the city centre. We wish to convey our particular thanks to the director, Andrej Simončič, Ph.D. Weed Science, Herbicides and Ecology, Agricultural Institute of Slovenia, Ljubljana, for hosting the course and also for facilitating our comfortable stay at the local hotels. The facilities are excellent at the Institute with a large auditorium well-equipped with the latest technology to be used in the teaching.

The course gave the basic of the environment and programme R, which within few years has becoming the lingua franca in the quest for proper graphical and statistical analysis of biological experiments. The teaching focused on regressions, be they linear or nonlinear, in such a way that students with experimental data could analyse their data with appropriate statistical methods. Several so-called R-packages are well-suited to solve regression problems in Weed Science as well as for other analyses of toxicological data. In Figure 3 there is a selection of the most common linear and non-linear models encountered in the biological sciences.

The focus was on how to design and analyse mechanical weed control and dose-response data. These two areas require use of nonlinear regressions, the use of which need to be more sophisticated than the familiar linear models. The ultimate aim of the course was to dismantle the notion that statistics are difficult and require specialists. Several myths being perpetuated in weed science literature over the years were discussed, for example how to properly address the questions of numbers of replicates and how to understand the effect of the intensity of harrowing, how weed and/or crop densities are described and how to use dose response curves for herbicides.
One of the good side effects of the course is that a network of scientists and PhD students with knowledge of the potential of the programme R is being increased for the benefit of the participants and the EWRS at large. The course programme is presented in table 1.

![Figure 2. The participants in the workshop](image)

![Figure 3. In Weed Science there are few regressions functions to remember. The four mentioned here usually have biologically meaningful parameters.](image)
### Table 1. The Teaching plan

<table>
<thead>
<tr>
<th>Time</th>
<th>Headline</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 5&lt;sup&gt;th&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00</td>
<td>Welcome</td>
<td>Welcome Introduction of teacher and participants. Overview of short course. Why choose R?</td>
</tr>
<tr>
<td>14:15</td>
<td>Installation of R</td>
<td>Installation of R and packages</td>
</tr>
<tr>
<td>15:00</td>
<td>First steps in R</td>
<td>Reading data and getting help. The R language: basic structures and functions, graphics, add-on packages. Your first analyses.</td>
</tr>
<tr>
<td></td>
<td>Own data</td>
<td>Own data</td>
</tr>
<tr>
<td>16:00-18</td>
<td>Biological aspects</td>
<td>Graphics for data, linear and nonlinear models. Understanding the jargon of statistics. Your first analyses</td>
</tr>
<tr>
<td>November 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td></td>
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</tr>
<tr>
<td>8-12</td>
<td>Linear models</td>
<td>Linear models Analysis of variance Regression analysis</td>
</tr>
<tr>
<td>13-14</td>
<td>Linear versus</td>
<td>Are there fundamental differences between linear and nonlinear models? Introduction to non-linear models</td>
</tr>
<tr>
<td></td>
<td>nonlinear models</td>
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<tr>
<td>14-16</td>
<td>Non-linear models</td>
<td>Dose-response Competition models</td>
</tr>
<tr>
<td>16-18</td>
<td>Modelling aspects</td>
<td>Model assumptions, diagnostics, remedies for model violation.</td>
</tr>
<tr>
<td>November 7&lt;sup&gt;th&lt;/sup&gt;</td>
<td></td>
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</tr>
<tr>
<td>8-9</td>
<td>Regressions</td>
<td>Roundup of fitting models to various data sets and visualization of results.</td>
</tr>
<tr>
<td>9-12</td>
<td>Analysis of own</td>
<td>Participants use own data or hand-out data and carry out a complete analysis. Analyses will depend on participants’ interests and problems.</td>
</tr>
<tr>
<td></td>
<td>data</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Conclusion</td>
<td>Evaluation of the course</td>
</tr>
</tbody>
</table>

**EWRS Education and Training Workshop: How to Write a Paper for a Scientific Journal**

At the 15<sup>th</sup> EWRS Symposium July 12-15, 2010. Kaposvár, Hungary

**Instructors:** Jon Marshall, Editor-in-Chief Weed Research (Marshall Agroecology, UK) and Jens Carl Streibig, Faculty of Life Sciences, University of Copenhagen.

In the beautiful city of Kaposvár, Gabrielle Kazinczi and her colleagues who organised the latest EWRS Symposium gave the Workshop excellent working conditions within the University. The aim of the workshop, held during Sunday 11 July, was to encourage young scientists to improving the quality of their writing for submission to international journals. A total of 22 students enlisted and 20 participated from 14 countries. The teaching method invited students to actively participate in discussion of the presentations by the instructors.

Writing scientific papers improves the quality of thought and the quality of the science. The art of writing scientific papers and the difference between writing an article for a journal and writing reports and theses were emphasised. All scientists know it is hard to read and understand scientific literature and its difficulties are born out of the extreme complexity of scientific concepts, data and analysis and of its importance to the scientific process. But complexity of thoughts need not lead to impenetrability of expression. Writing in a second language brings particular challenges, especially when the culture of particular languages, in terms of descriptions and sentence structure, differ markedly from UK or US...
English. Nevertheless, there are techniques, publications and courses that can help, though experience is perhaps the best teacher.

We discussed various techniques of writing papers, for example should we write the paper before or after doing the research? How to begin the writing process and which journal to choose, based upon the research focus, were presented, along with the particular attributes of each section of a journal paper.

The flow of a paper through the editorial system of Weed Research was presented in detail, showing how the peer-review process works in practice. Details of how to best present results in tables and graphs were discussed, along with the importance of appropriate statistics. Also, how students should react to editorial decisions and reviewer comments were emphasised.

Students were encouraged to disseminate their own published or draft manuscripts among fellow students prior to and during the course. After a short presentation of a paper by the author, the manuscript was actively discussed and various suggestions among students and teachers were presented, in order to improve the final result.

Figure 1. Some of the students just after the end of a full day on the course. Well done! (Picture: Delphine Mézière)

REPORT OF THE MEETING OF THE EWRS WORKING GROUP HERBICIDE DOSE OPTIMISATION

Kaposvár, Hungary, 12 July 2010

By Per Kudsk; WG coordinator; per.kudsk@agrsci.dk

The meeting of the working group was attended by 12 persons. The purpose of the meeting was 1) to present the results of the joint experiment carried out in 2005/06 and 2007/08 and 2) to discuss the future activities of the working group.

Per Kudsk presented the results of the joint experiment. In total 30 experiments were carried out assessing the performance of Atlantis WG and Topik on perennial ryegrass in winter wheat. The majority of the experiments were carried out in Europe but the joint experiment also had participants from Brazil, China and Iran. Herbicides were applied by the producers Bayer CropSciences and Syngenta and the "weed" was supplied by Per Kudsk. Climatic conditions before, during and after application was recorded
and 4 weeks after treatment biomass was assessed. Later in season the number of heads were counted. The data will be analysed in more detail in the autumn and a publication in Weed Research is planned.

The remaining part of the meeting was spend on discussion the future activities of the working group. Participants agreed that it would probably be difficult to run another joint experiment considering the financial situation at most institutes. Organising a workshop in collaboration with Herbicide Resistance Group devoting time to address the issue on dose and risk of resistance. Per Kudsk suggested a reorientation of the group focussing on integrated weed management in arable crops rather then herbicide dose optimisation. Several participants found that was a good idea. It was decided that Per Kudsk should initiate an email exchange on ideas for future activities and a decision should then be made later this year.

During the meeting of the EWRS Board with the subsidised students 4 of students expressed interest in joining the working group.

**MEMBER CONTRIBUTIONS**

**EWRS SYMPOSIUM EXPERIENCED BY A YOUNG NEPALESE WEED RESEARCHER**

by Sushil Pandey; PhD student at Scuola Superiore Sant'Anna, Pisa, Italy; s.pandey@sssup.it

The long journey of 17 hours was definitely tiring but that was compensated by excitement to participate to the 15th Symposium of the European Weed Research Society (EWRS) in Kaposvár, Hungary from 11th to 15th July 2010. I got the opportunity to participate in a training session on “How to write a paper for a scientific journal” organized the day before the Symposium started (see page 7 of this Newsletter). This was really worthwhile for me and for the other young researchers who participated. The session gave an overview on how to arrange the content of scientific paper, data presentation style and submission process to the concerned journal, with special attention to Weed Research, the Journal managed by the EWRS. Most of the participants presented a draft paper and this was followed by a discussion aimed at provision of tips to improve the manuscripts. Some time was also dedicated to discuss the detail of individual’s work. I would like to thank Jon Marshall, Editor in Chief of Weed Research, and Jens Streibig, coordinator of the Education and Training Working Group for their effort and for organising this interesting session. I think that the continuation of this kind of events in future would be extremely useful to stimulate young researchers to publish their work.

The Symposium had over 250 participants not only from the various European countries, but also from USA, China, Iran, Egypt, Turkey several other countries. In the oral session of the Symposium different research results were presented highlighting aspects of weed management from various countries. This provided me with a broad insight of present achievements and future challenges in the areas of herbicide application, physical and cultural weed management, nature of invasive weeds, and spatial and temporal management of weed biodiversity in arable lands.

In one of the poster sessions I had the opportunity to present my own results to interested people and to discuss with them. My research focuses on the question how crop rotation diversification can be exploited to improve management of the weed flora in maize-based cropping systems. The Symposium gave me the opportunity to meet other weed scientists working on topics related to mine and that broadened my knowledge effectively. Associated with that, when best poster award was provided among the young researchers, this again showed how the EWRS provides opportunities to future weed scientist.

A visit to the Agricultural Research Institute of the Hungarian Academy of Sciences Martonvasar showed their research progress in crop breeding and protection. Further I was impressed with the availability of
such a great number of growth chambers to carry out large-scale research under controlled environment. Although I’m involved in cultural weed management on arable land, the visit to the railway track to observe a ‘weed control train’ control weeds along railway lines was equally impressive.

Apart from the scientific program this Symposium provided me a great time to meet people involved in different sectors of weed management and also provided a forum to share knowledge, ideas and opportunities. Moreover, I should not forget to mention the events such as Dinner on the Grill and Gala Dinner as a part of social events, provided taste of different types of Hungarian food to my tongue with music and typical dance.

Conclusively the program was fantastic to get to know both people and progress in weed management. Finally, thanks to the local organizers for providing accommodation in the University hostel, close to the Symposium venue and thanks to the EWRS for providing me the young researcher subsidies to present my poster and participate in the Symposium.

**Histology of Ambrosia artemisiifolia L.**

The histological topic of this issue is *Ambrosia artemisiifolia* L. The corresponding Bayer code AMBEL is derived from its former name *Ambrosia elatior* L. To make it quite clear: I am not going to preach to the converted. Ambrosia has been the topic of many Newsletters and I am not competing with Christian Bohren when it comes to information about this weed. He distributed web-pages with much information on the biology, distribution and control just recently: [www.ambrosia.ch](http://www.ambrosia.ch) and [http://xwww.agrsci.dk/ambrosia/outputs/guidelines.html](http://xwww.agrsci.dk/ambrosia/outputs/guidelines.html). For this reason, I will really concentrate on histology here. The first picture shows a section through a young stem of an Ambrosia plant.

Transverse section through stem of *Ambrosia artemisiifolia* L.; 40x, Etzold Blue; vascular bundles are arranged in a circle and connected by interfascicular cambium.

Enlarged view of transverse section through stem of *Ambrosia*, Toluidine Blue, 100x.

The pattern of primary xylem in young roots can vary from root to root within the same plant, it is either arranged in two, three, four or five rows of xylem elements forming ridges in a three-dimensional view.
Young root showing triarch pattern of primary xylem ridges and protoxylem poles; 400x, crystal violet

Another young root showing tetrarch arrangement of xylem and phloem; 100x, Methylene Blue. Note the deep red cells atop the phloem areas.

Pentarch xylem pattern of a young root in a slightly older stage with metaxylem filling the center and the gaps between the original ridges; 400x, Etzold Blue

Cells limiting the phloem in the endodermis area are deep red because of phenolic compounds in the vacuole. Between these cells there are resin canals as shown below (arrows).

Longitudinal (400x) and transverse (1000x) section through areas with resin canals (arrows).

Advanced root stages have a fully developed xylem core with vessels, tracheids and fibers. The phloem portion is limited by former endodermis cells which divide and elongate as
the root becomes thicker. The peripheral area is formed by the cortex.

Advanced root stage of *Ambrosia*. The central xylem core is stained red, phloem and cortex are blue. Etzold Blue, 40x

Stems of Ambrosia plants are usually covered by hairs.

Hairs can be very long. This one is uniseriate (methylene blue, 100x).

This unstained section on the last picture shows how densely arranged hairs are near the shoot tip.

As always, this is just a short selection of only a few aspects. More slides are available if requested. My next contribution will be devoted to *Apera spica-venti* (L.) P. Beauv.

Hansjörg Krähmer
Hansjoerg.Kraehmer@bayercropscience.com
‘Glyphosate Resistance in Crops and Weeds: History, Development, and Management’ is edited by Vijay K. Nandula. The book presents the latest technology and strategies for managing glyphosate-resistant weeds. Glyphosate-resistant (GR) crop technology has revolutionized crop production in many parts of the world, offering such benefits as reduced fuel costs and improved soil conservation; however, GR weeds are becoming one of the most pressing problems in crop protection, threatening the sustainability of glyphosate and GR crop technology. This book details the development of glyphosate resistance, offering interdisciplinary approaches for managing GR weeds and reducing their spread.

‘Glyphosate Resistance in Crops and Weeds’ features contributions from leading experts in the many disciplines needed to fully understand GR crops and weeds. The authors have reviewed and analyzed all the latest research findings as well as the latest technologies developed to manage GR crops and weeds. Coverage includes:

• Developmental processes of first and subsequent generations of GR crops
• Separate chapter on the economic impact of GR weeds
• Strategies for effectively managing glyphosate resistance
• Regional management issues surrounding GR weeds around the world
• Genetics and genomics of glyphosate resistance
• Methods of testing for glyphosate resistance

References guide readers to the primary literature for further investigation of individual topics. A compilation of commonly used terms in herbicide resistance and their definitions is also provided. With the productivity and health of croplands threatened around the world by GR weeds, this review of glyphosate resistance is essential for agricultural chemists, weed scientists, plant scientists, crop consultants, and agronomists.

The Weed's News

Dear Colleague,

You may be interested in subscribing to our free weed news service. The Weed's News is delivered to your email address on a weekly basis. If you would like to subscribe, simply send a message to david.low@dpi.vic.gov.au with 'subscribe' in the subject field. The Weed's News can also be read online at any time by visiting http://invasivespecies.org.au.

Dr David Low
Weed Sciences, BioSciences Research Division, Department of Primary Industries - Frankston
PO Box 48, Frankston VIC 3199, Australia
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3rd Conference on Precision Crop Protection

19-21 September 2010
Bonn, Germany

We cordially invite you to attend the 3rd Conference on Precision Crop Protection to be held in Bonn from 19 to 21 September 2010. The scientific conference will cover all major aspects of Precision Crop Protection. The program will include invited Keynote speakers, oral presentations and posters. Take this opportunity to gain an impression of the progress and future potential of this innovative and expanding field of agricultural science. We welcome you all to Bonn and we are looking forward to meeting you. The conference will cover all aspects of the site-specific and early detection and control of pests using modern and innovative technologies.

Conference fees
- Participants 120 €
- Students 60 €

(includes Welcome Reception, Conference Dinner, and Coffee Breaks). Limited financial support is available for young scientists actively participating in the conference.

Post-Conference Tour
It is intended to have a 1-day excursion on 22 September. Details are given in the Second Circular.

Accommodation
The Conference will be held at the G. Stresemann Institute Hotel in Bonn. The hotel is able to provide accommodation for all participants at a special package price which includes room, breakfast, lunch, and dinner. Cost of a single room is 90 € p.p./day. Reservations have to be made to the conference organizers. Deadline for hotel registration: 20 July 2010.

Venue
G. Stresemann Institute, Langer Grabenweg 68, D-53175 Bonn-Bad Godesberg
Tel. ++49 (0) 228 / 8107-0; Fax ++49 (0) 228 / 8107-197; http://www.gsi-bonn.de

Organising team
Dr. Erich-Christian Oerke; Mrs. Ingrid Sikora
Tel.: ++49 (0) 228 73 24 50; E-mail: ec-oerke@uni-bonn.de

For more information, the second circular (February 2010) and registration please visit the following website: www.precision-crop-protection.uni-bonn.de

21st COLUMA Conference; International Meeting on Weed Control

8-9 December 2010
Dijon, France

Special emphasis will be put upon current areas of interest: evolution in plant protection legislation and impact on weed control, biodiversity, present and future solutions to prevent pollution in air, soil and water, genetic resistance of cultivated plants. The session tropical and Mediterranean Crops will be organized in cooperation with the French-speaking Association for Plant Protection (AFIPP), and a special attention will be paid to the weed management in the concerned areas. More information can be found on the following website: http://www.afpp.net/calendrier.htm
"4th Workshop of the EWRS WG Weeds and Biodiversity"

Dijon, France
28 February - 2 March 2011

The 4th meeting of the Working Group ‘Weeds and biodiversity’ will be held in Dijon, France, 28 February to 2 March 2011.

Aim
The aim of the meeting is to present the state of the art on current research, evaluation and preparation of agro-environmental measures with regard to the services provided by biodiversity in the agro-ecosystems and their conservation. The purpose is to exchange results, experience, information, establish networks, and stimulate discussion.

Two introductory lectures on sampling strategies and economic aspects will open the discussion. We invite you to propose topics for round tables (such as landscape scale analysis, functional biodiversity and database, seed predation etc). Oral and poster sessions will be organized on round tables topics as well as on cropping systems, bio-indicators, management and any other themes related to weeds and biodiversity.

Venue
The Workshop meeting will take place at AgroSupDijon (College of Agronomy, on the campus of the University of Burgundy). Dijon is easy to reach, less than 2 hours by train from Paris and Lyon. Some low-cost airline companies land at Dijon-Longvy airport.

The meeting will start tentatively with lunch on Monday and finish after lunch on Wednesday. The estimated cost of registration will be 100 € for EWRS members, 130 € for non-members, and 50 € for students. The registration fee will cover the costs for the proceedings, three lunches, and coffee breaks. A meeting dinner will be organized including a wine tasting session. A limited number of low cost rooms in a student residence will be available on the campus. A list of hotels will be included in the 2nd circular.

Important dates and deadlines
• Any time: expression of interest by sending an e-mail to Henri Darmency (henri.darmency@dijon.inra.fr)
• Mid-September 2010: 2nd circular, pre-registration and provisional abstracts submission online
• Mid-December 2010: deadline for payment of workshop fee and submission of final abstracts online

Please go online at: http://www.ewrs.org/biodiversity to keep up to date and view the circulars and more detailed information concerning the Workshop.

We look forward to receiving your contributions and hope you will be able to join us in Dijon!

Local organizers: Bruno Chauvel, Henri Darmency, Fabrice Dessaint, Sabrina Gaba, Sandrine Petit.
EWRS working group: Bärbel Gerowitt, Paolo Bàrberi, Paula Westerman

"9th Workshop of the EWRS Working Group Physical and Cultural Weed Control"

28-30 March 2011
Samsun, Turkey

As announced in the previous Newsletters (no. 109 and 110), we will have the 9th workshop in March 2011 in Samsun, Turkey. The dates have now been determined and the event will take place from Monday the 28th of March to Wednesday the 30th of March, 2011. As usual, we will arrange a welcome
drink on Sunday evening (the 27th of March). Hüsrev Mennan from Ondokuz Mayis University in Samsun has kindly offered to host the workshop. Samsun is located at the Black Sea, approximately midway between the western and eastern borderers of Turkey.

Hüsrev Mennan, Daniel Cloutier and I have produced a first circular with more details on the programme, submission of abstracts, accommodations, the venue etc. The circular can be uploaded from the working group’s web site: http://www.ewrs.org/pwc/. If you have problems in doing so, you can contact either Hüsrev Mennan (hmennan@omu.edu.tr) or me (bo.melander@agrsci.dk) and we will e-mail you the circular.

Bo Melander

11TH WORLD CONGRESS ON PARASITIC PLANTS

7-12 June 2011
Martina Franca, Italy

We are pleased to invite you to the 11th World Congress on Parasitic Plants, that will be held from 7 to 12 June 2011 in Martina Franca, Italy. The Congress continues a long tradition of regularly assembling the world’s experts on parasitic plants for professional and scientific meetings, which started in 1973 with the first international meeting in Malta.

Dates and location
The Congress will be held from in Martina Franca, a very nice small town located in South Italy, around 70 Km from Bari, in the heart of the Itria Valley, famous worldwide for the Trulli, the typical buildings recognized as World Heritage by UNESCO. The Congress will be held at the Park Hotel San Michele, an historic and fascinating hotel surrounded by a nice garden, located very close to the old city.

Topics
Contribution and participation from researchers on any weedy and non-weedy parasitic plants is encouraged. The program will consist of oral presentations and posters. Oral presentations will be invited or selected from submitted preliminary abstracts. Topics will include but are not limited to the following:

- Evolution and phylogeny of parasitic plants
- Parasite biochemistry and physiology (including molecular biology)
- Floral biology
- Ecology and population biology of parasitic species
- Host parasite communication (including germination stimulation, haustorial induction, etc.)
- Host and non-host response to parasitism
- Parasitic weed management
- Regulation and phytosanitation
- Parasitic plant genomics
- Geographical Information System (GIS) and modelling in parasitic weeds
- Crop resistance to parasitic weeds and crop breeding
- Any other aspects, descriptions, approaches and ideas related to parasitic plants

Symposia
The Scientific Committee encourages congress participants to propose topics for special symposia that will be held during the congress. The proposed topics should be considered as the "state of art" in any field of parasitic plants research. Proposals including title, abstract (limited to 100 words) and a list of (4-6) invited speakers should be sent to the Scientific Chair (eizenber@agri.gov.il) before November 1st, 2010.
Registration
The registration fee will be kept as low as possible, and in line with the previous World Congresses on Parasitic Plants. The local organizers will assure the success of the congress by organizing high quality accommodation, food and services for attendees and accompanying persons. The registration fee will include access to the conference sessions and exhibition, accommodation in single, double or triple rooms for 4 days, full-board service including breakfasts, lunches and dinners, mid session refreshments gala dinner, half-day field/tourist excursion, transportation from the Bari airport to the venue and return delegate pack, one copy of the proceedings.

Information
Information can be found at the official Website of the Congress at: http://ipps2011.ba.cnr.it
Please visit it regularly, or pre-register to receive updates on all the news about the Congress. Further information can be obtained from the local organizer, Maurizio Vurro (Institute of Sciences of Food Productions, National Research Council, Bari, Italy; e-mail: maurizio.vurro@ispa.cnr.it). Any information about accommodation, tours, location, etc. can be required to the following email address: ipps2011@area.ba.cnr.it.

Deadlines
- September 30th 2010 - Pre-registration - expression of interest
- March 1st 2011 - Abstract titles submission
- April 1st 2011 - Early registration
- April 15th 2011 - Abstracts to be considered for oral presentation
- May 1st 2011 - Abstract submission
- May 27th 2011 – Registration

3rd Symposium on Environmental Weeds and Invasive Plants
2-7 October 2011
Ascona (Ticino), Switzerland

Central themes of the Symposium will be: Mapping, Early Detection, Public Relation, Funding, Control Methods. For more information on this event, please contact Christian.bohren@acw.admin.ch

Association of Applied Biologists conferences
The following list of conferences is among the ones proposed by the Association of Applied Biologists:

7-9 September 2010
Delivering Food Security with Supply Chain Led Innovations: understanding supply chains, providing food security, delivering choice at: Royal Holloway, Egham, London, UK

17 November 2010
Advances in Biological Control at: The Olde Barn Hotel, Marston, Lincs

25 November 2010
Innovative ideas in pest and weed control in field vegetables at: Rothamsted Research, Harpenden, UK

7-8 December 2010
What makes an alien invasive? Risk and policy responses at: The George Hotel, Edinburgh

More information can be found on the following website:
www.aab.org.uk/contentok.php?id=184&basket=wwsshowconflist
UPCOMING CONFERENCES AND WORKSHOPS

3rd CONFERENCE ON PRECISION CROP PROTECTION
19-21 September 2010
Bonn, Germany
www.precision-crop-protection.uni-bonn.de

21st COLUMA CONFERENCE; INTERNATIONAL MEETING ON WEED CONTROL
8-9 December 2010
Dijon, France
http://www.afpp.net/calendrier.htm

4th WORKSHOP OF THE EWRS WORKING GROUP WEEDS AND BIODIVERSITY
28 February -2 March 2011
Dijon, France
http://www.ewrs.org/biodiversity; henri.darmency@dijon.inra.fr

9th WORKSHOP OF THE EWRS WORKING GROUP PHYSICAL AND CULTURAL WEED CONTROL
28–30 March 2011
Samsun, Turkey
bo.melander@agrsci.dk

11th WORLD CONGRESS ON PARASITIC PLANTS
7-12 June 2011
Martina Franca, Italy
ipps2011@area.ba.cnr.it; http://ipps2011.ba.cnr.it

3rd SYMPOSIUM ON ENVIRONMENTAL WEEDS AND INVASIVE PLANTS
2-7 October 2011
Ascona (Ticino), Switzerland
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Editorial

Instructions for Contributors

Deadline for contributions to be published in the following Newsletter issue:
1 October 2010

Photographic images
It is possible to include photographic material. Photographs can be processed and scanned. Pictures can be sent as negatives, positives (slides with and without frames) and as original pictures. The easiest to handle are digital pictures, which can be reproduced of a higher quality within the Newsletter. Please make sure that these images are taken at no less than 300 dpi otherwise the picture quality drops.

Questions
If you have any problems in writing or formatting your article, please do not hesitate to contact me. I’ll be happy to assist you. As Technical Editor of the Newsletter, I prepare the final layout of the Newsletter prior to publishing. You can contact me by sending an E-mail to newsletter@ewrs.org / moonen@sssup.it or by calling me at +39 050 883567. I’m looking forward to receiving your contributions.

Camilla Moonen.

Charges for Advertising Material in the Newsletter

Advertisements in the Newsletter
The rate for an advertisement in all four editions of a year is € 400,00 / year / page. Reductions can be negotiated with the Newsletter editor for half page adverts. Maximum 4 pages of adverts in each issue.

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Weed control demonstration in Martonvásár Research Institute during the field trip organised during the 15th EWRS Symposium, Kaposvár, Hungary (picture: Lajos Cziffra)
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Opening session 15th EWRS Symposium, Kaposvár, Hungary. From left to right: Paolo Bârberi, Melinda Kovacs, Hansjörg Krähmer, Peter Horn, Josef Soukup, Ben Post, Andrej Simončič (picture: Lajos Cziffra)