



Bulletin

International association for landscape ecology

NEW ELECTRONIC SERIES FOR LANDSCAPE ECOLOGY

By Gray Marriam and John Middleton

We propose that the IALE sponsor a new, electronic, series for the transfer of information about Landscape Ecology and its applications. This would be a supplement to its conventional book publication series with Chapman & Hall, not a substitute for it.

We further propose that the series be launched with a volume on applications of Landscape Ecology in Latin America, to be edited by Eduardo Salinas Chávez (University of Havana, Cuba) and John Middleton (Brock University, Canada). This volume could be released electronically in the first half of 1996.

RATIONALE

Electronic communication is rapidly becoming an everyday reality. It offers many advantages over conventional printing on paper, although it is far from being a substitute.

Two of the barriers to electronic publishing are how to protect copyright and how to collect money. In this case, both are easily dealt with: allow (even encourage) wide distribution, and forego payment (except perhaps for expenses, e.g., to mail a disc if no other route is available). In other words, this is intended to be a non-profit venture of the IALE.

The IALE membership list shows members from many countries, but in almost every case only a small handful per country. Even if each one bought a copy of a print book, the impact would be small. Even a moderately priced book in print (\$50 for example) represents a non-trivial barrier in most parts of the world. The problem is even greater where hard currency is not easily available. Although some universities and research institutions have central libraries others do not. Faculty-based collections may be widely dispersed across a city, with

Continues p.2.....

IALE 1990-95: A SHORT REPORT FROM THE SECRETARY GENERAL

The Toulouse meeting is approaching, and it is time for a 5 year balance of the IALE activity. The time has really flown, but in this period our association has grown and consolidated thanks to the contributions of officers and members.

We have correspondents or members from over 48 countries.

The first issue of the IALE series of landscape ecology has been issued. The IALE bulletin has stabilized and is now distributed 6 times per year in cooperation with our associated journal, Landscape Ecology.

IALE members annually receive a directory that greatly improves the circulation of landscape ecology ideas. The atmosphere of complete collaboration has encouraged and supported us to maintain the right way. New branches have been added including Japan, the UK and Canada. These branches are very active and their regular meetings are now a real success.

The growing interest of ecologists and practitioners in landscape ecological principles and methods is encouraging us to maintain this attention.

This is also the time to thank all of you for your collaboration, and to express the hope to meet again in Toulouse.

Almo Farina

NEXT DEADLINE

September 1st!!

no central cataloguing. Accessibility to a information is thus more complex than arranging one copy per institution.

Clearly some other distribution system is needed. An electronic publication is particularly appropriate for improving two-way communication between north and south, especially if multiple formats are used (GOPHER text, WWW homepage, e-mail on request, disc by regular mail, etc.). To use a single example, a WWW homepage in Argentina (in Spanish, primarily for Argentineans at home or abroad) shows that almost 900 users have logged on to it between April 3 and May 18. Each access required a full ethernet (or similar) connection, more than adequate for downloading book chapters, or reading them online, with full colour and graphics.

Providing information in more than one language is easier in electronic than print form (although the difficulty and expense of providing the original translation is not eased). Availability in a language other than English is a major step towards wide distribution of ideas. Multiple-language communication also works against inbuilt north-south asymmetries of power ("publish in English or perish"). For application of ideas (not just academic discussion), English-language texts are particularly weak, since technical English is uncommon outside universities in many countries.

It is inevitable that the IALE and all its members will need to master electronic communication within a very few years. There are great advantages in moving to practical applications now, rather than waiting for others to lead the way.

TECHNICAL FEASIBILITY

The technology is well within reach. Almost anyone who might be interested in a book on landscape ecology has easy access to a PC, no matter where they are in the world. This includes university researchers, graduate students, municipal planners, other decision makers in government, NGOs, and journalists.

In July 1994 (a long time ago), over 150 countries had

some kind of direct access to international computer networks, including e-mail. In addition, any computer with a modem allows access to the network via another country. For example, the Association for Progressive Computing provides indirect modem-based links for countries (or rather NGOs and individuals within countries) who are otherwise not on-line. Most Latin American countries already have national-level GOPHER servers. Each national level server has direct internet links to various national universities and government agencies. Some of these are already quite elaborate. In addition, many countries and universities have or are developing WWW homepages. Universities, offices, countries, etc. that do not already have electronic network connections will be striving to get them soon.

In the worst case, an electronic volume can be distributed by sending discs by ordinary mail. Assuming there are contributing authors in many countries, there is also a ready-made distribution network, avoiding the necessity for international mail in at least some cases. Discs are lighter than paper, so mailing costs will usually be less than for a conventional book. Reproduction costs for a disc are negligible.

Soon lack of access to INTERNET will be a serious handicap, a technological gap in the classic sense. An electronic book with third world authors and readers will be an incentive and aid to improve access sooner rather than later (a type of technology transfer), without sacrifice of peer-evaluation standards.

Proposal for the first publication:

LANDSCAPE ECOLOGY AS A TOOL FOR SUSTAINABLE DEVELOPMENT IN LATIN AMERICA

edited by Eduardo Salinas Chávez, Universidad de Habana, CUBA and John Middleton, Brock University, CANADA

Landscape ecology is a scientific framework for studying human impacts on ecosystems. It concentrates on the spatial and temporal scales that planners and

Continues p.3.....

The IALE BULLETIN is distributed 6 times a year to the members of IALE. IALE - International Association for Landscape ecology - was founded in 1982 to promote communication between scientists and planners and interdisciplinary scientific research. IALE Bulletin Editor : Jesper Brandt, Inst. Geography & International development studies, Roskilde University, P.O.Box 260, DK-4000 Roskilde, Denmark, Phone: +46 75 77 11 ext. 2463, Fax: +46 75 4240 E-mail: brandt@ruc.dk. Lay-out Erling Andersen. IALE executive committee: President Henri Decamps (France), Past-president Gray Merriam (Canada), Vice-presidents: Joan Iverson Nassauer (USA), Eduardo R. Fuentes (Chile), Paul F.M. Opdam (Netherlands), Vaclav Mejstrik (Czech Republic) General Secretary Almo Farina (Italy), Lunigiana Museum of Natural History, 54001 Aulla, Italy Phone: +187 40 02 52, Fax: +187 420727. Deputy General Secretary & Bulletin editor Jesper Brandt (Denmark), Treasurer: James F. Thorne (USA) The nature Conservancy, Pennsylvania Chapter, 1211 Chestnut Street, 12th floor, Philadelphia, PA 19107-4122, Phone: 215-963-1400

Deadline Bulletin Volume 13.5: 1st September 1995

managers need to know about. It is an interdisciplinary approach that encourages natural scientists, social scientists and other professionals to escape their disciplinary walls and to work with each other on complex real-world problems of direct human significance.

Landscape ecology ought to be an important tool for sustainable development. In some parts of the world it is an active area of research with many exciting applications. Unfortunately, in many countries, it is largely unused.

The aim of this electronic publication is to show, using examples from a variety of Latin American countries, that landscape ecology can be a valuable tool for practical problems of sustainable development in all parts of the world. The case studies all include clear statements on the issues of spatial and temporal scale, interdisciplinary perspective, and the practical linkages between theory and application. The cases use a consistent framework, to encourage comparisons from one to another. The volume ends with a critical summary and analysis of successes, failures, and opportunities for using Landscape Ecology as a tool for sustainable development in the Third World.

This publication will be distributed electronically through a variety of channels, including Internet (GOPHER and WWW formats), e-mail, and computer discs via conventional mail. The information will be distributed free of charge, with charges only for incidental expenses (such as postage) if necessary.

Gray Merriam and John Middleton

The full proposal, which also contains a list of accessible sources of information and support for electronic publication, as well as a detailed description of the content of the specific proposal on landscape ecology as a tool for sustainable development in Latin America, will be discussed at the meeting of the executive committee in Toulouse in the end of August.

US-IALE FOREIGN TRAVELING SCHOLAR AWARD

Each year the US-IALE offers an award to a foreign participant attending the U.S. symposium. The award is based on the quality of the abstract submitted to the meeting and the author's need for support to attend the meetings. Preference is given to participants from developing countries, particularly in the Americas. The award comes with a cash prize of up to US\$800 for travel to the Eleventh Annual US Landscape Ecology Symposium, "Integration of Cultural and Natural Ecosystems Across Landscapes: Application of the Science", to be held in Galveston, Texas, 26-30 March, 1996. The successful applicant will be informed by January 7, 1996.

Abstracts must be submitted by 1 December 1995, in ASCII format (on disk or by e-mail) and 3 hard copies to Dr. Jeffrey M. Klopatek, Department of Botany, Arizona State University, Tempe, Arizona, 85287-1601, USA (Klopatek@asu.edu +602-965-4685; Fax: +602-965-6899). To be considered for the award, a candidate must send a copy of a submitted abstract and a statement of need to Dr. Joseph E. Means, Pacific Northwest Forest Research Station, 3200 Jefferson Way, Corvallis, Oregon 97331, USA (Means@fsl.orst.edu +1503-750-7351; Fax: +1503-750-7329).

LANDSCAPE ECOLOGY IN COLOMBIA

by Andres Etter

For the time being only 5 people are formally registered at IALE-Colombia, mostly from universities, but interest is rapidly growing. The concepts are used more every day in Land Resource Surveys and Land Use Planning. At the Institute for Environmental Studies of the Javeriana University, courses in Landscape Ecology in the undergraduate (Biology) and MSc programs are now regularly offered. Different research projects concerning Land Use Planning in the Andes and Caribbean regions, Andean forest conservation and National Parks management plans in the Amazon have also been implementing Landscape Ecological concepts and methodologies.

Through these projects several departments of local government and institutions have been involved with the subject and are starting to make applications. The framework is also being applied in the context of Participative Land Use Planning Processes, showing interesting results.

The National Geographic Institute is also beginning to implement Landscape Ecological concepts in spatial planning and GIS Databases of the Tropical Forestry Action Plan (Project SIG-PAFC).

A First Colombian Symposium/Seminar on Landscape Ecological Theory and Applications is being planned for next year (March- April), to be held at the Institute of Environmental Studies for Development at the Javeriana University in Bogota. The general aims will be to bring together people interested in the subject, and make a balance of the frameworks and experiences concerning integrated spatial analysis and its applications in ecological research and Land Use Planning. Further details will be forwarded as soon as a program is defined.

REGIONAL CONTACTS OF IALE:

A. Representatives of formalized regional organizations:

Canada: Jean Falardeau, Min. de l'Environnement et de la Faune, 2360, Chemin Sainte-Foy, Boîte 21, Sainte-Foy (Québec) G1V 4H2

Denmark: J. Brandt, Roskilde Univ., House 19.2., Box 260, DK-4000 Roskilde

Italy: Almo Farina, Lab. di Ecologia del Paesaggio, c/o Museo di storia Natural della Lunigiani, Fortezza della Brunella, I-54011 Aulla (MS)

Japan: Nobukazu Nakagoshi, Hiroshima Univ., Dept. of Enviro. Stud., Higashi-senda, Naka-ku, Hiroshima 730

Poland: Andrzej Richling, Inst. of Geography and regional studies, Univ. of Warsaw, ul. Krakowskie Przedmiescie 30, P-00-927 Warszawa

United Kingdom: R.G.H. Bunce, I.T.E., Merlewood Research Station, Granges over sands, LA 11 6JU Cumbria

United States of America: Monica G. Turner, Dep. of Zoology, Birge Hall, Univ. of Wisconsin, Madison, W153706

B. Other regional contact persons:

Australia. G.W. Arnold CSIRO Division of Wildlife and Rangel and Reserves P.O. Midland 6056 **Belgium** Hubert Gulinck Univ. of Leuven Fac. of Agric. Science Dept. of Land and Forest Man. B-3030 Leuven **Bulgaria** Jekaterina Pavlova Naucnyi centr po ochrane prirodnej sredy i vodnych resursov ul. Industrialna 7 Sofia **Chile** E.R. Fuentes Fac. de Ciencias Biologicas Univ. Catolica de Chile Casilla 114-D Santiago **China** Xiao Duning Inst. of Applied Ecology Acad. Sinica P.O.Box 417 Shenyang **Columbia** A. Etter, IDEADE, Univ. Javeriana, Cl.40 nr 6-23, Piso 8, Santa Fe de Bogota **Czech Republic** Jana Jalerlova, ILE-CAS, Porici 3b, 60300 Brno **Germany** K.-F. Schreiber Inst. für Geographie Westphälische Wilhelms-univ. Robert Kochsstrasse 26 D-48149 Münster **Finland** Osmo Kontturi Finnish IALE P.O.B. 381 SF-80101 Joensuu **Estonia** Ülo Mander Dept. of Physical Geography Univ. of Tartu.202400 Tartu **France** Françoise Burel Muséum national d'histoire nat. Lab. d'évolution des systèmes Avenue du Général Leclerc 35042 Rennes Cédex **Guatemala** L. Alegria Rubio c/o Hesse, 15 Ave. 'A' 19-25 zona 13 Guatamala City **Hungary** P. Csorba Geographical Inst. Lajos Kossuth Univ. H-4010 Debrecen **India** Majid Husain Dep. of Geography Jamia Millia Islamia New Delhi - 110025 **Ireland** Grace o'Donovan Plant Science dpt. Univ. College Cork **Israel** Maxim Shoshany Bar-Ilan Univ. 52900 Ramat-Gan **Latvia** A. Krauklis Latvijas Universitate Raina bulv. 19 226098 Riga **The Netherlands** Jolanda Rensen WLO-secretariat P.O.Box 9201 NL-6800 HB Arnhem **Nigeria** J.O. Adejwon Dept. of Geography Univ. of Ife-Ife **Peru** C.Z. Jimeno Of. Nac.d.Evaluacion d.Rec.Nat. Calle Diecisiete 355 Urb.El Palomar - San Isidro, Ap.4992 Lima **Slovak Republic** Milan Ruzicka, Inst. of landscape Ecology Slovak Acad. of Sciences P.O.B. 254, 81499 Bratislava **Sweden** Per Angelstam Forskningsstationen Grimsö Statens Naturvårdsverk S-770 31 Ridderhyttan **Switzerland** Felix Kienast Swiss Federal Inst. of forest research CH 8903 Birmensdorf **Thailand** Parida Kunepong Dept. of Land Development Bankhen Bangkok 10900 **CIS** N. Lebedeva, Inst. Geografii, Staromonetnyi 29 Moscow 109017 **Vietnam** Tran Van Y Inst. of Geography and Natural Resources NCSR of Vietnam Nghia do Tu liem Hanoi

DIARY

• Toulouse, France 27-31 August 1995
IALE Congress 1995: The future of our landscapes. Contact: Henri Decamps, Centre d'Ecologie CNRS, 29 rue Jeanne Marvig, 31055 Toulouse Cédex, France. Fax: +33 62269999

• Ljubljana, Slovenia 10-16 September 1995
Workshop on Methods of Landscape Ecological Analysis. Contact: Prof. Bostjan Anko, University og Ljubljana, Vecna Pot 83, 61111 Ljubljana, Slovenia, Phone: +386 61 123 11 61

• The Hague, The Netherlands 17-21 September 1995
Habitat fragmentation & infrastructure. Contact: Congress office ASD, P.O.Box 40, 2600 AA Delft, the Netherlands. Tel: +31 15 120234, Fax: +3115 120250

• Reading, UK 19-20 September 1995
The theme will be: Landscape ecology - Theory and Application. Contact: Dr. G.H. Griffiths, Dept. of Geography, University of Reading, Whiteknights, Reading RG6 2AB, UK. Tel. 44-01734-318733 Fax 44-01734-755865.

• Beijing, China 19-21 September 1995
International symposium on Biodiversity in Agriculture. Contact: Sandra Bukkens, Istituto Nazionale della Nutrizione, Via Ardeatina, 546 00178 Rome, Italy. Fax: 39-6-51957031 Phone: 39-6-5032421

• Zurich, Switzerland 25-26 September 1995
International symposium: Conservation biology and landscape ecology: The scientific basis of a national bi-

odiversity conservation strategy. Contact: Werner Suter, Swiss Federal Institute of Technology, Zürcherstrasse 111, 8903 Switzerland, Phone: +41 1-632 31 88

• Jerusalem, Israel 30 June - 4 July 1996
6th International Conference on Preservation of Our World in the Wake of Change. Contact: Yosef Steinberger, Dept. of life Sciences, Bar-Ilan University, Ramat-Gan 52900 Israel. Phone: (972-3) 5318571 Fax: (972-3) 771088

• Copenhagen, Denmark 19-23 August 1996
10th international symposium on ecological modelling Contact: S.N.Nielsen, Royal Danish school of Pharmacy, DK-2100 Copenhagen Ø Phone: +45 35270850 ext. 455. WWW-server: <http://info.dfh.dk/ECOSUM96>.