

Editorial

Last year was another successful year for IALE(UK). We had an excellent Conference, complete with very professional proceedings available for delegates before the meeting. There were murmurings however that IALE(UK) is becoming too biased towards ecology and that meetings are too narrow and maybe of less appeal to practitioners.

To some extent this might be the case and we should be concerned. After all, what's the point of sitting in our ivory towers if no one is going to implement our ideas in the 'real' world?

Workshops have been suggested and I would wholeheartedly recommend that if anyone is interested in organising a special meeting to contact a Committee member to discuss their ideas.

I also have concerns about how much landscape ecology is getting into planning education. Rob Jongman in the The Netherlands is currently organising a survey of academic courses available in landscape ecology. It would be of great value to know just how much (if at all) landscape ecology has penetrated the curricula of landscape planning courses in the UK. Perhaps landscape ecology needs to embrace planning more - at least until planning embraces landscape ecology.

Duncan McCollin
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News Items

Land Resources of the Russian Federation

The Federal Cadastral Centre "Zemlja", Russia, is preparing the statistical yearbook "Land Resources of Russian Federation, 2000" and would like to bring it to your attention in both Russian and English languages.

The book consists of public land statistics over the whole territory of Russia for each region. This is data on land acreages differentiated in use (agricultural, industrial, settlements, forests and others), type of tenure, major agricultural enterprises and individuals. The data is built up in the form of tables; some of them are reflected in figures and maps. The main definitions and explanations are also included in short text comments. The purpose of the edition is to give an idea to the international scientists, students, investors, businessmen, etc., whose specialization has a relation to land resources, of the real situation in this field in Russia. The reliability of the data is guaranteed by the State. The National Report on 'Condition and Use of Land in the Russian Federation, 2000' for the Government was prepared on the basis of the data. It is also possible to send the book in a computerized form.

If you like to acquire the book, please, let us know about it. Our contact person in Moscow, Russia, is:

Svetlana Nikonova
E-mail: dat@fccland.ru .
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Land Cover Map 2000

Land Cover Map 2000 (LCM2000) was launched on 31st October 2001 in London, as part of a 'Mapping the Countryside' event held by the Department for Environment, Food & Rural Affairs (DEFRA). LCM2000 comprises a complete census of land cover for GB using Earth observation *via* satellite imagery collected in the same season as the CS2000 field survey.

For further details see:

<http://www.ceh.ac.uk/data/lcm/LCM2000.shtm>

Landscape Europe

Rob Jongman has sent a position paper on LANDSCAPE EUROPE - a new international network organisation for co-ordinated research, policy support,

data management and academic education and in the area of landscape. It is not confidential and can be circulated. Anyone interested in seeing it should contact the editor or:

Dr Rob Jongman
Secretaris Kenniseenheid Groene Ruimte
Secretary Environmental Sciences Expertise Group
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Postgraduate Section

One of the aims of IALE (UK) is to provide a forum in which researchers and practitioners in landscape ecology can discuss ideas and make contact with people who have similar interests. Within the post-graduate community we have the opportunity to develop and test new ideas, yet can be hindered by our isolation from fellow landscape ecologists and the time lag between research being conducted and published. The aim of a post-graduate section to IALE (UK) is to provide an opportunity for us to informally discuss, question, answer and support each other during our work in the multidisciplinary aspects of landscape ecology.

A post-graduate section will be included in the newsletter, and a post-graduate page on the IALE (UK) website is currently being developed. Within the web pages I hope to include a list of post-graduate members with a brief summary of their research interests. I hope this will encourage communication between people and start a network of support amongst ourselves. In addition, I think it could be useful to set up a discussion group or bulletin board via the newsletter and ultimately on the website. This could address new developments and ideas, and be a place where we could get help on specific problems. My next step is to compile a circulation list of post-graduates so if you want to be included please could you send me brief details of your work and your email address.

My own work aims to compare the quality of different field boundary habitats in lowland arable landscapes to support beneficial invertebrates. I am based at the University of Plymouth at Seale-Hayne and am currently writing up my thesis. Much of my investigations have focused on species assemblages and their associations with different field boundary habitats. I want to use this information to assess how the representation of these habitats at the farm scale will influence biodiversity and contribute to its conservation. One of the

key problems I encountered, which is a frequent difficulty in field ecology, was to design experiments to isolate those variables I wished to quantify from the complex web of interacting factors in the landscape. Experimental designs were eventually decided upon but I feel that greater communication with fellow post-graduates in landscape ecology could have enabled me to avoid some of my mistakes.

Whether this section works depends largely on your response so please contact me at: gjgriffiths@plymouth.ac.uk

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Newton Abbot
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IALE (UK) Annual Conference 2001
Hedgerows of the World : their ecological functions in different landscapes
University of Birmingham, September 2001

The Tenth Annual Meeting of UK IALE was held at the University of Birmingham between September 5-8th. In common with other IALE (UK) meetings the programme was wide-ranging and attracted a truly international audience. After the introduction and welcome by Colin Barr (Centre for Ecology & Hydrology, Cumbria, UK) who, with Sandrine Petit (CEH), had organised the conference, the two keynote speakers set the scene for the rest of the conference. Jacques Baudry (Institut National de la Recherche Agronomique, Rennes, France) and Bob Bunce (Alterra, The Netherlands) gave an interesting overview of the landscape ecology of hedges, followed by Duncan McCollin (University College Northampton, UK) who talked specifically about hedgerow research in the UK.

The following session on the *Definition and Character of Hedgerows* made the point that hedgerows, despite what we would like to believe, are not a purely British phenomenon. There were presentations from Canada (Celine Boutin, National Wildlife Research Centre), cross-cultural comparisons between Canada and Britain (Sue Oreszczyn, Open University, UK), the importance of hedgerows for landscape character (Eunice Simmons, Wye College, UK) and a detailed description of multifunctional landscapes in Norway (Gary Fry, Norwegian Institute for Nature Research).

An evening excursion by narrow boat was notable for the complete absence of

hedgerows - it was dark and raining without! Nevertheless things brightened up when we eventually docked at Gas Street Basin - beer onshore was considerably cheaper than offshore!

Thursday saw the conference move into a long and interesting session on *The Value of Hedgerows for Wildlife*. Presentations by Maurizio Paoletti, (Padova University, Italy), Simon Smart (CEH, Cumbria, UK) and Ingrid Sarlöv Herlin (Department of Landscape Planning, Alnarp, Sweden) emphasised the corridor, refuge and dispersal roles of hedgerows for plants. This session was completed with three papers from Jeff Holland (Carleton University, Canada), John Holland (Game Conservancy, UK) and Don Chamberlain (British Trust for Ornithology, UK) on the importance of hedgerows for insects and birds.

After lunch on Thursday Andrew Bennett (Deakin University, Australia) gave a fascinating insight into the conservation of remnant roadside vegetation in Australia. These remnant strips of the former natural vegetation are analogous to hedgerow networks in Europe and their biodiversity potential is increasingly being recognized. John Dover (Staffordshire University) completed the day with an impassioned talk on the value of often neglected Green Lanes for biodiversity. He proposed a typology of Green Lanes: when is a Green Lane not a Green Lane? When you can (or cannot?) drive John's Vauxhall Nova along it!

After tea it was the time of participants to contribute in a series of workshops on hedgerow policy and legislation in the UK. My session was wide-ranging with many significant and in-depth insights into the whole area of biodiversity conservation in the UK and abroad.

Colin Barr had certainly done his homework, managing to invite Roy Moxham, author of the Great Hedge of India, to talk about his exploits. This was a great treat and a real cliff (hedge?) hanger - would he find it or wouldn't he? In fact, the beauty of the talk was that it simply didn't matter - this was as much an adventure of self-discovery as a story in itself. The final day was another full programme on *Hedgerow, Management and Processes*, with a talk by Valérie Viaud (INRA, Rennes, France) on the influence of hedgerow systems on water and pollution fluxes. This was followed by papers from work in Denmark, Portugal and the UK on the botanical conservation value of hedges. K. Tybirk (National Environmental Research Institute, Denmark) talked about the botanical conservation value of hedgerows, Jon Marshall (Marshall Agroecology, Bristol, UK) talked about treatments to restore the diversity of herbaceous flora and a Catherine Bickmore (Catherine Bickmore Associates, London, UK) took a historical look at the function of hedgerows. The session finished with a paper by Mike Hayes (Institute of Grassland & Environmental

Research, Aberystwyth, Wales) on the restoration of Welsh hedgerows.

The closing remarks by Bob Bunce and Colin Barr captured the focus of the conference – this had been an interesting, enjoyable and rewarding conference on biodiversity in the wider countryside and the importance of linear features in maintaining and restoring that biodiversity. The conference also contained an excellent set of posters on the hedgerow theme.

We had seen lots of pictures of hedges but not much in the way of real hedges. Saturday saw a party of 27 remaining delegates on an excursion to Belbroughton, Worcestershire for a walk through the ancient, hedged landscape of this delightful village. Delegates were horrified to learn that many of these hedges, many ancient, had been threatened with rapid extinction by the proposal to build the West Midlands Orbital motorway. After a pub lunch at the nearby Village of Chaddesley Corbett, we finished the day with a coach tour west to Stourport-on-Severn and Great Witley, returning to tea and scones next to the River Seven at Bewdley in glorious sunshine.

GH Griffiths
Secretary, IALE (UK)

**International Association for Landscape Ecology (IALE – UK)
Minutes of Annual General Meeting, The University of Birmingham
September 7th 2001**

1. Minutes of the Last Meeting
Read & approved

2. Chair's Report

The Chair (Bob Bunce) referred to a successful year for IALE(UK) and thanked the Officers for their continued help and support. In particular, he thanked Colin Barr, Sandrine Petit and all those involved in the organisation and running of the Hedgerow Conference for making it a highly successful annual meeting for which IALE(UK) is now internationally renowned.

The Chair mentioned that IALE(UK) continued to have an important role and presence in Europe, referring to the series of ECOLAND meetings at which IALE(UK) members had participated. ECOLAND is a forum to discuss ecological monitoring at landscape scales across Europe. The Chair continued with a resume of the European Congress of IALE held in Stockholm & Estonia in July, 2001. A number of critical issues were

discussed of significance to IALE(UK) at a series of meetings, including the setting-up of a new organisation, Landscape Europe. Landscape Europe is being established alongside, but separate from Alterra at the University of Wageningen, essentially to provide a voice within Europe for Landscape Ecology. The Chair argued that further work was required relating to the financial and constitutional arrangements for Landscape Europe in consultation with members of all European IALE organisations, before going ahead. In particular, members of IALE should have the opportunity to consider alternative proposals including the possible establishment of IALE Europe.

John Dover (Treasurer) suggested that members of all IALE Chapters in Europe should have the opportunity to vote on any proposals to establish IALE Europe.

Roy Haines-Young (member) suggested that constitutionally each individual chapter could be a member of IALE Europe with each Chapter sending a representative to a European Forum.

David Howard (Publicity Officer) pointed out that many countries do not have properly constituted chapters.

Geoffrey Griffiths (Secretary) enquired whether this was the response that the meeting would like conveyed to IALE International. This was agreed and the Secretary was asked to write to IALE International with a proposal setting-out the precise objectives of IALE Europe with proper consideration of financial and constitutional arrangements. (*Action: Secretary*).

3. Secretary's Report

The Secretary said that two committee meetings had been held over the year and that minutes of all meetings were available to any member of IALE (UK) from him (g.h.Griffiths@reading.ac.uk). He thanked David Howard for his continued secretarial support since the Secretary had taken over as Head of Department at Reading.

The Secretary confirmed that one student, Marta Chincarini, had been awarded a Student Conference Travel Award (SCTA) to attend the Hedgerow Conference in Birmingham (report attached).

The Secretary apologised for not sending out nomination forms in time for the AGM. He emphasised the need to both broaden and revitalise the membership of the Committee. There were two proposals from the floor:

Georgianne Griffiths for Student Rep. (elected unopposed))
Richard Smithers for Ordinary Member (elected unopposed)

4. Treasurer's Report

The Treasurer summarised the accounts for 2000-01 (enclosed) showing that income is slightly down from last year, largely as a result of a fall in book income and lower than expected revenue from the Bangor annual conference in September 2000. The End of Year Accounts showed a balance of £7969.38. Known commitments for 2001/02 are: £3396 (cost of publishing Proceedings), £930 (International Subs.) and £1600 (deposit for UEA Conference in 2002).

The Treasurer emphasised the importance of sales from Proceedings, both from past and more recent volumes.

Richard Smithers (member) asked about the value of the subscription to International IALE per member. The Chair referred him to a recent item in the IALE Newsletter from the Treasurer of IALE International, Rob Jongman, outlining many of the benefits of IALE International.

In view of the high proportion of the membership that now goes to International IALE, The Treasurer proposed that the fee should be increased from £15 to £20 from 2003. This was agreed.

5. Future Meetings

- (i) The 2002 Annual Conference will be organised by Dan Chamberlain from the BTO on 'Birds & Landscape Ecology' at the University of East Anglia. The Chair thanked Dan for taking on this major task and was looking forward to an interesting and successful conference.
- (ii) The 2003 Annual Conference will be organised by Richard Smithers Conservation Officer for the Woodland Trust on, 'Landscape Ecology & Woodlands'.
- (iii) Other Meetings (to be confirmed):
 - Landscape Ecology of the Atlantic Mountains (NW Spain, April 2002).
 - Landscape Ecology of Riparian Zones at the University of Reading. One-day meeting in 2003

There was a discussion about the preferred name for the 2002 meeting. Roy Haines-Young argued that 'Birds & Landscape Ecology' was too specialised and suggested the alternative, 'Birds, People & Landscape'. The Chair agreed to write to Dan Chamberlain with an alternative title (*Action: The Chair*).

The Treasurer suggested that the 2004 meeting should be holistic on landscape ecology in general and including cultural components.

6. AOB

The committee considered a proposal to introduce a Student Poster Award.

7. Date of Next Annual General Meeting

AGM at the University of East Anglia, September 2002.

GH Griffiths

Secretary IALE (UK)

8 November 2001

**IALE European Conference 2001
Development of European Landscapes
University of Stockholm and University of Tartu
July 2001**

The IALE European Conference 2001 on Development of European Landscapes was jointly organised by Department of Physical Geography and Quaternary Geology, University of Stockholm and Institute of Geography, University of Tartu. This unusual but largely successful arrangement, involved an overnight ferry ride between Stockholm and Tallinn in Estonia in the middle of the conference. Fortunately it was perfect weather and a flat calm and we enjoyed a drink on deck as the boat steamed out through the Swedish archipelago. Moving a whole conference between centres by an overnight boat ride seemed to invite disaster. It is a credit to Ülo Mander from Estonia and Margareta Ihse from Sweden and their helpful and ever courteous team of assistants that this and every other aspect of the conference ran smoothly and enjoyably at every turn.

There were 6 sessions: Plenaries, Theoretical Aspects and Modelling; Cultural Heritage in Changing Landscapes; Landscape Change; Landscape Management and Restoration; Urban Landscape Ecology with a full set of posters.

The Plenary Session which was split between the two centres, included contributions from Marc Antrop (Belgium) on 'Changing Landscape ecological relations between urban and rural', Christine Estreguil and others (Italy) on 'Monitoring population-induced stress in urban and regional development; Richard Hobbs and J. Wu (Australia) on 'Perspectives for Ecological Research' and Mike Moss (Canada) on 'Landscape ecology in N. America; underlying

themes in its development and potential among others. The conference included some excellent excursions in both Sweden and Estonia and in good field-class tradition we had excellent preparatory lectures on the development of Swedish landscapes (U. Sporrang) and Estonian landscapes (Ülo Mander).

Apart from the formal sessions there were a series of workshops devoted to research on European landscapes. Bob Bunce (The Netherlands and UK) convened a meeting with Berien Elbersen on the ECOLAND initiative, a forum devoted to the development of procedures for landscape monitoring at the European scale. Alterra, a component organisation of the University of Wageningen, The Netherlands, also used the opportunity to launch Landscape Europe. The objective is to establish a European-wide organisation with the capability to bid for and undertake large, European scale projects in all aspects of landscape research.

Despite the relatively high cost of the meeting, there was a good UK IALE representation, important if we are to continue to have influence at the European level. There was considerable debate at the meeting about the formation of a pan European IALE, a debate interestingly that was taken up at the AGM of UK (IALE). Like the Euro this is likely to continue for some time!!

A successful, interesting and enjoyable conference – I look forward to the next!

G.H. Griffiths
Secretary, IALE.

Book Review

Gaston, K.J. and Blackburn, T.M. (2000) *Pattern and Process in Macroecology*. Blackwell Science. ISBN 0-632-05653-3

As landscape ecologists we are often deeply suspicious of anyone treading on our territory. Thus, when the 1993 British Ecological Society Annual Symposium was published under the banner 'Large-Scale Ecology and Conservation Biology' many landscape ecologists were bemused by the conspicuous avoidance of the term 'landscape ecology' - not only in the title - but seemingly in complete volume. So what is 'macroecology'? Is it simply another attempt to package landscape ecology in a different guise? Well, no it isn't. In this book, Gaston and Blackburn outline the macroecological approach in a clear, well-written style. They present a very readable and well argued case for macroecology as a developing discipline. As with landscape ecology, macroecology is concerned with understanding the distribution and abundance

of species at large temporal and spatial scales. Where it differs - is in its approach. Macroecology takes a top-down approach and attempts to explain the structure of communities by reference to statistical distributions of variables using large data sets. Examples include: body size and species diversity, the distribution of range sizes, geographic range size and latitude.

The authors focus on the long-term dynamics of one particular community, the breeding birds of Eastern Wood on Bookham Common in Surrey. Ernest Bevan's data set is dissected in a wealth of detail. The analyses of these data attempt to highlight the macroecological patterns inherent in understanding the structure and dynamics of a single ecological assemblage, and identifies how such local assemblages are influenced by their regional context. Whereas, the classical landscape ecological approach to the same data might emphasise the effects of landscape structure, in particular area and isolation, and possibly attempt to analyse the composition of the assemblage in order to detect rules in the make-up of the assemblage (e.g., nestedness), what macroecology does is to relate local patterns of the assemblage to metrics at the national scale. For example, analyses of bird species richness in Eastern Wood is related to prevailing hypotheses that attempt to explain latitudinal gradients in species richness from the poles to the equator. Similarly, statistical distributions of body size, range size and abundance of birds in Eastern Wood are analysed with reference to large-scale statistical distributions of the same data. Is this approach successful? It is. Is it different from landscape ecology? It is, but there is some crossover - it is complementary. Both disciplines have much to offer one another. Eventually, the twain will meet. I recommend you read it.

Letter to the editor

Dear IALE(UK) Member and Colleague,

Would you be willing to contribute a little of your time and expertise?

Some IALE-Germany members have contributed to a (soon to be published) book on Landscape Ecology edited by Olaf Bastian and Uta Steinhardt entitled: "Development and Perspectives in Landscape Ecology - conceptions, methods and application." The book will be published by Kluver.

Although the chapters are written in English the English is a bit clumsy, here and there and we are seeking some help from our British colleagues. We want people to see what work is going on in Germany and don't want language problems to obscure things!

We know that you are all very busy too and (of course) we cannot offer money - but we can offer a free copy of the book when it is published and an acknowledgment ! It will be a textbook of about £45 and you will learn a lot about the long German tradition of landscape ecology and several new approaches in your (!) language.

So how many chapters can you offer to proof read in exchange for a whole textbook? A chapter is approx. 10 manuscript pages long and it will be sent to you in its digital form. You will receive the chapter at the beginning of February and of course - as normal nowadays - we would appreciate if you could return it as soon as possible.

Its not about earning money - its about helping each other out. Let us know when we can do something for you.

Also, in Spring last year we published in *Ecological Studies* 147 a book entitled, 'Ecosystem approaches to Landscape Management in Central Europe'. As co-author I can get a limited number of copies at reduced price: EUR105 instead of the usual EUR143. If you are interested to buy one, please let me know.

Best wishes for 2002
Marion Potschin

Email: Marion.Potschin@unibas.ch

Student Conference Travel Award

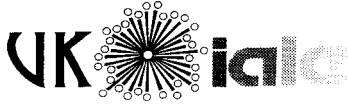
The IALE(UK) awards a number of travel grants to students studying landscape ecology at a UK university. The award is open to all students with an interest in landscape ecology who are attending a taught course at Masters level or who are undertaking a degree by research. In general, awards are designed to assist postgraduate students to attend the annual conference of IALE(UK) and for research postgraduates to attend other meetings, including the European and International Meetings of the IALE.

An Award was made this year to Marta Chincarini from Italy.

Please apply to:

Dr G.H. Griffiths
The Secretary of IALE(UK)
Department of Geography
The University of Reading
Whiteknights PO Box 227
Reading RG6 6AB

email: g.h.griffiths@reading.ac.uk



11th Annual IALE-UK Conference

Avian Landscape Ecology

Pure and applied issues in the large-scale ecology of birds

University of East Anglia

10th-13th September 2002

Speakers to include:

- Dr Rob Fuller (British Trust for Ornithology)
- Prof. Kevin Gaston (University of Sheffield)
- Dr Shelley Hinsley (Centre for Ecology & Hydrology)
- Prof. Steve Ormerod (University of Wales, Cardiff)
- Dr Rex Sallabanks (Sustainable Ecosystems Institute, Idaho)
- Prof. William Sutherland (University of East Anglia)

As for previous IALE conferences, talks and poster abstracts will be pre-published as conference proceedings. Further details available on the IALE-UK website: www.iale.org.uk/avian1.html

Contact Dan Chamberlain if interested in contributing a talk or poster at:

British Trust for Ornithology

The Nunnery

Thetford IP24 2PU

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E-mail: dan.chamberlain@bto.org

Recent Contents

Landscape Ecology

The journal *Landscape Ecology* is available to members of IALE(UK) at a special reduced rate. See <http://www.wkap.nl/journals/landscape>. Recent contents:

Volume 16, Issue 5

Stroh JC, Archer S, Doolittle JA, *et al.* (2001) Detection of edaphic discontinuities with ground-penetrating radar and electromagnetic induction. pp. 377-390

Sousa A, Garcia-Murillo P (2001) Can place names be used as indicators of landscape changes? Application to the Donana Natural Park (Spain). pp. 391-406

Lurz PWW, Rushton SP, Wauters LA, *et al.* (2001) Predicting grey squirrel expansion in North Italy: a spatially explicit modelling approach. pp. 407-420

de Blois S, Domon G, Bouchard A (2001) Environmental, historical, and contextual determinants of vegetation cover: a landscape perspective. pp. 421-436

Ahas R, Aasa A (2001) Impact of landscape features on spring phenological phases of maple and bird cherry in Estonia. pp. 437-451

Allen CR, Pearlstine LG, Wojcik DP, *et al.* (2001) The spatial distribution of diversity between disparate taxa: Spatial correspondence between mammals and ants across South Florida, USA. pp. 453-464

Volume 16, Issue 4

Gao Q, Yu M, Yang XS, *et al.* (2001) Scaling simulation models for spatially heterogeneous ecosystems with diffusive transportation. pp. 289-

Jones KB, Neale AC, Nash MS, *et al.* (2001) Predicting nutrient and sediment loadings to streams from landscape metrics: A multiple watershed study from the United States Mid-Atlantic Region. pp. 301-312

Lindemann JD, Baker WL (2001) Attributes of blowdown patches from a severe wind event in the Southern Rocky Mountains, USA. pp. 313-325

McGarigal K, Romme WH, Crist M, *et al.* (2001) Cumulative effects of roads and logging on landscape structure in the San Juan Mountains, Colorado (USA). pp. 327-349

Barton AM, Swetnam TW, Baisan CH (2001) Arizona pine (*Pinus arizonica*) stand dynamics: local and regional factors in a fire-prone madrean gallery forest of Southeast Arizona, USA. pp. 351-369

Some other recent landscape ecological literature

Bowersox MA, Brown DG (2001) Measuring the abruptness of patchy ecotones - A simulation-based comparison of landscape pattern statistics *Plant Ecol* 156 (1): 89-103

Ronce O, Kirkpatrick M (2001) When sources become sinks: Migrational meltdown in heterogeneous habitats *Evolution* 55 (8): 1520-1531

- Hanski I, Singer MC (2001) Extinction-colonization dynamics and host-plant choice in butterfly metapopulations *AM Nat* 158 (4): 341-353
- Scott TA, Wehtje W, Wehtje M (2001) The need for strategic planning in passive restoration of wildlife populations *Restor Ecol* 9 (3): 262-271
- George TL, Zack S (2001) Spatial and temporal considerations in restoring habitat for wildlife *Restor Ecol* 9 (3): 272-279
- Marzluff JM, Ewing K (2001) Restoration of fragmented landscapes for the conservation of birds: A general framework and specific recommendations for urbanizing landscapes *Restor Ecol* 9 (3): 280-292
- Bowman DMJS (2001) Future eating and country keeping: what role has environmental history in the management of biodiversity? *J Biogeogr* 28 (5): 549-564
- Brookes CJ (2001) A genetic algorithm for designing optimal patch configurations in GIS *Int J Geogr Inf SCI* 15 (6): 539-559
- Dover JW, Fry GLA (2001) Experimental simulation of some visual and physical components of a hedge and the effects on butterfly behaviour in an agricultural Landscape *Entomol Exp Appl* 100 (2): 221-233
- Thomas JA, Bourn NAD, Clarke RT, *et al.* (2001) The quality and isolation of habitat patches both determine where butterflies persist in fragmented landscapes *P Roy Soc Lond B Bio* 268 (1478): 1791-1796
- Park SJ, McSweeney K, Lowery B (2001) Identification of the spatial distribution of soils using a process-based terrain characterization *Geoderma* 103 (3-4): 249-272
- Bogaert J, Salvador-Van Eysenrode D, Van Hecke P, *et al.* (2001) Land-cover change: Quantification metrics for perforation using 2-D gap features *Acta Biotheor* 49 (3): 161-169
- McCormick FH, Hughes RM, Kaufmann PR, *et al.* (2001) Development of an index of biotic integrity for the Mid-Atlantic Highlands region *T Am Fish Soc* 130 (5): 857-877
- Adler PB, Raff DA, Lauenroth WK (2001) The effect of grazing on the spatial heterogeneity of vegetation *Oecologia* 128 (4): 465-479
- Michels E, Cottenie K, Neys L, *et al.* Geographical and genetic distances among zooplankton populations in a set of interconnected ponds: a plea for using GIS modelling of the effective geographical distance *Mol Ecol* 10 (8): 1929-1938
- Bleeker W, Hurka H (2001) Introgressive hybridization in *Rorippa* (Brassicaceae): gene flow and its consequences in natural and anthropogenic habitats *Mol Ecol* 10 (8): 2013-2022
- Friedman SK, Reich PB, Frelich LE (2001) Multiple scale composition and spatial distribution patterns of the north-eastern Minnesota presettlement forest *J Ecol* 89 (4): 538-554
- Lundquist JE, Klopfenstein NB (2001) Integrating concepts of landscape ecology with the molecular biology of forest pathogens *Forest Ecol Manag* 150 (3): 213-222
- Ricotta C, Arianoutsou M, Diaz-Delgado R, *et al.* (2001) Self-organized criticality of wildfires ecologically revisited *Ecol Model* 141 (1-3): 307-311

- Gulinck H, Mugica M, de Lucio JV, *et al.* (2001) A framework for comparative landscape analysis and evaluation based on land cover data, with an application in the Madrid region (Spain) *Landscape Urban Plan* 55 (4): 257-270
- Kleinn C (2000) Estimating metrics of forest spatial pattern from large area forest inventory cluster samples *Forest Sci* 46 (4): 548-557
- Stalmans M, Balkwill K, Witkowski ETF, *et al.* (2001) A landscape ecological approach to address scaling problems in conservation management and monitoring *Environ Manage* 28 (3): 389-401
- Vandermeer J, Carvajal R (2001) Metapopulation dynamics and the quality of the matrix *Am Nat* 158 (3): 211-220
- Hovel KA, Lipcius RN (2001) Habitat fragmentation in a seagrass landscape: Patch size and complexity control blue crab survival *Ecology* 82 (7): 1814-1829
- Pringle CM (2001) Hydrologic connectivity and the management of biological reserves: A global perspective *Ecol Appl* 11 (4): 981-998
- Whittaker RJ, Willis KJ, Field R (2001) Scale and species richness: towards a general, hierarchical theory of species diversity *J Biogeogr* 28 (4): 453-470
- Harrison SSC, Hildrew AG (2001) Epilithic communities and habitat heterogeneity in a lake littoral *J Anim Ecol* 70 (4): 692-707
- Lorimer CG (2001) Historical and ecological roles of disturbance in eastern North American forests: 9,000 years of change *Wildlife Soc B* 29 (2): 425-439
- Antrop M (2001) The language of landscape ecologists and planners - A comparative content analysis of concepts used in landscape ecology *Landscape Urban Plan* 55 (3): 163-173
- Hess GR, Fischer RA (2001) Communicating clearly about conservation corridors *Landscape Urban Plan* 55 (3): 195-208
- Niemela J (2001) Carabid beetles (Coleoptera : Carabidae) and habitat fragmentation: a review *Eur J Entomol* 98 (2): 127-132
- Akcakaya HR (2001) Linking population-level risk assessment with landscape and habitat models *Sci Total Environ* 274 (1-3): 283-291
- Lunney D (2001) Causes of the extinction of native mammals of the Western Division of New South Wales: An ecological interpretation of the nineteenth century historical Record *Rangeland J* 23 (1): 44-70
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Ordinary Member	Richard Smithers Woodland Trust

Diary

IALE Meetings

2002

10 - 13 September **IALE(UK) Annual Conference** 'Avian Landscape Ecology. Pure and applied issues in the large-scale ecology of birds' at University of East Anglia.
contact Dan Chamberlain, British Trust for Ornithology, The Nunery, Thetford IP24 2PU
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2003

13—17 July **IALE World Congress**
Darwin, Australia
See <http://www.ntu.edu.au/facilities/science/sbes/iale-z/worldcongress.html>

September IALE(UK) Annual conference 'Landscape Ecology and Woodlands'
contact Richard Smithers, Woodland Trust

Other Meetings of interest

2002

17—19 April British Ecological Society Annual Symposium
Macroecology: Reconciling Divergent Perspectives on Large-scale Ecological Processes
University of Birmingham
www.demon.co.uk/bes/

14—19 July Society for Conservation Biology
16th Annual Meeting
University of Kent at Canterbury
E-mail: a.s.pullin@bham.ac.uk or scb2002@ukc.ac.uk
See: www.ukc.ac.uk/anthropology/dice/scb2002/

