
iale

Volume 5 No. 1 June 1987

bulletin**International Association for Landscape Ecology**

EDITORIAL

On the eve of the second IALE symposium, to be held in Münster (FRG) from 19 to 24 July, we are happy to issue this number of the Bulletin. No feature article has reached us this time, but we can inform you about a lot of interesting developments in several regions. A new Working Group on Desert Ecology has been initiated and several existing groups show growing activity. We have the impression that after a slow start the real work is happening now in this

respect.

Further we are very happy to announce the founding of a new international scientific journal, *LANDSCAPE ECOLOGY*, with Dr. Frank Golley as the Editor-in-Chief. You will find more information about it in this issue. And last but not least: we look forward to your contributions, comments and relevant information for the next Bulletin.

W.B. Harms

S.M. ten Houte de Lange

IALE INFORMATION**NEW RESEARCH PROGRAMME OF THE GERMAN RESEARCH SOCIETY (FRG)**

Special Collaborative Programme 179:
"Water and Matter Dynamics in Agro-Ecosystems"

The main objective of this major long-term program is the analysis and forecasting of effects which farming and natural properties of specific sites have on energy fluxes, water fluxes,

matter dynamics, microclimate and organisms. Fifteen different institutions and university departments are participating in the program and working in 18 sub-projects.

Apart from a wide range of experimental work, the programme will include the development and application of models.

The programme is divided in six divisions as listed below:

Division A: Modeling System Water and

Matter Dynamics of Agro-Ecosystems
Division B: Regionalization/Remote
Sensing
Division C: Basic Structures and Pro-
cesses
Division D: Biogenic Matter Dynamics and
Bioindicators
Division E: Runoff and Groundwater
Division Z: Central Services

If you are interested in more details,
we will be pleased to let you have a
comprehensive description of the Special
Collaborative Programme 179 including
the addresses of the individual sub-
projects. Please, write to:

Sekretariat SFB 179
Technische Universität Braunschweig
Langer Kamp 19c
D-3300 Braunschweig
Fed. Rep. of Germany

The members of the Special Collaborative
Programme 179 of the German Research So-
ciety are interested in a cooperation
with other institutions or individual
scientists working on similar research
projects (exchange of scientists, visits
to research sites and laboratories, ex-
change of data, models and publica-
tions).

To a limited extent, we can offer work-
ing possibilities to guest scientists.
In case you are interested, please ad-
dress your enquiry directly to the sub-
project in question.

Scientific coordinator: Prof. Dr. H.
Rohdenburg
Secretary: Dr. H.-R. Bork

Dept. of Physical Geography
and Landscape Ecology
Langer Kamp 19c
D-3300 Braunschweig
Fed. Rep of Germany

THE FIRST CANADIAN SYMPOSIUM AND WORK-
SHOP ON LANDSCAPE ECOLOGY AND MANAGE-
MENT:

A national symposium and workshop was
held focussed upon the developing prin-
ciples of landscape ecology and its
applications to land and landscape man-
agement. At the symposium, the first
General Meeting of the Canadian Society
for Landscape Ecology and Management has
been held.

A NEW INTERNATIONAL JOURNAL: LANDSCAPE
ECOLOGY

Editor-in-Chief:
Dr. Frank B. Colley, Institute of Ecol-
ogy, University of Georgia, Athens,
GA 30602, U.S.A.

Other members of the Editorial Board are
being invited at the moment.

Aims and scope

Landscape Ecology will aim to provide a
medium of original papers in the field
of landscape Ecology, the science of the
structure and functioning of landscapes

(their mutual relations with mankind).

The journal will attract papers on both fundamental and applied research. Emphasis will be placed on papers presenting results of original research, but also reviews of recent developments in the field of landscape ecology will be published. Special volumes devoted to actual themes will also be considered.

The journal will be open to contributions on integrated landscape research, dealing with the biological, abiotic and anthropogenic aspects and scales as well as biogeography, global change, land-use and planning, nature management and environmental conservation, provided that they refer to the level-of-integration of the landscape, rather than to the ecosystems or species.

Call for papers

We invite you to contribute to 'Land-

scape Ecology'. Papers should be submitted to the Editor-in-Chief, Dr. Frank B. Golley, Institute of Ecology, University of Georgia, Athens, GA 30602, U.S.A. Decisions on submitted papers will be made as soon as possible, usually within four weeks from the date of receipt.

Subscription information

First issue: July 1987

Four issues of approx. 64 pages each per volume. Format 19.5 x 26 cm.

Individual members of Intecol and IALE will be offered a special subscription price.

Publisher:

SPB Academic Publishing, P.O.Box 97747,
2509 GC The Hague, The Netherlands

IALE WORKING GROUPS

NEW WORKING GROUP "DESERT ECOLOGY"

During the meetings on desert ecology held at Sde Boqer, Israel, during March 1987, it became clear that we were quickly forming a working group of landscape ecologists with special interest in arid lands (ranging from Savanna to extreme desert). The group which met at Sde Boqer consisted of Europeans and Americans with professional backgrounds

ranging from physiology and animal behavior to plant community ecology, ecosystem ecology and classic landscape ecology. We felt it important to maintain the dialog and momentum initiated at Sde Boqer, and therefore, on the advice of Prof. Zonneveld, propose to initiate a working group within IALE. Our current foci of interest include problems in landscape heterogeneity, spatial and temporal scale, and dynamics at all levels of biological organization, as these relate to arid zone landscape

ecology. We invite the participation of interested IALE members.

Dr. Linda Olsvig-Whittaker
Mitrani Center for Desert Research
Ben Gurion University of the Negev
Sde Boqer Campus, Israel 84 990

WORKING GROUP "ECOLOGICAL INFRASTRUCTURE"

The IALE-meeting to be held in Münster this summer is devoted to connectivity in the rural and agricultural landscape. This seems to be a fine opportunity for a first meeting of the working group, to discuss aims and future activities of the working group, exchange ideas and experiences and discuss concepts and progress of our work.

For participants of the workshop it will be interesting to know something of each others work in advance. We ask you therefore, whether you will visit the congress or not and whether you will present a paper or not, to send us a short description of your recent activities on the subject. We suggest one or two sheets including references to literature. We also would be happy to receive suggestions for workshop themes.

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Research Institute for Nature
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3956 ZR Leersum
The Netherlands

Drs. A.F. van de Klundert
National Agency of Physical Planning
Willem Witsenplein 6
2596 KB The Hague
The Netherlands

WORKING GROUP "COASTAL MANAGEMENT"

Brief information about the European Workshop and Symposium:

"Perspectives in Coastal dune management: Towards a dynamic approach.

Contributions to nature conservation and development".

The Netherlands, 7-13 September 1987

Organization:

Dutch Foundation for Dune Conservation
in cooperation with the International
Association for Landscape Ecology.

Coastal dunes are typically characterized by a high diversity of species and environments, in the Netherlands as well as in other European countries. At the same time, however, these coastal landscapes are very attractive for a large number of human activities, because of their location and their land qualities. Outdoor recreation, tourism, harbours and industry, wind-energy catchment and, nowadays, atmospheric deposition, are threatening the fragile dune ecosystems. Conditions for natural processes are changing. The problem of how to make use of the dunes, while at the same time conserving them is an enormous challenge to ecologists, planners and politicians. Recognition of the problem clearly urges society to develop and improve upon

guidelines for a rational balance between exploitation and conservation and to develop new perspectives for the future development of dune landscapes.

Their value, their fragility as well as the way in which dunes are being threatened lead to the formation of the (Dutch) Foundation for Dune Conservation.

The Foundation for Dune Conservation plans to organize an international week with a workshop and symposium in 1987, on the occasion of its 10th anniversary. The central theme of the week will be "conservation and development of coastal dunes in Europe". Experts on research, planning and management are to be invited. Scientific discussions and field trips together should contribute to new perspectives in the management of coastal dune ecosystems. The emphasis will be on the specific dynamic characteristics of the coastal dune landscape. Recommendations will be made with a view towards planning, management and applied ecological research in The Netherlands and in other European countries.

The dunes fulfill several important functions for society. There are four main types of land usage which will be the topics of the meeting:

- nature conservation
- coastal defence
- recreation
- drinking-water catchment.

In the workshop the term 'coastal dunes'

will be interpreted in a broad sense. This means that dune ecosystems will be treated including important relationships with the sea and foreshore.

The workshop is spread over 4 days (and 2 optional days). The workshop will offer introductions to the 4 topics mentioned; field trips to study a number of dune areas and their management; an international poster presentation; and ample time for discussion. The meeting will be concluded by a one-day symposium. The main part of the workshop has a limited number of attendants, but the symposium and most of the lectures in the first part of the workshop are open to many. During the symposium conclusions and recommendations will be formulated, largely based on the activities of the workshop. Further, an international organization will be set up to promote conservation and development of dune areas and adjacent coastal ecosystems in Europe.

The aims of the workshop and the symposium are:

1. To stimulate international interest and collaboration in the conservation and development of coastal dunes in Europe;
2. To promote regular international exchange of know-how and experience in planning, management and research in order to come to a joint strategy for nature conservation and development, taking into account the main types of land usage;

3. To present and discuss experiences in The Netherlands;
4. To make a survey of endangered coastal environments in Europa;
5. To establish an international foundation for the conservation of coastal environments in Europe based on an integration of disciplines.

More information about the workshop and symposium and application forms can be obtained from the secretariat:

Stichting Duinbehoud

office: - Stationsweg 12, Leiden
post address: - Postbus 11059, 2301 EB
Leiden, The Netherlands
Phone no. NL/71-131800

WORKING GROUP "URBAN ECOLOGY"

Scientific conference of the IALE working Group "Urban Ecology":
on the notion of urban ecology

The conference will be held at the Institute of Physical Geography, Dept. of Complex Physical Geography of the A. Mickiewicz University in Poznań, ul. Fredry 10, in the days of 26-29th October 1987. It will consist of a three days session, including a poster session, and an one days excursion concerning the theme "Landscape-ecological problems of the suburban zone of the city of Poznań, including the Wielkopolska National Park.

The only language of the conference will be English, when translation will be

needed it will shorten the time accorded to the presentation.

In the aim to somewhat "canalize" the discussion we offer You (our "auto da fe" in the form of) an one page text "What is urban ecology" and ask You to consider it as a point of departure for the discussion.

What is urban ecology?

It is a special kind of ecology, different from such one as was conceived by E. Haeckel and developed later by A. Tansley, E.P. Odum a.o. Its differentia scientifica lies in the fact, that the organisms, that are concerned in this ecology, are Humans, that are supported in their household not only by natural, but equally by additional, artificially formed resources, represented especially by fuels, than in abundance by tools and on the top of it by extrabiological information, coming from culture. These resources enable Humans to survive, to

IALE MEMBERSHIP DUES

Please remit your membership dues for 1987 to the regional or international IALE Secretariat.
Annual membership dues are US\$ 5.- for individuals and US\$ 30.- for institutions or libraries.

(See forms in this bulletin).

preserve their lives with such an efficiency, that they succeeded to reach the number of 5 milliards - an enormous achievement of organisms, mammals, of such size and of such living habits. This human ecology is, like ecology of other forms of life of organisms fundamentally dependant upon the special way of life as it is proper to Humans. In the course of development of Mankind it reached the stage of urban way of life, where Man lives in the overpowering dependance of additional supply with matter, energy and information, this last one expressed by "urban infrastructure". In this frame Man lives in his "most human" environment - called then "urban milieu" and forming a special interaction system: an urban system. Urban ecology is also a part of human ecology. It is a synthetical science, in a synecological level of ecology, that is

supported by the analytical fundamental base of human ecology on the autecological level.

prof.ord.dr. habil. Tadeusz Bartkowski
Head of the Dept. of Complex Physical Geography UAM and President of the Polish Section of International Association of Landscape Ecology

WORKING GROUP "ECOLOGY OF THE DANUBIAN CATCHMENT AREA"

The contact person and initiator of this group, prof. Marinov from Bulgaria, is planning to organize an international conference on the ecology of the Danube during May 1988. He welcomes all suggestions for contributions by specialists on river ecology, especially also from western European countries.

The International for Landscape Ecology (IALE) exists to promote interdisciplinary scientific research and communication between scientists and planners

IALE EXECUTIVE COMMITTEE

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The IALE BULLETIN is published twice yearly. News items, articles comments and suggestions are welcomed.

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DIARY 1987

- Jul 14 International Symposium on
-18 Vegetational Structure.
UTRECHT, THE NETHERLANDS.
Enq: Symposium Secretariat,
International Symposium on
Vegetational Structure, Dep.
of Plant Ecology, Lange Nieuw-
straat 106, 3512 PN Utrecht,
The Netherlands.
- Jul 19 International Seminar of the
-24 International Association for
landscape Ecology. MUNSTER,
FRG. Enq.: Institut für Geo-
graphie, Universität Münster,
Robert Kochstr. 26, D-4400
Münster, tel.
0251-833699.
- Jul 24 14th International botanical
-Aug 1 Congress (IUBS). BERLIN, FRG.
Enq: Botanisches Museum
Berlin-Dahlem,
Konigin-Luise-Str. 6-8,
D-1000 Berlin 33, FRG.
- Aug 18 21st International Seminar on
-Sep 11 National Parks and Other Pro-
tected Areas. CALGARY, CANADA,
SAN JOSE, COSTA RICA, ELSE-
WHERE IN NORTH 7 CENTRAL
AMERICA. Enq: H.B. Müller,
Director, International Sem-
inars on National Parks, Sch-
of Natural Resources,
Univ. of Michigan, Ann Arbor,
MI 48109-1115 USA.
- Aug 26 Wetlands '87
-28 Canadian wetlands ecology and
Conservation Symposium.
University of Alberta.
Enq: Wetlands '87 coordinator
CCELC Secr.
Lands Directorate
Environment Canada
Ottawa, Ontario
K1A 0E7 Canada
- Sep 7 European Workshop and Symposium
-13 Perspectives in Coastal dune
management: towards a dynamic
approach
Enq: Stichting Duinbehoud
Postbox 11059
2301 ED Leiden
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- Oct 5 International Symposium on
-10 Protected Landscapes LAKE
DISTRICT NATIONAL PARK, UK.
Enq: A. Philips, Director,
Countryside Comm., John Dower
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ham Glos. GL50 3RA, UK.
- Oct 26 Scientific conference of the
-29 IALE Working Group Urban Eco-
logy.
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.....198..... Institutional..... US \$30

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Address _____
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