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ΟΙΚΙΣΤΙΚΗ

VOL. 71, NO. 427/428/429, JULY/AUG.-SEPT./OCT.-NOV./DEC. 2004

the problems and science of
HUMAN
SETTLEMENTS

TRIPLE ISSUE

the natural city

Part 2 of 2

EKISTICS: the problems and science of HUMAN SETTLEMENTS

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The Athens Technological Organization (ATO)

The Athens Technological Organization (ATO) is a non-profit organization established in 1958 to further technology and scientific research on any subject which can contribute to the improvement of human living conditions, technical and economic development and the training of people capable of pursuing these purposes.

Athens Center of Ekistics (ACE)

Upon its establishment in 1958, ATO started ekistic research and educational programs and later on in 1963 established the Athens Center of Ekistics (ACE) to foster a concerted program of research, education, documentation, and international cooperation related to the art and science concerned with the development of human settlements. In the domain of documentation in addition to its library, ACE publishes the following two journals:

- Ekistics, the Problems and Science of Human Settlements, and
- The Ekistic Index of Periodicals, as well as
- A series of research reports and monographs documenting its following four major research projects:

- "The City of the Future"
- "The Capital of Greece"
- "The Human Community"
- "The Ancient Greek Cities"

Since 1965 ATO-ACE have hosted on their premises the Headquarters and Secretariat of the World Society for Ekistics (WSE), an independent organization, whose goals and objectives are compatible with those of ACE.

World Society for Ekistics (WSE)

The Society – an international nongovernmental organization (NGO) in consultative status with the United Nations (ECOSOC) – is a nonpolitical and nonreligious body with limited membership, formed to study man's patterns of living and their physical expression in the past, present, and future. The aims and objectives of the Society are:

- To promote the development of knowledge and ideas concerning human settlements by research and through publications, conferences, etc.;
- To encourage the development and expansion of education in ekistics;
- To educate public opinion concerning ekistics, thus stimulating worldwide interest and cooperation;
- To recognize the benefits and the necessity of an interdisciplinary approach to the needs of human settlements, and to promote and emphasize such an approach.

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TRIPLE ISSUE

The natural city

- **Part 1: Canadian issues of international relevance**
(vol. 71, no. 424/425/426, Jan./Feb./Mar.-Apr./May/June 2004)
- **Part 2: International issues of relevance to Canada**
(vol. 71, no. 427/428/429, July/Aug./Sept.-Oct./Nov./Dec. 2004)

Guest-editor: Ingrid Leman Stefanovic

Part 2: International issues of relevance to Canada

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The papers in this triple issue – the first of two triple issues of vol. 71 on the general subject "The natural city" – were solicited and edited by Ingrid Leman Stefanovic, guest-editor for this volume. The University of Toronto's undergraduate student, Eugene Berezovsky, and recent graduates Amanda Hickling and Hiromi Inokuchi, provided editorial and administrative assistance to Professor Stefanovic. P. Psomopoulos undertook the compiling and final editing of the whole in consultation with the guest-editor and some of the authors. R.J. Rooke provided editorial assistance, Alex Frème-Sklirou proofread the texts, Niki Choleva was responsible for type-setting and graphics, and Despina Moutsatsou for the final dummy from a maquette by the editor.

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- 168 Envisioning the natural city: The guest-editor's foreword** *Ingrid Leman Stefanovic*
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- 181 Resettlement of development-induced displacees: Emerging issues** *C. Emdad Haque*
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- 187 The city at the end of the cheap-oil era** *Klaus Illum*
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- 192 The role of the university in city planning: Cleveland's Lakefront Redevelopment Plan** *Wendy Kellogg and Kathryn Wertheim Hexter*
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- 203 Through the (not so) Green Door: University campus greening and curriculum change** *James Gray-Donald and David Selby*
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- 213 The "Greening the Ivory Towers" Project: The University of Auckland case study** *T.W. Fookes, Alison Hall and Logan Whitelaw*
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- 223 Non-motorized mobility in cities of the future: College and university campuses as a pilot project** *Spenser Havlick*
 “The time is at hand to determine whether [university and college] campuses, which are unique microcosms of our larger towns and cities, can demonstrate that neighborhoods, towns and cities of the future can become less dependent on the single occupant vehicle.”
- 228 Tethered vehicle systems for sustainable cities** *Richard Gilbert*
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- 233 “Localization”: A means to reduce negative transportation impacts in the “natural city”** *Natalie Helferty*
 “With the decline in global fossil fuel reserves and the ever-increasing ... climate change, ... air pollution and degradation of nature, localization will not only be desirable, but absolutely necessary.”
- 236 Sustainable housing design and the natural environment** *Meltem Yilmaz and Ruşen Keleş*
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- 245 Planning the emergent Basque megalopolis as a natural multi-metropolitan complex** *Lawrence D. Mann*
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- 282 Conditions for effective management of a river basin in the European Union** *Barbara Zanou*
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- 289 Global urbanization, is it sustainable? The challenge to the UN World Urban Forum in Vancouver, 2006** *H. Peter Oberlander*
 “... the time has come to reverse the inevitable and enlist global societies and their human and economic resources to maintain the city’s historic civilizing impact.”
- 295 Ekistic grid index**
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Cover: Early human occupation sites along the upper reaches of the Danube River and its tributaries in southern Germany (*Source:* Larson et al., “The Urban Cliff Hypothesis and its relevance to ekistics,” p. 79).

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To the Reader

As is stated in the tables of contents (pages 165-166), the papers solicited by Ingrid Leman Stefanovic, guest-editor, for the special volume of *Ekistics* (vol. 71) entitled "The Natural City," are organized in two parts, in two corresponding triple issues of the journal, as follows:

Part 1: Canadian issues of international relevance
(Vol. 71, no. 424/425/426, January/February-March/April-May/June 2004)

Part 2: International issues of relevance to Canada
(Vol. 71, no. 427/428/429, July/August-September/October-November/December 2004)

The present issue is Part 2.

The reader interested in the contents of the entire volume should also refer to Part 1 of which the detailed table of contents is given on the pages that follow (pp. 293 and 294).

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An initiative towards dismantling the broad concept of ekistics of balanced relations between nature and the other four elements of human settlements, i.e. Anthropos, Society, Shells and Networks.

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Ingrid Leman Stefanovic

The contents of this volume "is only the beginning of a conversation that, we hope, will continue as we jointly seek to better understand the full breadth and depth of how to transform our human settlements into spaces that respect the moral laws of nature in all their complexity."

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Robert F. Kennedy, Jr.

"Environmentalists are injecting the long view, the trustee obligation, into the political process."

15 Cities are successful because they are civic: The 2004 C.A. Doxiadis Lecture: David Crombie

The public realm, place and community, the value of a marketplace and economic opportunity, and relationship with nature – The four organizing components of civic culture: The case of Toronto.

20 Evolving cities into a sustaining and sustainable habitat

Willem H. Vanderburg

"To create a knowledge infrastructure capable of guiding the evolution of the urban habitat toward livable and sustainable cities requires the introduction of a preventive orientation into each and every relevant area of specialization [which], in turn, will lead to beneficial synergistic effects between" them.

26 Urban sustainability and public awareness: The role of the National Round Table on the Environment and the Economy in Canada

Edwin Charles Aquilina

Working closely "with the full range of partners and stakeholders [in] building public engagement with the sustainable future of which the natural city is one important part."

30 Toward the green city through revitalizing major obsolescent urban lands

Ken Greenberg

Five projects of urban regeneration centers near water sites made available by the long, slow, and inevitable process of industrial retreat.

35 The growing role of citizen engagement in urban naturalization: The case of Canada

Stewart Chisholm

Recording activity since 1991, assessing results and suggesting principles for future action by "Evergreen" – a national, non-profit environmental organization "that brings communities and nature together for the benefit of both."

45 Downsview Park, Toronto: A part of the natural city of the 21st century

Tony Genco

The early stages in the process of implementing "a winning formula for the creation of an urban park ... and a leading edge sustainable community to realize the potential and opportunity of building a natural city."

52 The price of sprawl in Ontario, Canada

Ray Rivers

Adding "a positive tax to land converted from farm use to urban sprawl [and/or] promoting inner city development by requiring the purchase of sprawl offsets ... might ... assist in re-balancing the market place for development land."

57 Is Smart Growth a smart adaptation strategy? Examining Ontario's proposed growth under climate change

Brad Bass

"A strategy to increase urban vegetation will confer many benefits that are currently inadequately addressed" and will also reinforce those elements "that reduce ... vulnerability to climate change": A critical assessment of current regional planning initiatives.

- 63 Financial incentives for behavioral change in the ecological city** *Rodney R. White*
Assessing “the implications of climate change for water availability and the potential for the application of urban environmental finance ... to the three main physical throughputs of water, energy and solid waste.”
- 68 The environmental costs of femininity** *Carly Bowman*
A review of health and environmental risks deriving from cosmetics and related industry – and a call for women citizens to “to lobby government for a more inclusive regulatory regime.”
- 76 The Urban Cliff Hypothesis and its relevance to ekistics** *Doug W. Larson, Uta Matthes, Peter E. Kelly, Jeremy Lundholm and John A. Gerrath*
If “our attitudes and feelings about the built environment have ancient evolutionary roots” and the flora and fauna of our landscapes are “largely rock outcrop species ... , then it becomes possible to ... create both efficient and comforting environments.”
- 84 Ecology in the natural city: Testing and applying the Urban Cliff Hypothesis** *Jeremy Lundholm*
“The acknowledgment that cities may be functionally ‘natural’ to non-human organisms may yield tangible benefits as well as provide a strong foundation for revitalizing our conceptions of urban places.”
- 90 Green Buildings Policy: An analysis of three market-oriented innovations** *Jesse Zuker*
The assessment of the quantitative and qualitative impacts of each of “three innovative applications that address the barriers to sustainability in the design, construction and real estate sector ... developed in the USA [if coupled with] a review of European, Japanese and Australian initiatives, ... [could] provide an in-depth understanding of the best instruments that could be applied in Ontario.”
- 102 The use of wood for construction and energy in the natural city – The case of Canada** *Gundolf Kohlmaier*
As part of Canada’s commitment to contribute through its cities to climate protection, its “forest ... industry could expand its wooden home exports considerably by designing low energy and high-tech houses, while providing their wastes for heating systems.”
- 113 Housing in the natural city: The role of prefabrication** *M.T. Gorgolewski*
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- 118 The Oak Ridges Moraine: A story of nature in the Greater Toronto Urban Region** *David Lewis Stein*
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- 123 Lake Ontario’s Waterfront : Realizing a decade of regeneration** *Suzanne Barrett*
Assessment of multiple initiatives by the Toronto Waterfront Regeneration Trust and Identification of essential ingredients for continuous successful regeneration in the decade 2000-2010.
- 126 Lake Ontario Waterfront: Update since “A Decade of Regeneration ...”** *Marlaine Koehler*
Recording the successful efforts of a private local partnership initiative to complete, enhance and promote the implementation of an originally provincial environment program.
- 133 Organizing political support for the natural city** *Preston Manning*
Five concrete policy proposals in an Agenda for Change and three concrete strategic suggestions for effective action towards the realization of the natural city.
- 135 Building on success in Mississauga, Ontario** *Hazel McCallion*
A City “needs the support of the entire community to make ideas and initiatives possible”: The long success story of Canada’s sixth largest city.
- 138 Federal-provincial governance and the future status of Canadian cities** *Frank Smallwood*
To counteract federal and provincial governments restricting policies, local governments should launch advocacy campaigns to strengthen their decisions and fiscal capacity through the Federation of Canadian Municipalities and forge alliances with urban businesses, the media and environmental groups.
- 145 Ekistic grid index**

Cover: Early human occupation sites along the upper reaches of the Danube River and its tributaries in southern Germany (*Source:* Larson et al., “The Urban Cliff Hypothesis and its relevance to ekistics,” p. 79).

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