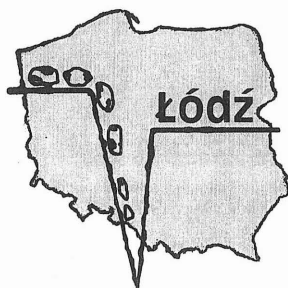


PERIGLACIAL ENVIRONMENTS: PAST, PRESENT AND FUTURE

ŁÓDŹ PERIGLACIAL SYMPOSIUM

*To celebrate 50 years of Periglacial Research
under the aegis of the IGU*

27–30 September 1999



Program symposium

Field excursion I – The edge zone of the Łódź Plateau: a region of classical periglacial modelling (K. TURKOWSKA)

Welcome by the organizers of the Symposium:

K. TURKOWSKA – Chair of the Quaternary Research of the Łódź University

A. RÓŻAŁSKI – Dean of the Faculty of Biology and Earth Sciences of the Łódź University

L. STARKEL – Committee of Quaternary Research of P.A.S.

Anniversary session on 50 years of periglacial research in the framework of a Periglacial Commission: historical overviews and future prospects

A. PISSART: The UGI Periglacial Commission and its role from 1949 until 1980

H. M. FRENCH: From heroic expeditions to modern field programs in periglacial environments

J. -P. LAUTRIDOU: La contribution des experiences en laboratoire aux recherches périglaciaires: histoire, acquis et perspectives

J. VANDENBERGHE: Periglacial research: jumping between process and environment

L. STARKEL: Polish roots of periglacial research

Field excursion II – The Koźmin site in the Warta River Valley (J. PETERA, K. FORYSIAK)

Paper session – “Old topics, new results of periglacial research”

J. MURTON, E. KOLSTRUP: A re-evaluation of the use of relict periglacial structures to derive Quantitative palaeoclimatic values

K. KASSE: Can involutions be used as palaeotemperature indicators?

S. A. HARRIS: hat transfer process at the lower limit of alpine permafrost, Marmot Basin, Jasper National Park, Canada

S. MILLAR, F. NELSON: Variability of clast fabric in periglacial slope deposits, Eagle Summit, Alaska

H. M. FRENCH: What is a periglacial environment?

P. WORSLEY: Ice wedge cast investigations in the British Isles – 1849 to 1949

A. PISSART: The remnants of lithalsas of the Hautes Fagnes (Belgium) and the Younger Dryas climate

N. MATSUOKA: Direct observations of frost wedging in alpine bedrock

M. BAUMGART-KOTARBA, CH. JONASSON, A. KOTARBA: Holocene geomorphic processes in subarctic environment of Karkevagge valley, Abvisko Mountains, Northern Sweden

B. VAN VLIET-LANOE: comparison between cryogenic and co-seismic or neotectonic deformations: implications for the European permafrost

Z. RĄCZKOWSKA: Slope dynamics in periglacial zone of the Tatra Mountains

I. HEYSE: Fossil peryglacial remnants in Flanders (Belgium)

Poster session

B. ANTCHAK-GÓRKA: Wind-faceted stones within the maximum limit of the last ice sheet in southern Wielkopolska and the periglacial phenomena concurrent with them

Z. BALWIERZ: Vegetation of the Plenivistulian in Central Poland

G. DOSTATNI: The morphometrical studies of the sand-wedge polygonal nets in the Great Polish Lowland

S. A. FABIAN, J. KOVACS, G. VARGA: Permafrost in the Carpathian Basin

M. HUISINK, S. KULUI: Holocene arctic river and vegetation reconstructions in the Russian Tundra; the Usa basin

K. ISSMER: Periglacial features of loess deposits in the Western Pomerania

M. IWAFUNE: Lichenometric study on debris production on cliffs in Mt. Huktaka-dake, the northern Japanese Alps

K. KRÓL, J. RUTKOWSKI: Post-pingo structure in the Suwałki Lake Region (NE Poland)

G. T. VIEIRA: Recent observations on active cryogenic phenomena, Sierra da Estrela, Portugal

R. ŻURWEK: Relict rock glaciers of the Central European Mid-Mountains

Field excursion III – sediments of periglacial environment from Pleistocene in the Bełchatów opencast Mine (J. S. Goździk, Z. Balwierz, T. Zieliński)

This issue of *Biuletyn Peryglacjalny* contains the papers presented during the Symposium "Periglacial Environments: Past, Present and Future", which took place in Łódź, 27–30 September 1999. The aim of this meeting of the International Geographical Union (IGU) Commission on Climatic Change and Periglacial Environments and of the International Permafrost Association (IPA) Working Group on Periglacial Processes and Environments was to celebrate 50 years of periglacial research under the aegis of the IGU, for which the first steps were undertaken in 1949. Since then many initiatives have brought together scientists from all over the world to discuss their results, to compile special publications and to experience periglacial phenomena and processes in present and past periglacial environments. Professor ALBERT PISSART and Professor JEF VANDENBERGHE suggested to organise the Symposium at Łódź to commemorate JAN DYLIK's merits, who was the president of IGU Periglacial Geomorphology Commission from 1956 to 1972 (appointed during the XVIII IGU Congress in Rio de Janeiro, reappointed in 1960 during the XIX IGU Congress in Stockholm, in 1964 during the XX Congress in London and in 1968 during the XXI IGU Congress in New Delhi). The Conference was organized by the Chair of Quaternary Research of the University of Łódź under the auspices of the Polish Association of Geomorphologists and the Committee of Quaternary Research of Polish Academy of Sciences.

The Symposium was attended by 46 scientists from 12 countries (20 foreign participants and 26 from Poland). The history of periglacial research, coordinated by the IGU, was presented by its direct creators, presidents in: 1972–1980 – Professor A. PISSART (University of Liège), 1980–1988 – Professor H. FRENCH (University of Ottawa), 1988–1996 – Professor J. -P. LAUTRIDOU (Centre de Géomorphologie, Caen) and from 1996 up to today – Professor J. VANDENBERGHE (Vrije Universiteit, Amsterdam). Results of recent studies were reported by specialists investigating various

periglacial environments. Particularly fruitful appeared discussions stimulated by symposium excursions. The results of studies conducted in Łódź were presented in the field: I. in the edge zone at the Łódź Plateau where the role of periglacial morphogeny is the best recognized, where it stood the best of time and have model value; II. at opencast mines in Koźmin, where the infill of the Warta River valley fashioned under periglacial conditions was demonstrated; III. At the Bełchatów opencast mine, where participants studied sediments of periglacial environment from Pleistocene deposits.

Organizers of the Symposium



Photo by A. Czech 1999

Group picture of the participants of the Łódź Periglacial Symposium 1999 during the field excursion in the Koźmin opencast mine

Note from the Editor: because of the technical reasons some papers dealing with the Symposium will be published in the next volume of *Biuletyn Peryglacjalny*.