

THE JOINT SYMPOSIUM
OF THE COMMISSION ON PERIGLACIAL MORPHOLOGY
AND THE COMMISSION ON THE EVOLUTION OF SLOPES
OF THE I.G.U., POLAND, 1967

The Symposium was held in Wrocław, Cracow, Łódź, and Toruń from September 20th to 29th, 1967. The organizers were the Geographical Institutes of the Universities of Łódź, Toruń and Wrocław, and the Geomorphological Branch of the Institute of Geography of the Polish Academy of Sciences, in Cracow. The Symposium was attended by 67 participants from 17 countries (including 20 persons from Poland). The Commission on Periglacial Morphology was represented by 14, and the Commission on the Evolution of Slopes — by 9 scholars.

The opening meeting of the Symposium took place in Wrocław, Professor A. Jahn, Rector of the Wrocław University made an address of welcome. Afterwards, Professor J. Dyliz, in his introductory speech presented, on behalf of the organizing Committee, the purposes and tasks of this scientific meeting. Professor P. Macar spoke in the name of the participants. The official closing session held in Łódź was devoted to a general discussion. The last day of the Symposium was attended by some of the participants only who visited the Toruń region. The additional field study excursion was prepared and led by Professor R. Galon.

The joint Symposium of the Commission: on Periglacial Morphology and on the Evolution of Slopes was devoted to the following problems:

- (1) Genetic classification of periglacial slope deposits based on lithologic facies
- (2) Classification of periglacial slope processes
- (3) Modelling of periglacial slopes under various conditions

defined by: (a) facies (in space) or phases (in time) of periglacial climate, (b) characteristics of the rock, (c) antecedent land-forms

- (4) Essential features of periglacial slopes: gradients, forms etc.
- (5) Erosional glaciis, altiplanation terraces, accumulational glaciis, mutual relations between both these types of glaciis, backwearing and downwearing under periglacial conditions
- (6) The role of periglacial rivers in slope modelling
- (7) The role of periglacial modelling in the development of polygenetic slopes, both Pleistocene and pre-Pleistocene
- (8) Soil formation processes, quantitative and qualitative evaluation of Pleistocene fossil soils, especially of actual and recent soil formation in the Arctic and Antarctic regions.

The programme of the Symposium comprised two kinds of activities: discussion & paper sessions and field study excursions.

The papers were grouped according to the problems mentioned above but only the foreign scholars read their papers at the Symposium sessions. The Polish workers presented many sections and land-forms to the participants during the field excursions; they had an opportunity to express their views and opinions relating with the problems listed above.

During the opening session moderators were elected whose task was to briefly summarize the problems discussed during the Symposium. The reporters' comments are also printed in the same volume of the *Biuletyn Peryglacjalny*.

At the time of the Symposium two administrative meetings of both Commissions were held: on September 20th, in Wrocław that of the Commission on the Evolution of Slopes and on September 28th, in Łódź — that of the Commission on Periglacial Morphology.

PROGRAMME

20th September

Address of welcome by Rector of the Wrocław University, Professor A. Jahn — introductory speech by Professor J. Dylak — address by Professor P. Macar.

Papers and discussions:

- (1) Chairman: P. Macar

E. M. Katalasnov — The typical features of cryogenic eluvium on slopes

M. Pécsi — Genetic classification of slope sediments

T. Pippa n — Studies on grus and block deposits on mountain slopes in Austria

Discussion: R. F. Black, J. Demek, J. P. Bakker

(2) Chairmen: K. K. Markov and G. C. Maarleveld

N. R. Kar — Studies on the geomorphic characteristics and development of slopes in the periglacial zones of Sikkim and Darjeeling Himalayas

R. F. Black — Slopes in southwestern Wisconsin, U.S.A., periglacial or temperate?

Discussion: A. Rapp, R. Galon

21st September

Chairmen: J. Demek, G. Hoppe

Field study excursion: Wrocław—Mt. Słęza—Dobromierz—Jelenia Góra—Karpacz. Leader: A. Jahn, assisted by S. Szczepanikiewicz, H. Piasecki, M. Cieślńska

22nd September

Chairman: A. Rapp

Field study excursion: Karpacz—Karkonosze Range—Karpacz. Leader: A. Jahn, assisted by B. Dumianowski

23rd September

Paper session (Cracow)

(1) Chairman: A. L. Washburn

J. P. Bakker — Ideas and observations on periglacial shaping of tors in sandy granite weathering

Discussion: J. Demek, A. Dumianowski, R. Raynal

A. Pissart — Relations entre les polygones de fentes de gel et les pentes sur l'île Prince Patric (76° lat. N...) ¹

Discussion: J. Dylak, T. Gerlach, A. Jahn, V. Tufescu

R. Raynal — Mutations en cours dans la morphogénèse périglaciaire au Nord-Ouest du Spitsberg (région du Kongsfjord)

¹ Printed in the *Biuletyn Peryglacjalny*, no. 17, 1968.

(2) Chairmen: R. F. Black and E. Watson

H. Rohdenburg — Observations concerning late-glacial slope-dynamics in Central Europe

Discussion: G. Hoppe, T. Pippa n

E. Watson — The slope deposits in the Nant Iago valleys, near Cader Idris, Wales

Discussion: G. Hoppe, A. Rapp, S. Rudberg

24th September

Chairman: R. S. Waters

Field study excursion: Cracow—Myślenice—the Beskid Średni Mts.—Klikuszowa—Głodówka—Morskie Oko (the Tatras)—Zakopane. Leader: M. Klimaszewski, assisted by J. Cegła, L. Starkel, A. Kotarba

25th September

Chairmen: J. Höfermann and V. Tufescu

Field study excursion: Zakopane—Huba—Krościenko—Jawor-ki—Tylmanowa—Ostre—Lipowe—Dobra—Gruszowiec—Cracow.

Leader: M. Klimaszewski, assisted by L. Starkel, T. Ger-łach

26th September

Chairmen: S. Rudberg and J. C. F. Tedrow

Field study excursion:

(1) Cracow—Kajasówka—Częstochowa. Leader: S. Dżułyński

(2) Częstochowa—Wierzchy—Nowy Świat—Łódź. Leader: J. Dylik, assisted by B. Manikowska

27th September

Chairmen: T. L. Péwé and R. Raynal

Field study excursion: Łódź—Zielona Góra—Łódź—Teofilów—Walewice—Góra Św. Małgorzaty—Łódź. Leader: J. Dylik, as-sisted by B. Manikowska, J. S. Goździk

28th September

Paper session (Łódź)

(1) Chairmen: R. Raynal and J. P. Mielnikow.

J. Demek — Cryogene processes and the development of cryoplanation terraces.

Discussion: J. P. Bakker, B. Dumanowski, A. Jahn, S. Rudberg, A. L. Washburn, R. S. Waters

T. L. Péwé — Age of altiplanation terraces

Discussion: J. P. Bakker, J. Brown, A. Rapp, S. Rudberg, A. L. Washburn, R. S. Waters

S. Alexandre-Pyre — Conditions de formation et de conservation des glacis de piémont dans une région intertropicale (Plateau des Biano, Katanga)

Discussion: J. P. Bakker, R. Galon, K. K. Markov, R. Raynal

P. Macar — Actions périglaciaires et évolution des pentes en Belgique

Discussion: J. P. Bakker, J. Demek, J. Dylík, T. Pippan, R. Raynal, L. Starkel

(2) Chairmen: J. P. Bakker and N. R. Kar

J. Brown — Soil properties developed on the complex tundra relief of northern Alaska

Discussion: J. P. Bakker, A. Jahn

J. C. F. Tedrow & C. C. Thompson — Chemical composition of Polar soils

Discussion: J. P. Bakker, B. Dumanowski, G. Hoppe, K. K. Markov, Z. Prusinkiewicz, A. A. Velitchko

A. A. Velitchko — Milieu géologique et géomorphologique de la zone périglaciaire de la Plaine Est-européenne

Discussion: J. P. Bakker, J. Demek, J. Dylík, K. K. Markov, A. Rapp

(3) General discussion: Chairman: J. Dylík

A. L. Washburn and G. C. Maarleveld — Reporters' comments on the problems (1) and (2)

R. R. Waters and J. Hövermann — Reporters' comments on the problems (3) and (4)

P. Macar and J. Demek — Reporters' comments on the problems (5) and (7)

J. C. F. Tedrow and J. Brown — Reporters' comments on the problem (8)

The following papers were sent up to the Symposium but they were not read at the paper sessions:

J. Łyczewska — Séiments et processus quaternaires du versant crétacé de la vallée de la Basse-Nida (partie méridionale de la Pologne centrale)

J. Siuta and T. Motowicka-Terelak — The origin and systematics of ferruginous precipitates in Quaternary formations and in present-day soils

A. L. Washburn — Patterned ground in the Mesters Vig district, Northeast Greenland