

THE 70th BIRTHDAY OF ACADEMICIAN VLADIMÍR ZOUBEK



One of the most prominent Czechoslovak geologists, Academician Vladimír Zoubek is going to reach the age of 70 years on September 23rd, 1973.

Vladimír Zoubek was born in Heřmanův Městec. After having passed his leaving examination on the classical secondary school in Jindřichův Hradec he continued his studies on the Faculty of Sciences of the Charles University in Prague, where he acquired the degree of doctor of sciences in 1927.

After a three year's activity as lecturer at the Institute of Geology of the Charles University (1928—1931) he got member of the staff of the State Institute of Geology (the present Czechoslovak Geological Survey). Most of his scientific and creative works are connected with this Institute. His activity at the Institute stretches over a period of more than 30 years as one of its prominent representatives, but also as director of this Institute from 1953—1956.

Vladimír Zoubek founded in 1962 the Institute of Geology of the Czechoslovak Academy of Sciences, devoting maximum of efforts, ability and abundant experience to its creation.

The activity of Acad. Vladimír Zoubek is extraordinarily ample, varied and successful. We do not claim to give a complete picture of this activity here, but it is our duty to point out first of all his contribution to the formation and the development of the Slovak geology.

Though the major part of Vladimír Zoubek's work is connected with the geology of the Czech massif, his part on the knowledge of the geological structure of the West Carpathians is very important. That is why he is ranged to the founders of the modern Slovak geology. The outset of his research of the Carpathian crystalline complex reaches as far as the first era of his scientific activity. Immediately after having published his thesis (1927) "Injection and contact metamorphism in the environment of Pelhřimov", the importance of which from the view of understanding the genesis of rock-forming minerals has not decreased by these days, he started his systematic researches in the n.w. part of Veporské rudohorie Mts., which have been later extended to the adjacent part of Nízke Tatry Mts. This territory belongs geologically to the most interesting but at the same time to the most complicated regions of the West Carpathians with classical development of the crystalline complex. The study of these problems involved not only profound theoretical knowledge of geology and petrography from a young geologist, but also extraordinary ability for analysis and synthesis and last not least attachment for this scientific field, to which he devoted all of his life. We could hardly understand the high scientific level of his work without these attributes. We especially appreciate very much his geological map of the western part of Nízke Tatry Mts., as a height of mapping art. It remains to us a permanent source of knowledge of geological research.

Based on extensive mapping works in the region mentioned, supplemented by detailed geological research of Malé Karpaty Mts., as well as by an orientative study of other mountain ranges of the West Carpathians Vladimír Zoubek was able as soon as 1936 to point out the first synthesis on geological structure and development of the Carpathian crystalline complex. This synthesis became the basis for further research of his generation as well as the generations of Slovak geologists. Though partly overcome by further research, its role in the development of the geology of the Carpathians was extraordinarily important and its consequence namely in the classification of the crystalline complex is of permanent value.

After a short interruption caused by World War II, Vladimír Zoubek continued his systematic investigations in the s.e. part of the Vepor crystalline complex in the vicinity of its contact with the Gemerides. These studies lead to a partial change in his views on the structure of the Carpathian crystalline mass, namely on its stratigraphical division. Culmination in his research of the Western Carpathians was the synthesis offering modern and reliable fundamental ideas on the structure of the Carpathians. His works published on the Carpathians are usually not very extensive, they give nevertheless, numerous factual data, basic terminology on the geology of the crystalline complex, they illustrate basic tectonic and rock-forming processes and remained a permanent source of information as well as basis of further investigations.

Academician Vl. Zoubek besides theoretical geological research participates also in the solution of practical problems. In this field investigations on siderite mineralization of Nízke Tatry Mts. and on pyrite deposits in the region of Hľepa are known.

Not less important is the contribution of Acad. Vl. Zoubek in creating the Slovak geology and the education of young Slovak geologists. He helped to form a correct conception of work of the Geological Institute of Dionýz Štúr by sincere and permanent co-operation still as worker of the State Institute of Geology by great experience and correct understanding of science in the socialist society. Supported also by his endeavour

a net of geological institutes was established in Slovakia which enabled to create favourable conditions for the establishment of heavy industry in Slovakia by the provision of the raw material base.

We are happy to commemorate Academician Vl. Zoubek at the occasion of his anniversary also for his support in the education of young Slovak geologists. He lead the education of the first generation of specialists in the geology of crystalline complexes by post-graduate courses at the former Faculty of Geology and Geography of the Comenius University, but first of all by actual co-operation, sincere advice and aid. We would like to call this generation as Vl. Zoubek's school.

Acad. Vl. Zoubek published more than 120 original scientific papers, 30 of them from the region of the Carpathians. He is also known as the promotor of the edition of geological maps of the scale 1:200 000 of the whole territory of Czechoslovakia. At this occasion we would like to commemorate his support in the construction of maps of the territory of Slovakia.

Extraordinary professional knowledge and merits in the development of Czechoslovak geology naturally lead to his social appreciation. In 1952 he was appointed as corresponding member of the Czechoslovak Academy of Sciences, in 1953 as Laureate of Klement Gottwald State Prize, in 1962 as Academician, in 1967 as Doctor h. c. of the State Lomonosov University in Moscow, as honorary member of the Hungarian Geological Society etc. He was put in charge of important social functions owing to his reliable and responsible approach to professional problems, critical and self-critical attitude in social events and extraordinary human approach. He is e. g. Member of Board of the Czechoslovak Academy of Sciences, President of the Council of State Programme II „Cosmic Space, Earth and Utilisation of its Source“. He is also member of the Commission of the Board of the Czechoslovak Academy of Sciences for the complex research of developing countries, member of the Czechoslovak National Committee of Geology of the Czechoslovak Academy of Sciences, member of the Board of the Czechoslovak Society of International relations, member of the Czechoslovak Pugwash Committee etc.

Due to the international importance of his scientific works good knowledge of languages as well as personal qualities in geological diplomacy he was appointed into many international functions. So he is President of the International Programme of Geological Correlation, member of the Executive Committee of the International Association for Geological Research of Deep zones of the Earth crust (AZOPRO), member of the Committee for the International Tectonic Map of Europe, of the International Union of geological Sciences, corresponding member of the International Subcommission for the stratigraphy of the Precambrian.

The life anniversary of Academician Vl. Zoubek is achieved in good health, in active scientific work and in his typical life opinion and work enthusiasm and we are all extremely glad of that fact, indeed. That is why, commemorating his meritorious work devoted for the development of Czechoslovak geology, the Slovak public would like to express their best wishes for further years of fruitful work and good health.

Prof. RNDr. Jakub Kamenický

LIST OF WORKS OF ACADEMICIAN VLADIMÍR ZOUBEK ON THE GEOLOGY OF THE WEST CARPATHIANS

I. Published works

1. Geologické studie z pohoří Veporu na Slovensku. (Geological studies of the mountains of Vepor in Slovakia.) Věst. Stát. geol. úst. ČSR, 4, Praha, 1928.
2. Geologická mapa okolí Hrončoku. (Geological map of the environs of Hrončok.) Věst. Stát. geol. úst. ČSR, 4, Praha, 1928.
3. Geologické studie z koreňové oblasti subtatranské a zón sousedních jižně Podbrezové. (Geological studies of the root area of the Subatric and adjacent zones south of Podbrezová.) Věst. Stát. geol. úst. ČSR, 6, Praha, 1930.
4. Caractéristique de quelques roches cristallophyliennes et éruptives des galets exotiques des conglomérats sénoniens et paléogènes des Carpathes occidentales. Knih. Stát. geol. úst. ČSR, 13 A, Praha, 1931.
5. Les montagnes Vepor dans les environs de Podbrezová. Knih. Stát. geol. úst. ČSR, 13 A, Praha, 1931.
6. Tektonická skizka širšího okolí Brezna nad Hronom. (Tectonic sketch-map of the wider environs of Brezna nad Hronom.) Věst. Stát. geol. úst. ČSR, 7, Praha, 1931.
7. Předběžná zpráva o mapování na listě Vel. Revúca (4564). (Preliminary report about mapping on the map sheet Vel. Revúca.) Věst. Stát. geol. úst. ČSR, 8, Praha, 1932.
8. Předběžná zpráva o výzkumu východní části nízkotatranského jaderného pohoří. (Preliminary report on the investigation of the eastern part of the Nízke Tatry Core mountains.) Věst. Stát. geol. úst. ČSR, 9, Praha, 1933.
9. Tektonika Horechóni a její vztahy k vývěřům minerálních zřidel. (Tectonics of the Horechonic area and its relations to issues of mineral springs.) Věst. Stát. geol. úst. ČSR, 11, Praha, 1935.
10. Diority v okolí Bratislavy jako příklad magmatické diferencie in situ. (Diorites in the environs of Bratislava as an example of magmatic differentiation in situ.) Věda přír., 17, Praha, 1936.
11. Poznámky o krystaliniku Západních Karpat. (Remarks on the crystalline of the West Carpathians.) Věst. Stát. geol. úst. ČSR, 12, Praha, 1936.
12. Dva nálezy rud v mezozoiku Ľumbierské zóny. (Two finds of ores in the Mesozoic of the Ľumbier zone.) Věst. Stát. geol. úst. ČSR, 13, Praha, 1937.
13. Le cristallin des Carpathes tchécoslovaques. Bull. Soc. géol. France, 5e sér., 7, Paris, 1937.
14. Zpráva o přehledném mapování na listu generální mapy Banská Bystrica. (Report on reconnaissance mapping on general map sheet Banská Bystrica.) Věst. Stát. geol. úst. ČSR, 25, Praha, 1950.
15. Zpráva o geologickém výzkumu jižního svahu Nízkých Tater mezi Bystrou a Jasenou dolinou. (Report on geological investigation of the southern slopes of the Nízke Tatry between the Bystrá and Jasená dolina valleys.) Věst. Stát. geol. úst. ČSR, 26, Praha, 1951.
16. II. zpráva o výzkumu východní části nízkotatranského jaderného pohoří. (IInd report on investigation of the eastern part of the Nízke Tatry Core mountains.) Zprávy o geol. výzk. v r. 1952, Praha, 1952.
17. Předběžná zpráva o výzkumu východní části nízkotatranského jaderného pohoří. (Preliminary report on the investigation of the eastern part of the Nízke Tatry Core mountains.) Věst. Stát. geol. úst. ČSR, 28, Praha, 1953.
18. Předběžná zpráva o výzkumu oblasti západního zakončení muráuskeho příkrovu. (Preliminary report on the investigation of the area of the western termination of the Muráň nappe.) Zprávy o geol. výzk. v r. 1954, Praha, 1955.
19. Zpráva o výzkumu východní části pásma Kohúta. (Report on the investigation of the eastern part of the Kohút zone.) Zprávy o geol. výzk. v r. 1954, Praha, 1955.
20. Hranice gemerid s veporidami. (Boundaries of the Gemerides with the Veporides.) Geol. práce, 46, Bratislava, 1957.
21. Zpráva o geologických výzkumech pohoří Veporu v okolí Brusna. (Report on geological investigations of the Vepor Mts near Brusno.) Zprávy o geol. výzk. v roku 1956, Praha, 1957.
22. Zur Darstellung des Präkambriums auf der tek. Karte des Karpato-balkanischen Gebirges und der nachbargebiete. Geol. práce, Zprávy, 42, Bratislava, 1967.
23. K problému klasifikace zlomů a jejich grafického znázornění. (To the problem of classification of faults and their graphical representation.) Geol. práce, Zprávy, 47, Bratislava, 1969.

24. Vedenie v geologiiu Československa na XXII. sessii mezdinarnodnogo geol. kongresa. Nauka, Moskva, 1971.

25. Niektoré dnešné problémy stratigrafie Spišsko-gemerského paleozoika. (Some present-day problems of stratigraphy of the Spišsko-gemerské rudohorie Mts. Paleozoic.) (With O. F u s á n and M. M á š k a.) Geol. práce, Zprávy, 2, Bratislava, 1955.

26. Predběžná zpráva o výzkumu mezozoika v okolí Helfy. (Preliminary report on the investigation of the Mesozoic in the environs of Helfa.) (With A. G o r e k.) Věst. Ústř. úst. geol., 28, Praha, 1953.

27. Vysvětlivky na geologické mapě v měřítku 1 : 75 000, list Bratislava 4758. (Explanations to the geological map 1 : 75 000, map sheet Bratislava 4758.) (With J. K o u t e k.) Knih. Stát. geol. úst. ČSR, 18, Praha, 1936.

28. Zpráva o geologických studiích a mapování v okolí Bratislavy. (Report on geological studies and mapping in the environs of Bratislava.) (With J. K o u t e k.) Věst. Stát. geol. úst. ČSR, 12, Praha, 1936.

29. Predběžná zpráva o přehledném výzkume záp. části nízkotatranského jádra. (Preliminary report on reconnaissance investigation of the western part of the Nízke Tatry core.) (With D. K u b í n y.) Geol. práce, Zprávy, 9, Bratislava, 1956.

30. Tectonic Development of Czechoslovakia. (With M. M á š k a in T. B u d a y et al.) Praha, 1960.

31. Tektonický vývoj Československa. (Tectonic Development of Czechoslovakia) (With M. M á š k a in T. B u d a y et al.) Praha, 1961.

32. Zpráva o mapování styku veporid a gemerid mezi Slavoševci a Rejdovou. (Report on mapping of the contact between the Veporides and Gemerides between Slavošovce and Rejdová.) (With L. S n o p k o.) Zprávy o geol. výzk. v r. 1954, Praha, 1955.

II. Investigation reports

33. Stručný souhrn výsledků výzkumu Fe-rudních žil v okolí V. Boce za 1. polrok 1951. (Brief summary of the results of investigation of Fe-ore veins near V. Boca for the 1st half-year 1951.) Geofond, Praha, 1951.

24. Závěrečná zpráva o splnění úkolu „Kyzová ložiska oblasti Helfy v N. Tatrách“. (Final report on fulfilment of the task „Pyrite deposits of the Helfa area in the Nízke Tatry Mts.“) Geofond, Praha, 1951.

35. Postkinematické granitoidy tatraveporského intruzivního komplexu. (Post-kinematic granitoids of the Tatraveporic intrusive complex.) Geofond, Praha, 1958.

36. Stručný přehled vývoje geologického výzkumu krystalinika listu Banská Bystrica. (Brief survey of development of the geological investigation of the crystalline at map-sheet Banská Bystrica.) Geofond, Praha, 1959.

37. Výsledky zákl. a montanisticko-geologického výzkumu v jižní a severozápadní části nízkotatranského krystalinického jádra v r. 1950. (Results of fundamental and montanistic-geological investigation in the southern and northwestern part of the Nízke Tatry crystalline core in the year 1950.) (With D. A n d r u s o v and J. K o u t e k.) Geofond, Bratislava—Praha, 1951.

38. Zpráva o výsledcích geologického výzkumu kyzových ložisk u Helfy. (Report on the results of geological investigation of pyrite deposits near Helfa.) (With A. G o r e k.) Geofond, Praha, 1951.