

JUBILEE OF ACADEMICIAN BOHUSLAV CAMBEL



On 29 October 1989 Academician of the Slovak Academy of Sciences, Corresponding Member of the Czechoslovak Academy of Sciences, Professor Bohuslav Cambel will celebrate his significant jubilee — the seventieth birthday.

B. C a m b e l is native of Slovenská Ľupča. After school-leaving examination at the secondary school in Banská Bystrica he studied from 1939 to 1945 at the Faculty of Natural Sciences of the Slovak University in Bratislava. He devoted himself particularly to petrology, mineralogy, metallogeny and geochemistry and in 1948 he was awarded a degree of Doctor of Natural Sciences. Being a student, in 1943 he became assistant lecturer at the Mineralogical-Geographical Institute of the Natural Sciences Faculty of the Slovak University.

In 1953 he was appointed senior lecturer at the Faculty of Geological-Geographical Sciences of Comenius University and head of the Department of Raw Materials and Geochemistry which was established and led by him for 11 years. In 1957 he was appointed Professor of geochemistry. Under his leadership the Department changed to a significant geochemical workplace. During his 39-year activity at the Faculty he performed all important social and pedagogical duties: sub-dean (1952—1953), pro-vice-chancellor of Comenius University (1953—1957), dean (1959—1961) and, for a short time, director of the Scientific Institute of Geological-Geographical Faculty, later of Natural Sciences Faculty of Comenius University.

In 1963 the Slovak Academy of Sciences entrusted B. C a m b e l as a successful scientist and experienced organizer with establishment of Geological Institute of the Slovak Academy of Sciences, he was appointed a director of the Institute. With his firm effort he succeeded in forming the institute which gained authority and prestige not only in Czechoslovak, but also in foreign geology, from a small geological laboratory. Nowadays it has about 110 workers. *Geologický Zborník — Geologica carpathica* published at the institute became under his leadership a representative geological journal of the Carpathian region well-known also abroad.

Academician B. C a m b e l is noted for his extraordinary enthusiasm for work and ability of solving the complicated topical problems and foreseeing correctly development and needs of the science. Regardless difficulties, often to the detriment of his free time, he is fully engaged in creating values representing scientific, technical and social progress. Therefore, he has been systematically concerned about laboratory and modern technical equipment of the institute.

From 1966 to 1969 Academician B. C a m b e l was again engaged at Comenius University. He was appointed to the post of its vice-chancellor, but, at the same time, he was performing the duty of external director of Geological Institute of the Slovak Academy of Sciences. During his office of vice-chancellor, position of the University was strengthened in Czechoslovak and foreign scale and construction of the Faculty of Natural Sciences started. This fact affected development of natural sciences in Slovakia, particularly of geological departments.

In his pedagogical and research work, Academician B. C a m b e l directed his attention at geochemistry which became a modern geological discipline in the world after the 2nd world war. Therefore, in 1969 Acad. B. C a m b e l founded the Department of Geochemistry and geochemistry became an independent branch of study. Acad. B. C a m b e l led this department for 11 years. During this period about 90 geochemists graduated, about 30 graduates were awarded a degree of Doctor of Natural Sciences (RNDr.) and, later on, over 20 geochemists were awarded a research degree of Candidate of Sciences.

Academician B. C a m b e l is an example of research worker who organizes successfully research activity both at the Faculty of Natural Sciences of Comenius University and at the Slovak Academy of Sciences. He became not only founder of geochemical school in Slovakia, but he formed working teams dealing with complex geological problems. Their results completed theoretical knowledge of genesis of rocks and ores, many of them were also of practical importance. Acad. B. C a m b e l established detached Department of Raw Materials in Banská Bystrica providing within the Academy the urgent tasks of the Ore Mines and Geological Survey in central Slovakia.

Academician B. C a m b e l published alone or with his co-workers about 200 scientific and other papers. Publications concerning the Malé Karpaty Mts. region have a great research value, Acad. B. C a m b e l was awarded for them in 1975 National Prize of the Slovak Socialist Republic. Set of four monographs on geochemistry of sulphides from the Czechoslovak deposits (co-author J. J a r k o v s k ý) gained a special appraisal at home and abroad, for these monographs the both authors were awarded in 1979 Klement Gottwald State Prize. Lately, Acad. B. C a m b e l and his co-workers are engaged in research into metabasites of the Western Carpathians, problems of geochronology of the Western Carpathian crystalline complex (in cooperation with the Soviet geologists). He pays a special attention to collection of geological data and formation of bank of data. He deals with geochemistry of trace elements including rare earths and precious metals in rocks and ores. He pays much attention to petrological problems of granitoid rocks and thermodynamic problems of metamorphism of various rocks especially due to granitic plutonism.

Academician B. C a m b e l takes an active part in the work of several Czechoslovak and international geological organizations and associations. For many years he has been an active member of the Carpatho-Balkan Geological Association and Chairman of the Czechoslovak Commission on Mineralogy and Geochemistry CBGA. He organizes and secures fulfilment of bilateral agreements with geological institutes in the U.S.S.R., Poland, Hungary and other institutes in Czechoslovakia. He is well-known also abroad, especially in the U.S.S.R., since he has been developing creative personal and working contacts with several institutes affecting good scientific cooperation.

Research and organizational work of Academician B. C a m b e l was duly appraised by the society. In 1964 he was nominated Corresponding Member of the Slovak Academy of Sciences, in 1968 Corresponding Member of the Czechoslovak Academy of Sciences and in 1972 Academician of the Slovak Academy of Sciences. Comenius University and J. E. Purkyně University awarded him golden medals, Martin Luther University in Halle awarded him in 1967 memorial medal and Mineralogical Association of the Soviet Union nominated him its honorary member. In 1968 Taras Shevchenko University in Kiev awarded him a honorary doctorate.

On the occasion of the 50th anniversary of foundation of C.S.S.R., Academician B. C a m b e l was awarded Order of Labour and Memorial Medal of National Front. He is holder of the Victorious February Medal and of numerous medals awarded by the Slovak and Czechoslovak Academies of Sciences and by various institutions of the Slovak and Czech Geological Offices.

Academician B. C a m b e l can be an example and paragon for us, his contemporaries and co-workers, but especially for young generation. His optimism

and ardour have been a driving force for whole working teams. With his sensitive approach to co-workers, colleagues, subordinates, students and to people round him, Acad. B. Cambel is consolidating, uniting authority not only at his present workplaces, but also for geological public in C.S.S.R.

In the name of co-workers, graduates and students of the Natural Sciences Faculty of Comenius University, co-workers of the Slovak Academy of Sciences and whole Czechoslovak geological society, we thank Academician B. Cambel for praiseworthy work and exerted effort in favour of development of Czechoslovak geology, pedagogy at the University, education of students and doctoral candidates wishing him good health, success in work and in personal life.

Ad multos annos!

Doc. RNDr. J. Jarkovský, Dr. Sc.

Translated by O. Mišániová

LIST OF PUBLICATIONS OF ACAD. B. CAMBEL*

A. Scientific papers

- CAMBEL, B., 1985: Obsahy vzácnych zemín v horninách a možnosť využitia ich minerálnych nositeľov. Zborník II. celoštát. konf. „Akcesorické minerály a ich význam“. Domaša 14.—15. 10. 1985, pp. 1—21.
- CAMBEL, B. et al., 1985: Úloha granitoidov pri metamorfných procesoch v oblasti Malých Karpát (kontrolovateľná etapa ŠPVZ II-4-6). *Manuscript*, Geological Institute, Slov. Acad. of Sci., Bratislava.
- CAMBEL, B. — PETRIK, I. — VILINOVIČ, V., 1985: Variscan granitoids of the West Carpathians in the light of geochemical-petrological study. *Geol. Zbor. Geol. carpath.* (Bratislava), 36, 2, pp. 209—217.
- CAMBEL, B. — PLANDEROVÁ, E., 1985: Biostratigraphic evaluation of metasediments in the Malé Karpaty Mts. region. *Geol. Zbor. Geol. carpath.* (Bratislava), 36, 6 pp. 683—701.
- CAMBEL, B. — SIMÁNEK, V. — KHUN, M., 1985: Study of organic matter in black shales of the Malé Karpaty Mts. crystalline complexes. *Geol. Zbor. Geol. carpath.* (Bratislava), 36, 1, pp. 37—50.
- BURCHART, J. — CAMBEL, B. — KRÁČ, J., 1987: Isochron reassessment of K-Ar dating from the West Carpathian crystalline complex. *Geol. Zbor. Geol. carpath.* (Bratislava), 38, 2, pp. 131—170.
- CAMBEL, B., 1987: Geochémia a jej súčinnosť s mineralógiou a petrológiou. Zborník príspevků z II. celostátní konference mineralogů a petrologů „Úkoly československé mineralogie a petrologie po XVII. sjezdu KSČ“. Brno — Blansko, pp. 12—14.

* Complete literature of Academician B. Cambel was published as a supplement to his jubilee papers in *Geol. Zbor. Geol. carpath.*:

on the 50th jubilee written by Prof. Dr. C. Varček, CSc. (in German) — 20, 2, 1969, pp. 417—425;
on the 60th jubilee written by Prof. Ing. J. Babčan, DrSc. (in English) — 30, 4, 1979, pp. 395—411;
on the 65th jubilee written by Dr. E. Köhler, CSc. (in Russian) — 36, 1, 1985, pp. 117—124.

- CAMBEL, B., 1987: Stav a perspektívy výskumu stopových prvkov v rudách na Slovensku. Technicko-ekonomický spravodaj. Mineralogicko-geochemický výskum sulfidickej mineralizácie ložiska Slovinky.
- CAMBEL, B., 1987: Výsledky geochemie z posledných rokov v oblasti Západných Karpát. Zborník z II. celoštát. semin. v Mariánskej u Jáchymova (22.—26. 9. 1986). Zbor. V. diel.
- CAMBEL, B., 1987: Úlohy geochemie ako hraničnej vednej disciplíny pri súčasnom rozvoji vied a spoločenských potrieb. Zborník z II. celoštát. semin. v Mariánskej u Jáchymova (22.—26. 9. 1986). Zbor. V. diel.
- CAMBEL, B., 1989: Magmatic rock formations in the West Carpathians and their metamorphic effects. *Geol. Zbor. Geol. carpath.* (Bratislava), 40, 2, pp. 131—140.
- CAMBEL B. — KRÁL, J., 1989: Isotopic geochronology of the Western Carpathian crystalline complex: the present state. *Geol. Zbor. Geol. carpath.* (Bratislava), 40, 4, pp. 387—410.
- B. Joint papers with the authors from the U.S.S.R.**
- BAGDASARYAN, G. P. — GUKASYAN, R. KH. — CAMBEL, B. — VESELSKÝ, J., 1985: Rb-Sr izokhronnoe datirovanie granitoidov Dyumbierskoy zony Nizkikh Tatr (Zapadnye Karpaty). *Geol. Zbor. Geol. carpath.* (Bratislava), 36, 5, pp. 637—645.
- KORIKOVSKY, S. P. — CAMBEL, B. — BORONIKHIN, V. A. — PUTIŠ, M. — MIKLÓŠ, J., 1985: Fazoviye ravnovesiya i geotermometriya metapelitovykh rogovikov vokrug Modranskogo granitnogo massiva (Maliye Karpaty). *Geol. Zbor. Geol. carpath.* (Bratislava), 36, 1, pp. 51—74.
- BAGDASARYAN, G. P. — GUKASYAN, R. KH. — CAMBEL, B., 1986: Rb-Sr izokhronniy vozrast granitoidov veporskogo plutona. *Geol. Zbor. Geol. carpath.* (Bratislava), 37, 3, pp. 365—374.
- CAMBEL, B. — KORIKOVSKY, S. P., 1986: Varistskiy retrogradniy metamorfizm i alpiyskiy diaforez v kristallinikume Zapadnykh Karpat. *Geol. Zbor. Geol. carpath.* (Bratislava), 37, 3, pp. 335—363.
- CAMBEL, B. — KORIKOVSKY, S. P. — KRASIVSKAYA, I. S. — ARAKELIANTS, M. M., 1986: Opredeleniye vozrasta retrogradnogo metamorfizma v Zapadnykh Karpatakh K-Ar metodom po muskovitam. *Geol. Zbor. Geol. carpath.* (Bratislava), 37, 3, pp. 375—384.
- BIBÍKOVA, E. V. — CAMBEL, B. — KORIKOVSKY, S. P. — BROSKA, I. — GRACHEVA, T. V. — MAKAROV, V. A. — ARAKELIANTS, M. M., 1987: U-Pb and K-Ar isotopic dating of Sinec (Rimavica) granites (Kohút zone of Veporides). *Geol. Zbor. Geol. carpath.* (Bratislava), 39, 2, pp. 147—158.
- CAMBEL, B. — BAGDASARYAN, G. P. — GUKASYAN, R. KH. — DUPEJ, J., 1988: Age of granitoids from the Kohút Veporid zone according to Rb-Sr isochrone analysis. *Geol. Zbor. Geol. carpath.* (Bratislava), 39, 2, pp. 131—146.
- SHCHERBAK, N. P. — BARTNITSKY, E. N. — MITSKIEVICH, N. YU. — STEPANIUK, D. M. — CAMBEL, B. — GREČULA, P., 1988: U/Pb radiometricheskoe opredeleniye vozrasta tsirkonov iz Modranskogo granodiorita Malyykh Karpat i porfiroida nizhnego paleozoya Spishsko-gemerskogo rudogorya (Zapadnye Karpaty). *Geol. Zbor. Geol. carpath.* (Bratislava), 39, 4, pp. 427—436.
- CAMBEL, B. — BAGDASARYAN, G. P. — GUKASYAN, R. KH. — VESELSKÝ, J., 1989: Rb-Sr geochronology of leucocratic granitoid rocks from the Spišsko-gemerské rudohorie Mts. and Veporicum. *Geol. Zbor. Geol. carpath.* (Bratislava), 40, 3, pp. 323—332.
- CAMBEL, B. — KORIKOVSKY, S. P. — MIKLÓŠ, J. — BORONIKHIN, V. A., 1989: Ca-silicate hornfelses (erlans and Ca-skarns) in the Malé Karpaty Mts. region. *Geol. Zbor. Geol. carpath.* (Bratislava), 40, 3, pp. 281—304.
- C. Books and monographs**
- CAMBEL, B. — JARKOVSKÝ, J. et al., 1985: Rudnianske rudné pole — geochemicko-metalogenetická charakteristika. *VEDA*, vydavateľstvo SAV, Bratislava, 365 pp.
- CAMBEL, B. — VILINOVIČ, V., 1987: Geochemia a petrológia granitoidných hornín Malých Karpát. *VEDA*, vydavateľstvo SAV, Bratislava, 248 pp.
- CAMBEL, B. — KRÁL, J. — BURCHART, J., in press: Izotopová geochronológia kryštalinika Západných Karpát s katalógom údajov. Ed. *Náuka o Zemi a vesmíre*, VEDA, vydavateľstvo SAV, Bratislava.

- CAMBEL, B. — MEDVEĎ, J. — TIMČÁK, G. — ČULMANOVÁ, Z., in press: Geochemická databanka. *Miner. slov.* (Spišská Nová Ves), ed. monogr.
- CAMBEL, B. — VESELSKÝ, J. — KHUN, M. — MIKLÓŠ, J., in press: Geochémia a petrológia ílovito-kremitých metamorfovaných hornín kryštalinika Malých Karpát. Ed. *Náuka o Zemi a vesmíre*, VEDA, vydavateľstvo SAV, Bratislava.

D. Reports, reviews, jubilees

- CAMBEL, B., 1985: Zum 65. Geburtstag von Univ. Prof. RNDr. Vojtech Zorkovský. *Geol. Zbor. Geol. carpath.* (Bratislava), 36, 6, pp. 755—758.
- CAMBEL, B., 1988: To the jubilee of RNDr. Marie Palivcová, CSc. *Geol. Zbor. Geol. carpath.* (Bratislava), 39, 5, pp. 629—631.
- CAMBEL, B., 1988: Review — M. Koděra et al. (ed.): Topographic mineralogy of Slovakia — 1st volume. *Geol. Zbor. Geol. carpath.* (Bratislava), 39, 5, pp. 637—638.
- CAMBEL, B., 1988: Review — J. Stelcl — J. Weiss et al. (eds.): Brno Massif. *Geol. Zbor. Geol. carpath.* (Bratislava), 39, 5, pp. 638—639.
- CAMBEL, B., 1989: Doc. RNDr. Ján Jarkovský, DrSc. — seventy years old. *Geol. Zbor. Geol. carpath.* (Bratislava), 40, 6, (in press).
- CAMBEL, B., 1989: Over the death of Dr. J. Čadek, CSc. on the eve of his 60th birthday. *Geol. Zbor. Geol. carpath.* (Bratislava), 40, 4, pp. 508—509.