

AK 2948

Contents

FOREWORD

David **ULIČNÝ** <1>

8TH MEETING OF THE CZECH TECTONIC STUDIES GROUP / 1ST MEETING OF THE CENTRAL EUROPEAN TECTONICS GROUP, HRUBÁ SKÁLA CHATEAU, CZECH REPUBLIC, APRIL 24–27, 2003

Paweł **ALEKSANDROWSKI**, Marian **KIELT**, Leszek **KUROWSKI**, Krzysztof **MASTALERZ**, Stanisław **MAZUR**, Józef **NOWAK** and Piotr **PASEK**

Preliminary Results of Applying Dipmeter Data to Structural Study of the Carboniferous Fold-Thrust Belt Underlying the Fore-Sudetic Homocline, SW Poland <13>

Janusz **BADURA**, Witold **ZUCHIEWICZ**, Adam **GÓRECKI**, Waldemar **SROKA**, Bogusław **PRZYBYLSKI** and Marta **ŻYSZKOWSKA**

The Sudetic Marginal Fault, SW Poland, in the Light of Morphometric Studies <13>

Lenka **BARATOUX**, Pavla **ŠTÍPSKÁ** and Karel **SCHULMANN**

Microstructures, Deformation Mechanisms and Rheology of Metagabbros Deformed in Different Thermal Gradients. <14>

Joanna **BEYER**

Petrography and Succession of Granitoids from the Southern Part of the Strzelin Crystalline Massif (SW Poland) – Preliminary Data <15>

Miroslav **BIELIK**, Jozef **VOZÁR**, Ján **ŠEFARA**, Michal **KOVÁČ**, Vladimír **BEZÁK**, Dušan **PLAŠIENKA** and Jana **DÉREROVÁ**

Deep Structure and Geodynamics of the Carpathian Lithosphere Based on Geophysical Study <16>

Alena **BOUŠKOVÁ**, Josef **HORÁLEK**, Tomáš **FISCHER** and Zuzana **HUDOVÁ**

West Bohemia/Vogtland Region in View of Local Seismic Signals <17>

Jana **BRANDOVÁ** and František V. **HOLUB**

Peridotite Xenoliths from the České Středohoří Mts.: Contribution to Petrology of the Lithospheric Mantle beneath Northern Part of the Bohemian Massif <18>

David **BURIÁNEK**, Jan **FILIP** and Milan **NOVÁK**

Tourmalines of the Metabasite Zone, Brno Batholith <19>

Stanisław **BURLIGA**

Recrystallization Features in Rock Salt from Polish Zechstein Basin – Preliminary Results of Investigations <20>

Stanisław **BURLIGA**, Hemin A. **KOYI** and Piotr **KRZYWIEC**

Decoupling of Deformation between Basement and Cover during Normal- to Reverse-slip Movement on a Basement Fault; Model Results <20>

Ondřej **ČADEK**

Dynamic Topography: A Key to Understanding how the Earth's Mantle works? <21>

Václav **ČERV**, Josef **PEK**, Maxim **SMIRNOV**, Tomasz **ERNST**, Vladimír **SEMENOV** and Krzysztof **NOWOZYNSKI**

EMTESZ – First Electromagnetic Probing of the Trans-European Suture Zone <22>

Renata **ČOPJAKOVÁ** and Petr **SULOVSKÝ**

Detrital Cr-spinels in Culm Sediments and their Tectonic Significance <22>

Petr **DOBEŠ**, Gyula **MAROS**, Klára **PALOTÁS**, Balázs **KOROKNAI** and Eniko **SALLAY**

Fluid Inclusion Planes vs. Fracturing in PTP-3 Borehole at Podlesí Granite Stock (Krušné hory Mts., Czech Republic) <23>

Vojtěch **ERBAN**, Vojtěch **JANOUSEK**, Colin **FARROW** and Jakub **ŠMÍD**

Geochemical Data Toolkit (GCDkit): a Key for Magmatic Geochemists to the Treasury of Data Analysis, Statistics and Graphics in R <25>

Shah Wali **FARYAD**

Composition of Fluids and their Effect on Stability Fields of Silicate Minerals in Amphibolite Facies Metamorphic Rocks <26>

Jan **FRANĚK**, Karel **SCHULMANN**, Ondřej **LEXA** and Stanislav **ULRICH**

Exhumation of the Blanský Les Granulite Massif as a Result of Oblique Thrusting and Crustal-Scale Buckling <27>

- Ota **FRANK**, Jan **JEHLIČKA** and Věra **HAMPLOVÁ**
Search for Fullerenes in Rocks from Ries Impact Crater <28>
- Petr **FERBAR**, Jiří **JANEČKA** and Rostislav **MELICHAR**
Some Aspects of the Barrandian Tectonics – Preliminary Results <29>
- Helena **GILÍKOVÁ**, Jaromír **LEICHMANN** and František **PATOČKA**
Early Palaeozoic Clastic Sediments Found in Boreholes from the SE Surroundings of Brno (Czech Republic) <30>
- Jan **GOLONKA**, Nestor **OSZCZYPKO**, Tomasz **MALATA**, Paweł **POPRAWA**, Michał **KROBICKI** and Tadeusz **SŁOMKA**
Geodynamic Evolution Stages in the Outer Carpathians <31>
- Jan **GOLONKA** (reporter), Marek **LEWANDOWSKI**, Andrzej **ŻELAŻNIEWICZ** and the Orava Deep Drilling Project Scientific Committee
European Suture in the Carpathians and the Scientific Problems of the Orava Deep Drilling Project <32>
- Dagmar **GREGOROVÁ**, František **HROUDA** and Milan **KOHÚT**
Magnetic Fabric of the Velká Fatra Mts. Granitic Pluton – A Pilot AMS Study <34>
- Radomír **GRYGAR** and Jan **JELÍNEK**
Upper Morava and Nysa Pull-apart Grabens: Implication for Neotectonic Dextral Transtension on Sudetic Faults System <35>
- Aleksandra **GRZEŚKOWIAK**
On the Mineralogy and Origin of the Śnieżnik versus Gieraltów Gneisses, Międzygórze Unit, OSD, West Sudetes <36>
- Jacek **GUTOWSKI**, Piotr **KRZYWIEC** and Władysław **POŻARYSKI**
From Extension to Inversion – Sedimentary Record of Mesozoic Tectonic Evolution within the Marginal Fault Zone, SE Mid-Polish Trough <38>
- Jakub **HALODA**, Patricie **TÝCOVÁ**, Petr **JAKEŠ** and Zdeněk **ŘANDA**
New Saharan Find: Arondrite of Lunar Origin <39>
- Pavel **HANŽL**, Miroslav **REJCHRT** and Orolzodmaa **OTGONBAYAR**
Dip-Slip Tectonics in the Lower Devonian Rocks of the NW Edrengyin Nuruu, SW Mongolia <40>
- Pavlna **HASALOVÁ**, Karel **SCHULMANN**, Ondrej **LEXA** and Jakub **HALODA**
Development of the Gföhl Migmatites through Partial Melting and Textural Annealing of High-Grade Orthogneiss <41>
- Josef **HAVÍŘ**
Problem of Stress Analysis in the Nový Kostel Area (W Bohemia): Influence of Various Geometries of Active Faults <42>
- František V. **HOLUB**
Two Genetic Types of Ocelli in Some Mafic Rocks from the Central Bohemian Plutonic Complex: No Room for Transformistic Speculations <43>
- František V. **HOLUB**, Dobroslav **MATĚJKA** and Friedrich **KOLLER**
Dioritic and Gabbroid Rocks from Southern Bohemia and Lower Austria: Geochemical and Mineralogical Constraints on their Role in Genesis of the South Bohemian (Moldanubian) Batholith <44>
- Michaela **HORKÁ**, Jan **KOŠLER** and Paul **SYLVESTER**
Li Isotopic Composition of Arc-Related Lavas from Viti Levu, Southern Fiji <45>
- František **HROUDA**, Marta **CHLUPÁČOVÁ** and Martin **CHADIMA**
Magnetic Susceptibility as an Indicator of Tectonic Setting of Granitic Rocks of the Bohemian Massif <45>
- Jiří **JANEČKA** and Rostislav **MELICHAR**
Confirmed Transtensional Slip in the Area of the Svratka Anticline <46>
- Pavla **HRUBCOVÁ** and **CELEBRATION 2000 Working Group**
CELEBRATION 2000: P-Wave Velocity Models of the Bohemian Massif <46>
- Vojtěch **JANOUŠEK**, František V. **HOLUB** and Axel **GERDES**
K-rich Magmatism in the Moldanubian Unit, Bohemian Massif – a Complex Story Featuring Variably Enriched Lithospheric Mantle Melts and their Interaction with the Crust <48>
- Mirosław **JASTRZEBSKI**
P-T-d Evolution of Marbles and Mica Schists in the Krowiarki Range, the Łądek-Śnieżnik Metamorphic Unit, West Sudetes <49>

- Petr **JEŘÁBEK**, Karel **SCHULMANN**, Ondrej **LEXA** and Jakub **HALODA**
The Rheological Parameters Controlling Asymmetrical Cretaceous Extensional Process in the Vepor unit, West Carpathians <50>
- Václav **KACHLÍK**, František **PATOČKA** and Miroslav **FAJST**
The Variscan Nappe Tectonic in the Ještěd Range and Jizera Gneiss Units: an Example of Juxtaposition of the Autochthonous and Allochthonous Domains in the West Sudetes <52>
- Milan **KOHÚT** and Adam **PIECZKA**
Ammonium Content in the Hercynian Granites of the Western Carpathians and its Petrogenetic Significance <53>
- Jiri **KONOPASEK**, Stephan **KRÖNER**, Shawn-Leslie **KITT**, Cees **PASSCHIER**, Alfred **KRÖNER** and Karl-Heinz **HOFMANN**
Oblique Collision and the Evolution of Large-Scale Transcurrent Shear Zones in the Neoproterozoic Kaoko Belt (NW Namibia) <54>
- Jan **KOŠLER** and Hege Cathrine **FONNELAND**
U-Pb Dating of Detrital Zircons by Laser Ablation ICPMS for Sedimentary Provenance Studies <55>
- Monika **KOŠULIČOVÁ**, Pavla **ŠTÍPSKÁ**, Jakub **HALODA** and Karel **SCHULMANN**
Structural and Metamorphic Evolution of the Southern Termination of the Desná Dome in the Silesian Domain <56>
- Jana **KOTKOVÁ**, Rostislav **MELICHAR** and Jitka **POKORNÁ**
The Story of Bory Granulites – Early Thoughts <57>
- Martin **KOVÁČIK**
Petrogenesis of Associated Metaferrolites and Graphitic Metaquartzites (Southern Veporicum Basement, Slovakia) <58>
- Wiesław **KOZDRÓJ**
Metabasites from the Polish Part of the Andělská Hora Formation (Moravo-Silesian Zone): Geochemistry, Metamorphic History and Geotectonic Meaning <59>
- Wiesław **KOZDRÓJ** and Zbigniew **CYMERMAN**
Alpine Tectonic Inversion – Principal Mechanism of the Variscan Basement Uplift and Exhumation in the Sudety Mts. <59>
- Zuzana **KRATINOVA**, Karel **SCHULMANN**, Ondrej **LEXA** and František **HROUDA**
Magmatic Fabric Pattern of the Land's End Granite (SW England): Comparative Study of AMS and Feldspar Pheno-crysts Tensors <60>
- Piotr **KRZYWIEC**
Structural Styles of Basin Formation and Inversion – Introduction <61>
- Piotr **KRZYWIEC** and Regina **KRAMARSKA**
Late Cretaceous Strike-slip Tectonics and Sedimentation within the SW Baltic Sea and Their Relationship to the Inversion of the Mid-Polish Trough <62>
- Piotr **KRZYWIEC**, Barbara **RYZNER-SIUPIK**, Janusz **SIUPIK** and Zenon **BORYS**
Miocene Reactivation of the Inherited Foreland Fault Zones and Its Influence on Development of the E Polish Carpathian Foredeep Basin <63>
- Piotr **KRZYWIEC** and Stanisław **WYBRANIEC**
Role of the SW Margin of the East European Craton During the Mid-Polish Trough Mesozoic Development and Inversion – Integration of Seismic and Potential Field Data <64>
- Jan **KUČERA**, Klára **CHARVÁTOVÁ**, Jindřich **HLADIL** and Marek **SLOBODNÍK**
Hydrothermal Mineralization in the Moravian Karst near Býčí Skála Cave: Post-Variscan Deformation History? <66>
- Peter **LABÁK**, Peter **MOCZO**, Michal **KOVÁČ**, Miroslav **BIELIK** and Martin **ŠUJAN**
Seismotectonic Model for Probabilistic Seismic Hazard Assessment of Critical Facilities in Western Slovakia <67>
- Jiří **LAURIN** and David A. **WALTHAM**
Climatic vs. Tectonic Controls on a Shallow-Water Hemipelagic Carbonate System (Turonian of Western Bohemia) <69>
- Jaroslav **LEXA**
Geotectonic Aspects of Orogenic Volcanism <70>
- Jitka **LIBERTÍNOVÁ**, Jan **KOŠLER**, Michal **KUČERA** and Paul **SYLVESTER**
Li Isotopic Composition of Planktonic Foraminiferal Tests and their Host Sediments from ODP 926A <70>

- Matěj **MACHEK**, Ondrej **LEXA** and Karel **SCHULMANN**
New Progress in Deciphering Structural and Metamorphic Evolution of the Vepor Basement in West Carpathians <71>
- Stanisław **MAZUR**, Leszek **KUROWSKI**, Paweł **ALEKSANDROWSKI** and Andrzej **ŻELAŻNIEWICZ**
Variscan Foreland Fold-Thrust Belt of Wielkopolska (W Poland): New Structural and Sedimentological Data <71>
- Petr **MIXA**, Kristýna **BURIÁNKOVÁ**, Karel **MALÝ** and Jaromír **LEICHMANN**
The Carbonatization of Blastomylonites – an Example from the Oskava Block, Jeseníky Mts. <73>
- Petr **MIXA**, Vladimír **ŽÁČEK**, Josef **VEČEŘA**, Jaroslav **AICHLER**, Daniel **NÝVLT**, Vratislav **PECINA** and Zuzana **SKÁ-CELOVÁ**
The Project of Geological Mapping 1:25,000 in the Jeseníky Mts. – its Outputs and Products <74>
- Bedřich **MLČOCH**
Character of the Contact between the Saxothuringian and Teplá-Barrandian Unit <75>
- Štěpánka **MRÁZOVÁ**
Effect of Elemental Composition of Fe-Ti Oxides on their Thermomagnetic Curves <76>
- Mentor **MURTEZI**
P-T Pseudosections, Zoned Garnets and Structural Records from two Structurally Different Mica Schists of the Stronie Formation in the Orlica-Šniežnik Dome <76>
- Radmila **NAHODILOVÁ**, Pavla **ŠTÍPSKÁ**, Karel **SCHULMANN**, Jakub **HALODA** and Ondrej **LEXA**
Structure and Episodic Tectonic Evolution of the Lower Crustal Accretionary Wedge: in Moldanubian Zone, Austria <77>
- Slavomír **NEHYBA**, František **HUBATKA** and Jan **ŠIKULA**
Structural Configuration and Lithofacies of the Southeastern Part of the Carpathian Foredeep Basin as Defined by Subsurface Data <78>
- Stanislav **OPLUŠTIL**
Tectonics and Paleotopography as the Main Controls on Drainage Pattern and Architecture of the Radnice Member in the Kladno-Rakovník Basin (Westphalian, Carboniferous) <79>
- Zbigniew **PAUL**, Jan **GOLONKA**, Antoni **WÓJCIK** and Andrei **KHUDOLEI**
The Iapetus Ocean, Rheic Ocean and Avalonian Terranes in Central Asia <79>
- Vratislav **PECINA**, Jaroslav **AICHLER**, Petr **MIXA**, Marta **CHLUPÁČOVÁ**, Pavel **HANŽL**, Vladimír **ŽÁČEK** and Dávid **WILÍMSKÝ**
Metadolerites of the Vrbno Group and their Origin, the Jeseníky Mts. <80>
- Dušan **PLAŠIENKA**
The Western Carpathians – 200 Ma Record of Continuing Convergence <82>
- Jaroslava **PLOMEROVÁ**, Luděk **VECSEY**, Vladislav **BABUŠKA**, Michel **GRANET** and Ulrich **ACHAUER**
Seismic Velocity Structure of Mantle Lithosphere Beneath the Bohemian Massif <83>
- Ivan **POUL** and Rostislav **MELICHAR**
Brittle Deformation of the Ernstbrunn Limestone (Jurassic) of the Pavlov Hills <84>
- Martin **RACEK**, Pavla **ŠTÍPSKÁ**, Karel **SCHULMANN** and Jakub **HALODA**
Structural and Metamorphic Evolution of Pro-Wedge Moldanubian Structures Associated with Underthrusting of Bruno-vistulian Foreland <85>
- Michal **RAJCHL**, David **ULIČNÝ** and František **HUBATKA**
Syn- and Post-Sedimentary Tectonics of the Most Basin (Ohře Rift, Czech Republic); Insights from Reflection-Seismic Data <86>
- Michal **RAJCHL**, David **ULIČNÝ**, Karel **MACH** and František **HUBATKA**
Large-Scale Stratigraphic Geometries in a Rift-Margin, Lacustrine Delta System Influenced by Peat Compaction: Comparison of Field and Reflection Seismic Data (the Miocene Bilina Delta, Ohře Rift, Czech Republic) <87>
- Vladislav **RAPPRICH**
Succession of Lava Flows of Úhošť Hill in Relation to the History of Magma Reservoir <88>
- Marta **RAUCH**
The Direction of Thrusting of the Silesian Nappe (Polish Segment of the Outer Carpathians) <90>
- Jiří **REZ** and Rostislav **MELICHAR**
Outline of the 3D Structure in the Mokrý Quarries <90>

- Krzysztof **SADOWSKI** and Stanisław **MADEJ**
Preliminary Data on Mafic Rocks from the Kotusz-1 Borehole (Western Part of the Polish Rotliegend Basin) <91>
- Jiří **SEDLÁK**, Oldřich **KREJČÍ**, Jan **MRLINA**, Ivan **GNOJEK**, František **HUBATKA** and Josef **ŠRÁMEK**
New Geophysical Contributions to the Geological Structure of the Contact Zone of the Bohemian Massif and the West Carpathians <93>
- Jan **ŠAFANDA** and Čestmír **TOMEK**
Lithospheric Temperature Response to Magmatic Processes in West Bohemia <93>
- Karel **SCHULMANN** and Jean-Bernard **EDEL**
Hydraulic Fracturing Control of Melt Migration in Pervasively Molten and Deformed Crust: AMS Fabric Study, Central Vosges <94>
- Radek **ŠKODA**, Milan **NOVÁK** and Julie B. **Selway**
Tourmaline from the NYF Pegmatites in the Třebíč Durbachite Massif <95>
- Jiří **SLÁMA**, Václav **KACHLÍK** and Jan **KOŠLER**
Neoproterozoic Metaconglomerates of the Sedlčany–Krásná Hora Metamorphic Islet <96>
- Aleš **ŠPIČÁK**, Václav **HANUŠ** and Jiří **VANĚK**
Earthquake Occurrence as a Tracer of Magmatic Activity under the Earth's Surface <98>
- Wojciech **STAWIKOWSKI** and Diether **RHEDE**
Mineralogical Diversity of Felsic Rocks at Contacts with Eclogites in the Orlica–Śnieżnik Dome, West Sudetes <98>
- Pavla **ŠTÍPSKÁ**, Karel **SCHULMANN**, Alfred **KRÖNER** and František **HROUDA**
A Mechanism for Syn-Convergent Exhumation of HP Granulites in the Bohemian Massif, Czech Republic: Geochronological, Structural and Petrological Constraints <100>
- Pavla **ŠTÍPSKÁ**, Karel **SCHULMANN**, Stanislav **ULRICH**, Petr **ŠPAČEK** and Ondrej **LEXA**
Quantitative Textural and Microstructural Study of Orthogneiss Deformed during Continental Underthrusting <100>
- Jacek **SZCZEPAŃSKI**
Metamorphic Record in the Metasediments from the Bystrzyckie Mts., West Sudetes <101>
- Lucie **TAJČMANOVÁ** and Jiří **KONOPÁSEK**
The Role of Zinc in Stabilization of Spinel-Bearing Mineral Assemblages – Examples from the Bohemian Massif and NW Namibia <102>
- David **ULIČNÝ**, Lenka **ŠPIČÁKOVÁ** and Stanislav **ČECH**
Changes in Depositional Style of an Intra-Continental Strike-Slip Basin in Response to Shifting Activity of Basement Fault Zones: Cenomanian of the Bohemian Cretaceous Basin <103>
- Stanislav **ULRICH**, Alan B. **THOMPSON**, Karel **SCHULMANN** and Martin **CASEY**
Influence of Initial Grain Size on Microstructural Stability and Rheology of a Dynamically Recrystallized Polycrystalline Marble as a Case Study <105>
- Leoš **VALIGURSKÝ** and Stanislav **ČECH**
A Model of the Morphotectonic Development of the Ústecká Brázda Furrow <106>
- Kryštof **VERNER**, Karel **SCHULMANN** and František **HROUDA**
Relationship of Emplacement of the Jihlava Pluton to the Structural Evolution and Tectonics of the Eastern Part of the Moldanubian Zone (Bohemian Massif) <107>
- Jan **VÍT**, Pavla **PETROVÁ** and Jiří **OTAVA**
Paleontological and Sedimentological Evidence of NW–SE-Striking Faults in the Northern Vicinity of Brno <108>
- Jurand **WOJEWODA**
“Gilbert Type Delta” versus “Accumulation Terraces” Models and Their Application to Middle Turonian-Early Coniacian Sedimentary Setting in the Intrasudetic Basin: a Discussion <109>
- Jurand **WOJEWODA** and Stanisław **BURLIGA**
Shear Zones in Unconsolidated Deposits as Indicators of Synsedimentary Tectonic Movements <110>
- Irena **WOJCIECHOWSKA**, Małgorzata **ZIÓLKOWSKA-KOZDRÓJ** and Piotr **GUNIA**
Acid Meta-Volcanic Rocks from Konradów Area (Stronie Series, Orlica – Śnieżnik Dome): Petro-Structural and Geochemical Characteristic <111>
- Eliška **ŽÁČKOVÁ**, Pavla **ŠTÍPSKÁ** and Karel **SCHULMANN**
Fan-Like Structure in Central Part of the Śnieżnik Dome – A Result of Episodic Exhumation <112>

Jiří **ŽÁK** Karel **SCHULMANN** and František **HROUDA**

Multiple Fabric Patterns and Emplacement Mechanisms of a Composite Batholith: A Result of Polyphase Tectonic Evolution of Continental Magmatic Arc (Central Bohemian Batholith, Bohemian Massif) <112>

Jiří **ŽÁK** and Scott R. **PATERSON**

Physical Processes Along Internal Boundaries In An Continental Arc Magma Chamber: Tuolumne Batholith, Central Sierra Nevada, California (USA) <113>

Prokop **ZÁVADA**, Karel **SCHULMANN**, Ondrej **LEXA** and Jiří **KONOPÁSEK**

Quartz and Feldspar Rheology Contrasts under Natural Thermal and Strain Gradients: A Comparative Study <114>

Andrzej **ŻELAŻNIEWICZ** and Izabella **NOWAK**

The Northern Part of the Izera-Karkonosze Block: Fragment of the Saxo-Thuringian Passive Margin <115>

Andrzej **ŻELAŻNIEWICZ**, Dirk **MARHEINE** and Teresa **OBERC-DZIEDZIC**

Metamorphism and Deformation in the Variscan Foreland: Isotopic and Structural Evidence from the Wolsztyn-Leszno Phyllites, Wielkopolska, Poland <117>

Witold **ZUCHIEWICZ** and Nguyen Quoc **CUONG**

Morphotectonic Properties Of Young Active Strike-slip Faults In Northern Vietnam <118>

8TH MEETING OF THE CZECH TECTONIC STUDIES GROUP / 1ST MEETING OF THE CENTRAL EUROPEAN TECTONICS GROUP, HRUBÁ SKÁLA CHATEAU, CZECH REPUBLIC, APRIL 24–27, 2003: EXCURSION GUIDE

Jakub **ŠMÍD**, Karel **SCHULMANN** and František **HROUDA**

DAY 1: Contrasting Flow Fabrics of Phonolite and Trachyte Domes and Implication to their Emplacement Mode: Example from České Středohoří Mts. – North Bohemia <123>

Zvon (about 1 Hour of Walk and Observations) <129>

Dome Hradiště u Habří (2–3 Hours Walk, 4–5 Sites of Detailed Observations) <129>

Phonolite s.s. Dome Bořeň (1 Hour of Walk and Observations) <131>

David **ULIČNÝ**, Stanislav **ČECH** and Radomír **GRYGAR**

DAY 2: Tectonics and Depositional Systems of a Shallow-Marine, Intra-Continental Strike-Slip Basin: Exposures of the Český Ráj Region, Bohemian Cretaceous Basin <133>

Stop 1b: Hrubá Skála, Mountaineers Monument <142>

Stop 1c: Hrubá Skála, Prachovna <142>

Stop 2: Střeleč Quarry (Eximos Sklopisek Střeleč, a.s.) <142>

Deformation of Cretaceous Sediments in the Lužice Fault Zone, Malá Skála (Field Trip Stop 3) <145>

7TH MEETING OF THE CZECH TECTONIC STUDIES GROUP, ŻELAZNO, POLAND, MAY 9–12, 2002

Paweł **ALEKSANDROWSKI**

Structural Geology and Sedimentology from Dipmeter Data: the Power of Wireline Logging <153>

ALP 2002 and SUDETES 2003 Organizing Committee (Ewald **BRUECKL**, Marek **GRAD**, Aleksander **GUTERCH**, Pavla **HRUBCOVÁ** and Aleš **ŠPIČÁK**)

Projects ALP 2002 and SUDETES 2003 – Continuation of 3D Refraction Seismic Experiments in Central Europe <154>

David **BURIANEK** and Milan **NOVAK**

Tourmaline-Bearing Leucogranites from the Třebíč Pluton in the Moldanubicum <155>

Dagmar **GREGOROVÁ**, Milan **KOHÚT** and František **HROUDA**

Tectonic Environment and Magnetic Susceptibility of the West Carpathian Granites <156>

Pavčina **HASALOVÁ** and Karel **SCHULMANN**

Development of the Gföhl Migmatites through Partial Melting and Textural Annealing of High-Grade Orthogneiss via Process of Disintegration of Solid State Texture <157>

František V. **HOLUB** and Jerzy **ŻABA**

Geochemical Variability of the Kłodzko – Złoty Stok Massif: Possible Role of Multiple Mafic End-Members of Hybrid Granitoids <158>

Miroslav **HROZA** and Rostislav **MELICHAR**

Generalized Angelier-Mechler's/Arthaud's Method <159>

Mariusz O. **JĘDRYSEK** and Anita **WEBER-WELLER**

A Record of Oceanic and Continental Stages in Evolution of the Sudetic Ophiolites – New Evidence from Stable Isotope Composition of Silicate Minerals <160>

7th MEETING OF THE CZECH TECTONIC STUDIES GROUP, ŻELAZNO, POLAND, MAY 9–12, 2002: EXCURSION GUIDE

Marek **AWDANKIEWICZ**, Leszek **KUROWSKI**, Krzysztof **MASTALERZ** and Paweł **RACZYŃSKI**

The Intra-Sudetic Basin – a Record of Sedimentary and Volcanic Processes in Late – to Post-Orogenic Tectonic Setting <165>

Stop 1. Miskowice; Natural Outcrop Northwestwards from the Village (Fig. 12) <175>

Stop 2. Kamienna Góra; old quarry in the SW part of the town (Fig. 12) <177>

Stop 3. Czadrówek near Kamienna Góra; Abandoned Quarries on the Southern Slopes of Łysina Hill (Fig. 12) <178>

Stop 4. Okrzeszyn; Abandoned Quarry North of the Okrzeszyn Village (Figs. 6 and 12) <180>

Stop 5. Tłumaczów; Quarry of Trachyandesites (Fig. 12). <182>