

# Contents

KTB - How It All Began E. ALTHAUS.....	1
The Crustal Structure at the KTB Drill Site, Oberpfalz K. WEBER and A. VOLLBRECHT.....	5
The Geological Framework of the KTB Drill Site, Oberpfalz W. FRANKE.....	37
Geochronology of the Moldanubian-Saxothuringian Transition Zone, Northeast Bavaria B.T. HANSEN, S. TEUFEL and H. AHRENDT.....	55
Geochemical Characteristics of Metabasites in Different Tectonic Units of the Northeast Bavarian Crystalline Basement M. OKRUSCH, E. SEIDEL, U. SCHÜSSLER and P. RICHTER.....	67
Metallogenetic Evolution at the Saxothuringian-Moldanubian Plate Boundary in the Mid-European Variscides H. DILL.....	81
Oberpfalz Deep Seismic Reflection Survey and Velocity Studies J. SCHMOLL, R. BITTNER, H.-J. DÜRBAUM, T. HEINRICH, R. MEISSNER, C. REICHERT, T. RÜHL and H. WIEDERHOLD.....	99
Crustal Structure in the Surroundings of the KTB Drill Site as Derived from Refraction and Wide-Angle Seismic Observations H. GEBRANDE, M. BOPP, P. NEURIEDER and T. SCHMIDT.....	151
Processing of Reflection-Seismic Data in the DEKORP Processing Center, Clausthal M. STILLER and R. THOMAS.....	177
Electrical Resistivity Studies in the Vicinity of the KTB Drill Site, Oberpfalz V. HAAK.....	223
Petrography and Petrology of the KTB Location Schwarzwald W. WIMMENAUER, H. KLEIN, H. MÜLLER and R. STENGER.....	243
Structural and Basement Evolution in the Central Schwarzwald Gneiss Complex T. FLÖTTMANN and G. KLEINSCHMIDT.....	265
Ore and Mineral Deposits of the Schwarzwald K. v. GEHLEN.....	277
Near-Vertical and Wide-Angle Seismic Surveys in the Schwarzwald E. LÜSCHEN, F. WENZEL, K.-J. SANDMEIER, D. MENGES, TH. RÜHL, M. STILLER, W. JANOTH, F. KELLER, W. SÖLLNER, R. THOMAS, A. KROHE, R. STENGER, K. FUCHS, H. WILHELM and G. EISBACHER.....	297

VIII

Compressional and Shear-Wave Velocity Models of the Schwarzwald Derived from Seismic Refraction Data D. GAJEWSKI.....	363
Electrical Resistivity Studies at the KTB Location Schwarzwald A. BERKTOLD.....	385
Gravity and Magnetic Investigations at the KTB Locations Schwarzwald and Oberpfalz H.C. SOFFEL, S. PLAUMANN, R. PUCHER, C. BÜCKER, H.-J. GÖTZE, M. WAGENER and V. HAAK.....	409
Geothermal Investigations at the KTB Locations Oberpfalz and Schwarzwald H. BURKHARDT, U. HAACK, A. HAHN, H. HONARMAND, K. JÄGER, A. STIEFEL, P. WÄGERLE and H. WILHELM.....	433
Apatite Fission Track Dating of the Central European Basement. Postvariscan Thermo-Tectonic Evolution G.A. WAGNER, I. MICHALSKI and P. ZAUN.....	481
A Reinterpretation of the Gravity Field in the Surroundings of the KTB Drill Site-Implications for Granite Plutonism and Terrane Tectonics in the Variscan H.-J. BEHR, S. GROSSE, T. HEINRICHS and U. WOLF.....	501
The KTB Pilot Hole: Tectonic Setting, Technical Data and First Results R. EMMERMANN.....	527