



Contents of volume 47 (2003)

- Marek BARA SKI — Laboratory measurements of the stiffness of normally consolidated till polluted by benzene with bender element tests, 2: 211
- Grzegorz BARCZYK — Circulation in present-day karst systems sourcing the vaucluse springs in the Polish Tatra Mts., based on tracer methods and limnometric observations, 1: 97
- Krzysztof BI KA and Jerzy NITYCHORUK — The Late Saalian, Eemian and Early Vistulian pollen sequence at Dziewule, eastern Poland, 2: 155
- Roman CHLEBOWSKI, Petro GOZHNIK, Leszek LINDNER, Maria ŁANCZONT and Józef WOJTANOWICZ — Stratigraphy and sedimentology of the Bug loess (Pleistocene: Upper Vistulian) between Kiev and Odessa (Ukraine), 3: 261
- Algimantas ESNULEVI IUS and Regina MORKŪNAITĖ — Correlation of genetic and morphometric types of Šventoji River catchment relief (north-east Lithuania), 2: 149
- Ryszard DADLEZ — Mesozoic thickness pattern in the Mid-Polish Trough, 3: 223
- Paweł DOBAK — Loading velocity in consolidation analysis, 1: 13
- Artur DZIEDZIC — Structural control on fracture toughness (brittle cracking) in the Krosno Sandstones of Mucharz, southern Poland, 1: 21
- Ewa FALKOWSKA — Sorption of Pb and Cd by sediments of the poly-genetic river valleys of the eastern part of the Polish Lowland, 2: 169
- Ireneusz GAWRIUCZENKOW — Effects of swelly pressure on changes in pore space morphology in Miocene clays from Warsaw: preliminary results and open questions, 2: 215
- Peter ROLL JAKOBSEN — GIS based map of glaciotectionic phenomena in Denmark, 4: 331
- Ryszard KACZY SKI — Overconsolidation and microstructures in Neogene clays from the Warsaw area, 1: 43
- Ona KONDRATIENĖ and Vaida EIRIENĖ — Vegetation and climate of the Butėnai Interglacial (Holsteinian) in Lithuania, 2: 139
- Stefan KRAJEWSKI and Małgorzata WO NICKA — Hydrogeological structure of the Vistula River valley between Kamie and Puławy, eastern Poland, 1: 77
- Kazimierz KRAU LIS, Krzysztof LASKOWSKI and Emilia WÓJCIK — Variability of engineering geological parameters in flood facies sediments, 1: 63
- Ewa KROGULEC — Evaluation of hydrogeological conditions based on modelling: a case study in the Kampinos National Park region, central Poland, 1: 83
- Leszek LINDNER, Jan DZIER EK, Barbara MARCINIĄK and Jerzy NITYCHORUK — Outline of Quaternary glaciations in the Tatra Mts.: their development, age and limits, 3: 269
- Paweł ŁUKASZEWSKI — Development of fracture processes in Silesian Carboniferous sandstones, 1: 29
- Małgorzata MALKIEWICZ — Palynology of biogenic sediments of the Eemian Interglacial at Bieganin near Kalisz, Central Poland, 4: 367
- Danuta MAŁECKA — The thermal waters of Podhale, southern Poland: history of research, genesis and utility, 2: 195
- Monika MASIĄK, Teresa PODHALA SKA and Marzena STEMPIE - SAŁEK — Ordovician–Silurian boundary in the Bardo Syncline, Holy Cross Mountains, Poland — new data on fossil assemblages and sedimentary succession, 4: 311
- František MARKO, Daniel PIVKO and Vratislav HURAI — Ruin marble: a record of fracture-controlled fluid flow and precipitation, 3: 241
- Atsunao MARUI — Groundwater conditions along the seawater/fresh-water interface on a volcanic island and a depositional area in Japan, 4: 381
- Esko MÄLKKI — Groundwater flow conditions in the coastal bedrock area of the Gulf of Finland, 3: 299
- Janusz MICHALAK — Geomatics in hydrogeology, 1: 69
- Radosław MIESZKOWSKI — Diffusion of lead ions through the Pozna Clay (Neogene) and through glacial clay, 1: 111
- Józef MIKOŁAJKÓW — Laboratory methods of estimating the retardation factor of migrating mineral nitrogen compounds in shallow groundwater, 1: 91
- Wojciech MORAWSKI — Reconstruction of ice sheet movement from the orientation of linearglacial landforms and glaciotectionic deformations near Kronowo (western Mazury, Poland), 4: 339
- El bieta MY LI SKA — Classification of organic soils for engineering geology, 1: 39
- Jerzy NAWROCKI, Maria KULETA and Stanisława ZBROJA — Buntsandstein magnetostratigraphy from the northern part of the Holy Cross Mountains, 3: 253
- Agnieszka PAJ K-KOMOROWSKA — Swelling, expansion and shrinkage properties of selected clays in the Mazowsze province, central Poland, 1: 55
- Jolanta PARUCH-KULCZYCKA, Roman CHLEBOWSKI and Leszek LINDNER — Derived marine microfossils in loesses of the last glaciation and their significance in the reconstruction of loess-forming processes in central-eastern Europe, 2: 119
- Dorota PAWLICKA — Content of dissolved oxygen and carbon dioxide in rainwaters and groundwaters within the forest reserve of the Kampinos National Park and the urban area of Warsaw, Poland, 2: 187
- Joanna PETERA and Jacek FORYSIAK — The problem of the Last Glaciation extent in Central Poland, 4: 357
- Joanna PINI SKA and Hemdan Rabbie ATTIA — Use of geomechanical research in the conservation of stone monuments (Maadi Town Temple, Fayoum, Egypt), 1: 1
- Mariusz A. SALAMON, Michael K. EAGLE and Robert NIED WIEDZKI — A new ceratite record from Upper Silesia (Poland), 3: 281
- Mariusz SALAMON, Robert NIED WIEDZKI and Reinhard WALTER — New data on Middle Triassic echinoderms from the Sudetes Mountains, 2: 133
- Ryszard SZCZ SNY — Reconstruction of stress directions in the Magura and Silesian Nappes (Polish Outer Carpathians) based on analysis of regional folds, 3: 289
- Wojciech SZPAKOWSKI — Recharge of Gda sk municipal groundwater intakes on the Vistula Delta Plain (Northern Poland), 4: 389
- Aleksandra TRZEPIERCZY SKA — Palynostratigraphy of the Culm deposits of the Moravian–Silesian zone (Poland) at Toszek Castle Hill, 4: 373
- Grażyna URAWSKA — A hydrogeological study of springs in the western part of the Pieniny Klippen Belt, southern Poland, 1: 107

SHORT COMMUNICATIONS

- Mariusz A. SALAMON and Andrzej BOCZAROWSKI — The first record of *Aspiduriella* (Ophiuroidea) in the Upper Muschelkalk of Poland, 3: 307