Coarse sediments in the Eastern Mediterranien

E.E. KARNYUSHINA, B.T. YANIN

Geological Faculty of Moskow State University, MOSCOW (Russia)

Coarse edaphogene material within the deposits of slopes and foots of large positive structures of the Mediterranien Sea bottom was studied by cores up to 350 cm long located along seismic profiles, which run through the West Tartus Ridge and Anaximander Mountains (Training through research cruise, R/V "Gelendzhik", 1991). Under the recent oxidated mud cover large fragments are encountered in the deposits of Early Holocene and Wurme age practically pervasively in the form of single inclusions, admixtures up to 25% and individual accumulations containing varying quantity of carbonaceous-clay matrix. With regard to roundness clasts and size grus and gravel (0,1-1 cm), scree debris and pebble (1-10 cm) are encountered within fragmental components. Depending on the proportion of these components, gravel-grus deposits, breccia, conglomerates and breccia-conglomerate are described. The most widely developed are coarse clastics composed of the material subsynchronous to Holocene and Wurme deposits. Usually, such accumulations are represented by clay breccia-conglomerate of landslides from the slopes. Scree debris of carbonaceous micritic crusts which have been likely broken on the bottom surface due to the movement of underlying sedimentary masses constitute a considerable part of the clastics. The more rarely encountered are fragments of redeposited sapropel. In the deposite of terrigene and carbonaceous bedrock. Among greenish terrigene fragments alertifarements of terrigene to fargments, subsynchronous to Late Wurme time, the breccia contains flattened acute angular fragments of terrigene and carbonaceous bedrock. Among greenish terrigene fragments alerefared to biosparite of Shelf-facies genesis, where Y.Y. ZAKREVSKAYA has identified Nummulites ex gr. globulus Leym. and Discorgulateous arbonaceous applications and encourse of the carbonaceous arbonaceous bedrock. Among greenish terrigene fragments alerted rock are presented by intrabiosparite of shelf-facies genesis, where Y.Y. ZAKREVSKAYA has identified Nummulite

trom the bottom surface. It is characteristic that the breccia with fragments of Tertiary bedrock occurs above accumulations of coarse clastics, subsynchronous to Wurme deposits. This evidences that relief-forming processes took place even till Late Holocene period, due to progressive development of tectonic movements, causing first relict silt sliding and redeposition and then the desintegration of the bedrock of upheavals and trench slopes.