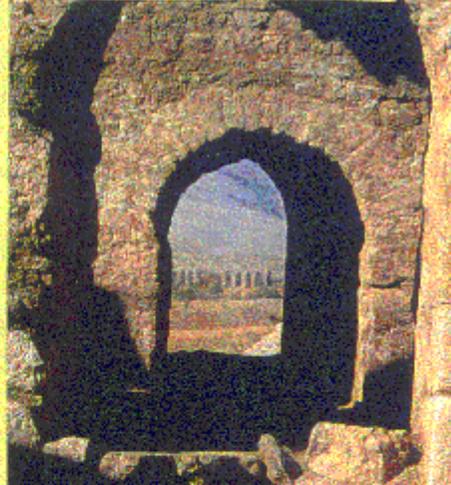
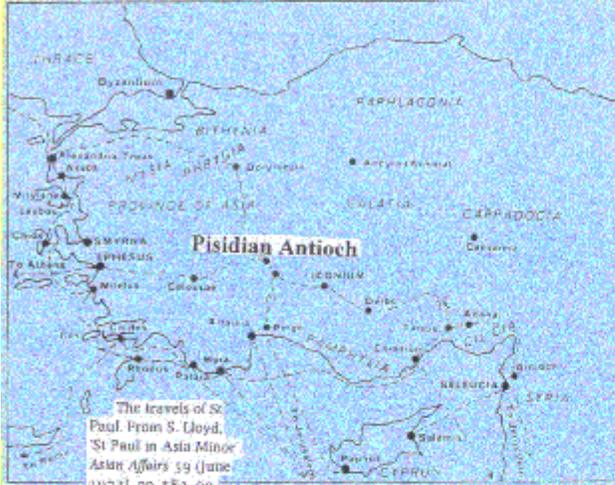
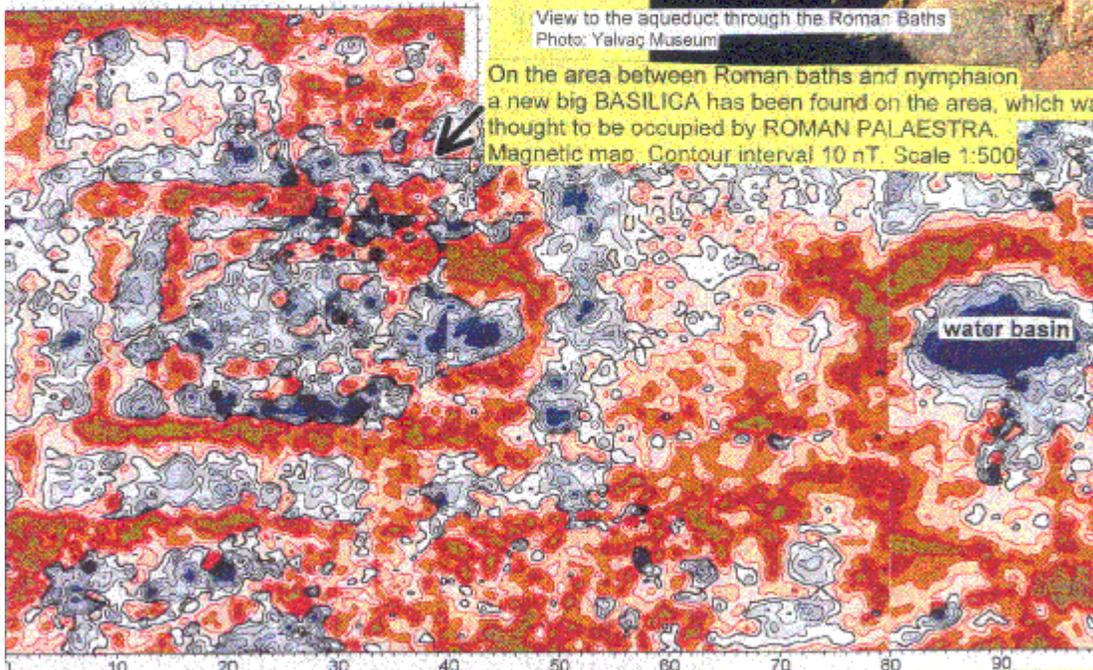


Pisidian Antioch – the city of St. Paul

One more basilica has been revealed in Pisidian Antioch by magnetic mapping.



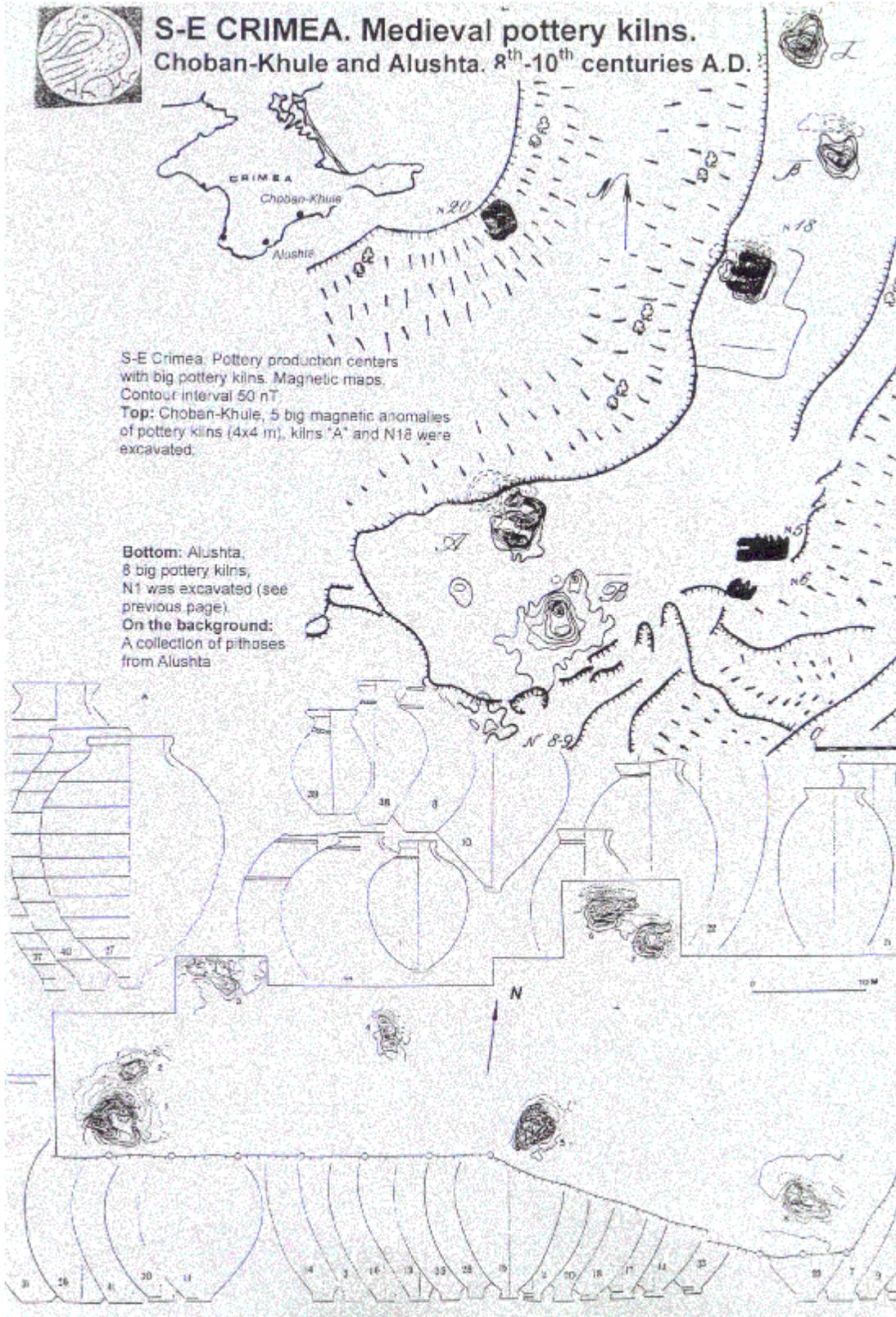
View to the aqueduct through the Roman Baths
Photo: Yalvac Museum



St. Paul basilika (Early Christian Church)

Photo: Yalvac Museum

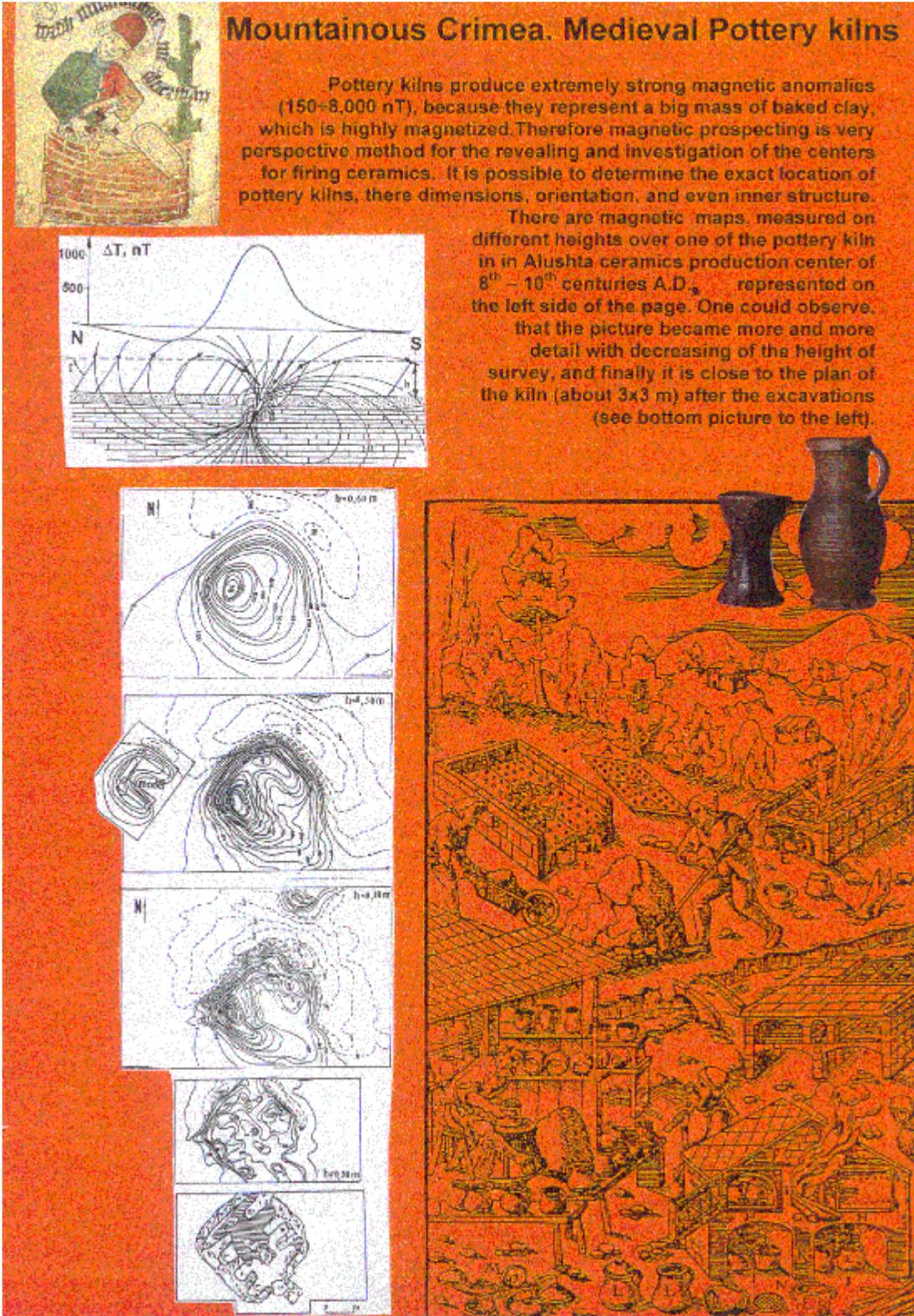
From Cyprus St. Paul accompanied by Mark took ship and came to Perge in Pamphylia, sailing probably up the river Cestrus. Here Mark separated himself from the party, after a difference of opinion with Paul. St. Paul's immediate destination was Pisidian Antioch. In Antioch he made contact with the Jews in the local synagogue to whom he was intending to preach, before going to Iconicum, Lystra and Derbe.

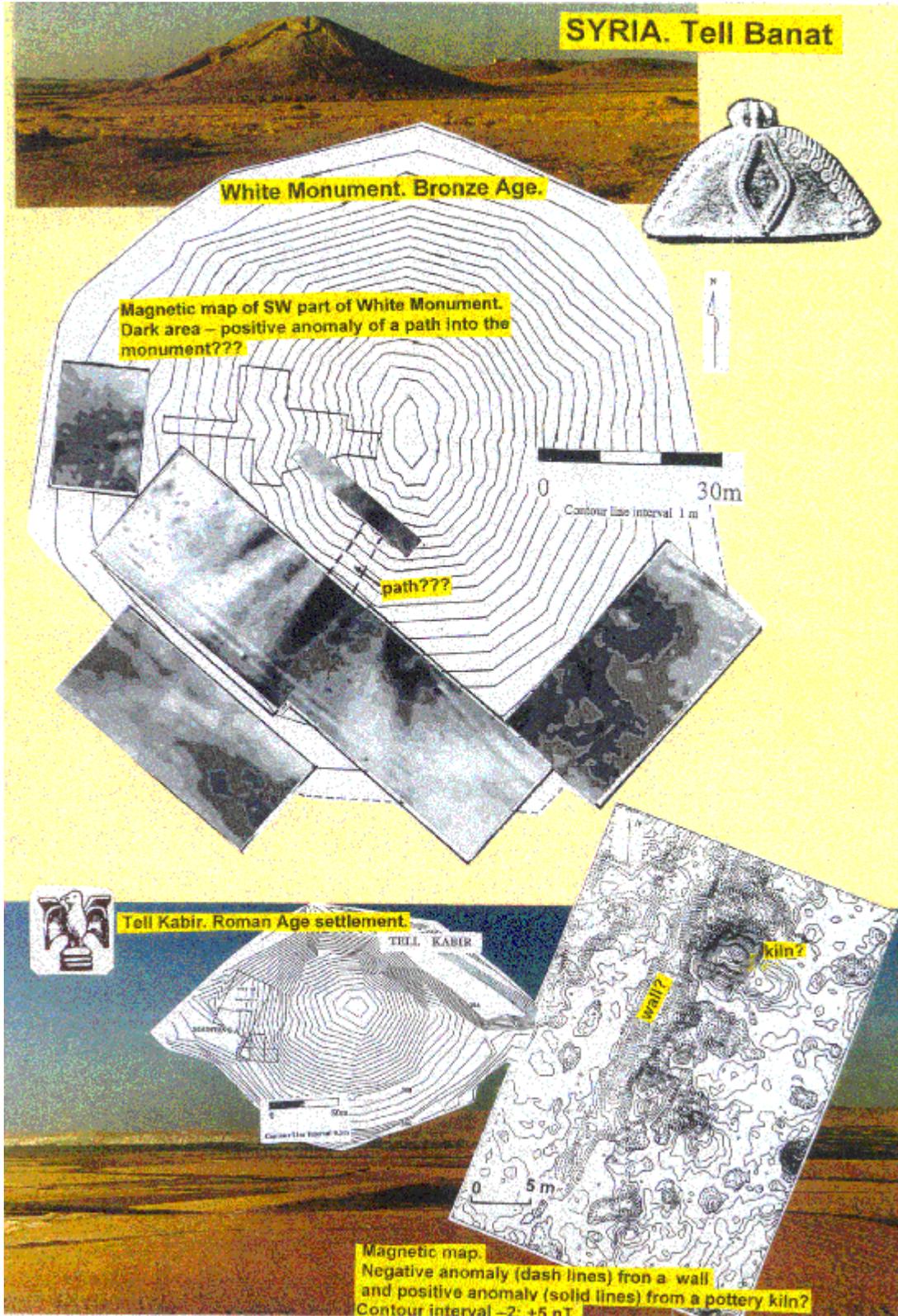


Mountainous Crimea. Medieval Pottery kilns

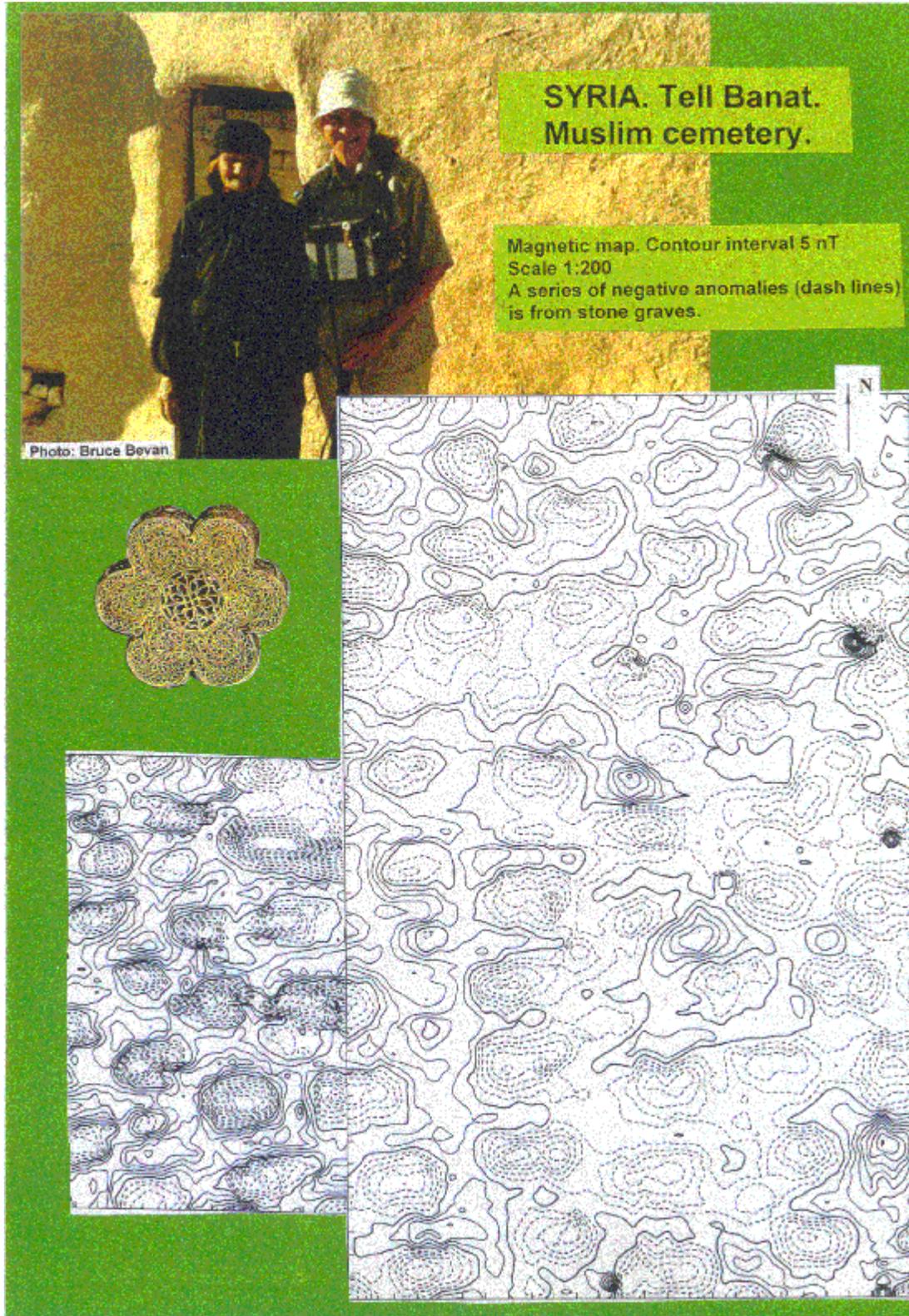
Pottery kilns produce extremely strong magnetic anomalies (150-8,000 nT), because they represent a big mass of baked clay, which is highly magnetized. Therefore magnetic prospecting is very perspective method for the revealing and investigation of the centers for firing ceramics. It is possible to determine the exact location of pottery kilns, there dimensions, orientation, and even inner structure.

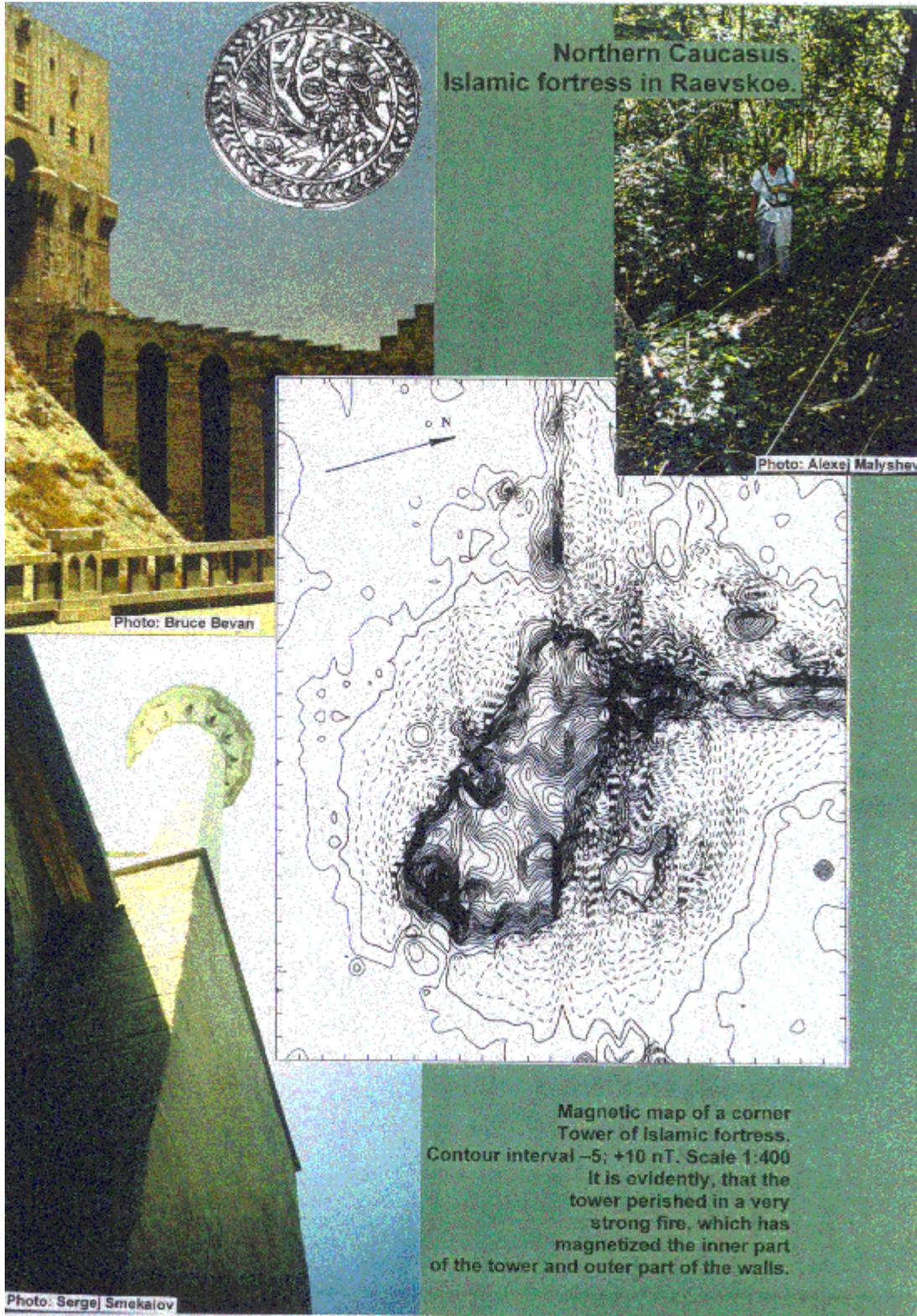
There are magnetic maps, measured on different heights over one of the pottery kiln in in Alushta ceramics production center of 8th - 10th centuries A.D., represented on the left side of the page. One could observe that the picture became more and more detail with decreasing of the height of survey, and finally it is close to the plan of the kiln (about 3x3 m) after the excavations (see bottom picture to the left).





Advancing Overhauser, Potassium and Proton Precession Magnetometer Technologies for More than 2 Decades - "Our World is Magnetic!"





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Northern Wales. Crawcwellt.
Iron smelting furnaces.

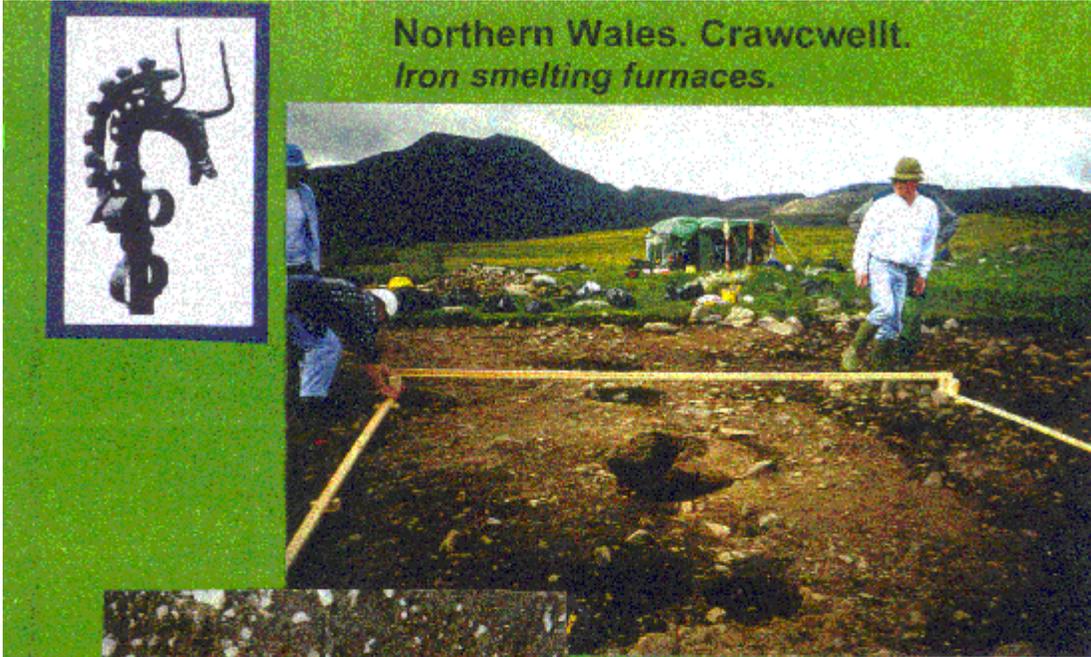


Photo: Tatyana Smekalova

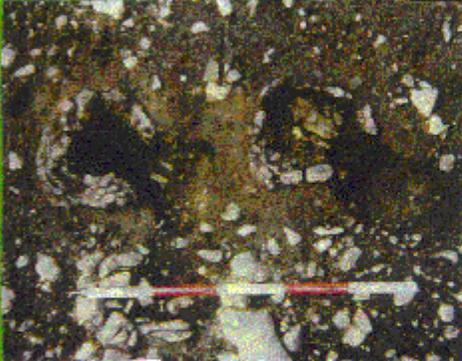
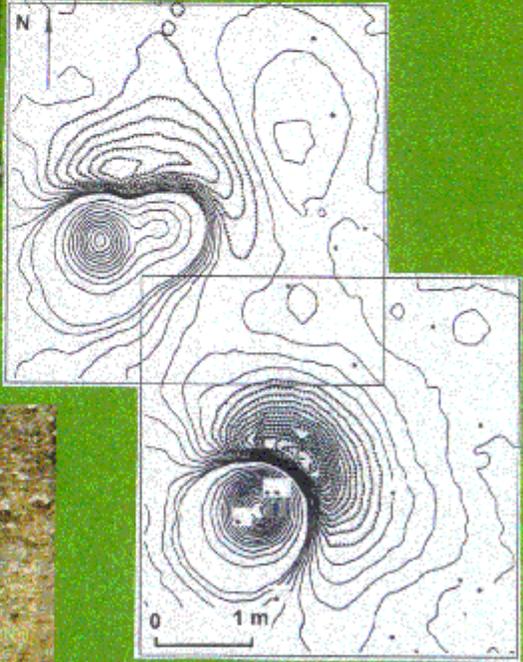


Photo: Peter Crew

A special experiment has been carried out in 1998 by P. Crew, B. Bevan and T. Smekalova for dating iron smelting furnaces of Celtic epoch by measuring of a magnetic field over them with further analysis of the data obtained to reveal the direction of their thermoremanent magnetization.



A magnetic map over three furnaces.
Contour interval +100 and -10 nT



Above and to the left photos - furnaces - which have been surveyed.

Photo: Peter Crew

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