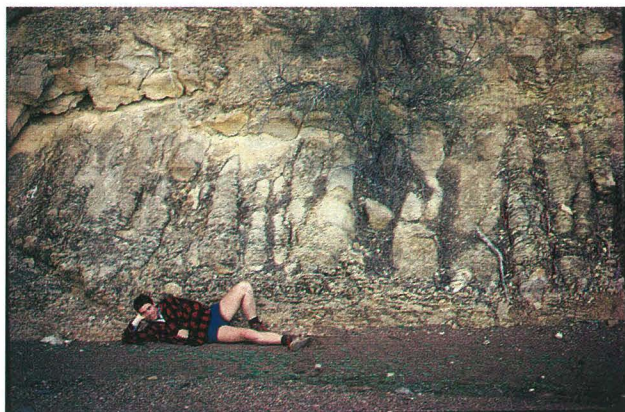

Growth of Diapirs, Amadeus and Arrowie Basins

Abstract of talk given at PESA Vic/Tas Branch luncheon on Wednesday, February 18, 1998 by **Bob Dalgarno** (Geological Survey of Victoria)

Bob traced his own experiences with diapir studies from student days with the BMR in the 50's through his time with the Geological Survey in South Australia to present contacts, particularly with Ian Dyson at the National Centre in Adelaide. Some of the patterns in structural repetition of diapiric bodies and their phases of movement were discussed and illustrated with maps which provide natural sections of baldcap structures. Slides illustrated facies developments on the flanks of diapirs which were exposed during deposition. Bob remarked on the current interpretation of dyke-like breccia bodies and debris trains as salt glaciers and pointed to the value to petroleum geologists of the field exposures of rotated and eroded diapirs to be seen in the Flinders Ranges.



Kevin Lanigan

(Please note: One of the things Bob enjoyed most about giving his talk was that he found a photo of me which he took great delight in showing the audience and he was most insistent that I submit it for publication in lieu of a photo of him. Bob took the photo during a Flinders Ranges field trip in mid-1986, when we were both M.Sc. students at the National Centre for Petroleum Geology and Geophysics at the University of Adelaide. The backdrop of the photo shows one of the facies covered in his talk, the two-metre columnar stromatolites in the middle Cambrian Wirrealpa Limestone at the Wirrealpa Diapir.

Kevin Lanigan - State Branch Editor, Victoria.