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BOOK REVIEWS

British Geomorphological Research Group
Research Monograph 1
K. Gilman and M. D. Newson
Soil Pipes and Pipe flow : A Hydrological study in upland Wales (1981)
Geo Book, Norwich, U. K. (pp 708, Figs. 58, Tables 11)

As mentioned in the preface, the monograph is a report of a research undertaken by two hydrologists. This is basically a regional hydrological study undertaken by Institute of hydorological predictions. The hypothesis of research is that losses of water from a catchment are increased by a change to forestry is being investigated with the help of the soil pipe flows studies from Wye basin. The results are compared with the coditions in forested seven catchments.

Though the study is essentially carried out in a particular region with a specific aim one finds good discussion on the phenomeon of soil pipe development and nature of pipe flow in the later part of the monograph. The details of the methodology used in mapping the pipes and their distribution will certainly help as guideline for such studies in other areas. The authors have given the details of instruments used in the studies (fig. 30, 31 and 42) which would prove useful to young workers in the field. The model constructed for the flows from pipes and pipe slopes should prove to be of great use in prediction of flows. It takes into consideration the effect within pipe areas, caused either due to some physical depressions, soil moisture etc. or the out flow from the pipes.

The monograph, on the whole, serves the purpose of giving guide line to similar work that can be undertaken in other areas. The effect of forest has been well domonstrated. The authors deserve congratulations for carrying out detail micro level work on slopes in the from of pipes. B. G. R. G. should also be congratulated for publishing this monograph and making available the results of the reasearch to those interested in this kind of work.

S. R. Jog.

British Geomorphological Research Group
Research Monograph 2
J. M. Verstraten
Water–Rock Interaction (1981)
Geo Book, Norwich, U. K. (pp. 170)

' Water–rock interaction ' by J. M. Verstraten is the second of a monograph series being brought out by the British Geomorphological Research Group. It incorporates the results of detailed studies on weathering and soil formation within a very low grade metamorphic shale catchment in the Ardennes, NW Luxembourg. In addition to examining the soil profiles developed in various geomorphic environments, and ascertaining the chemicl and mineralogical compositions of the solid phases, the author has studied the chemistry of spring and has brought out the importance of the liquid phase in weathering processes. He has presented weathering models for rocks with