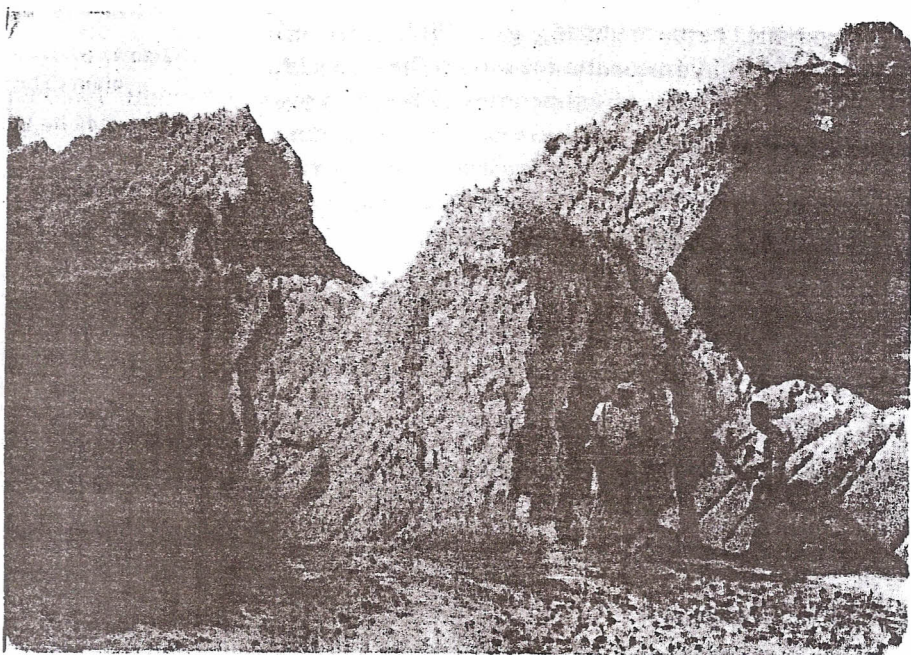


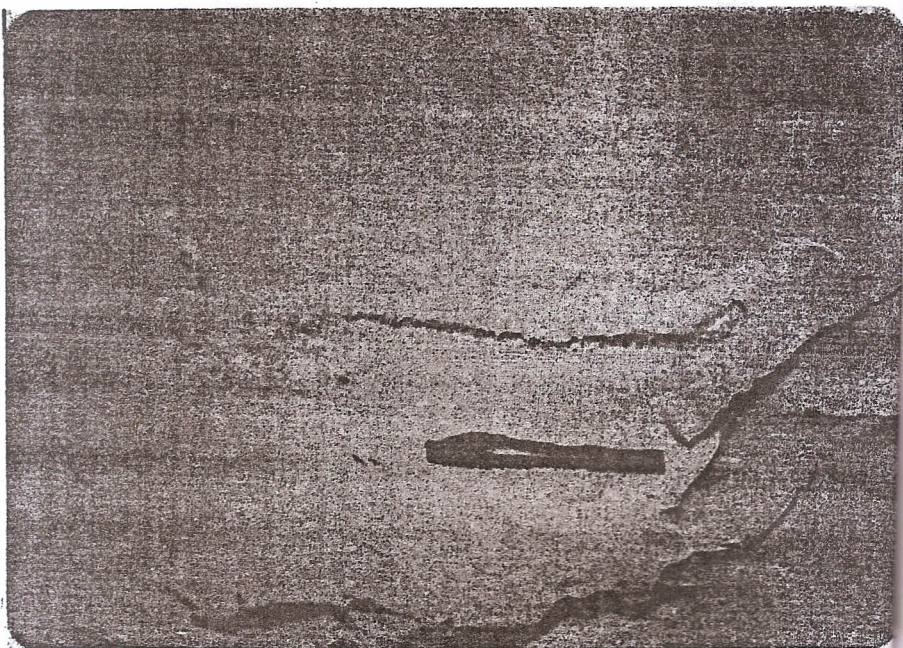
INSIDE THE INSTITUTE

D. G. Visits Oil Shale Localities

D. G.; HDIP visited oil shale localities near Taunsa Sharif (November 7-9) and southern Kohat (November 23-25). During the visit GSP were introduced the localities of vertebrates in Safed Koh range for further studies and some fossil fish remains were collected. Mr. Hasan Gauhar, Ashraf Khan and Dr. Mahmood Raza from GSP, and Dr. Hans Porth and Dr. Gunther Eickhoff from BGR accompanied the field party.



HDIP-BGR-GSP field party (from left to right are Dr. H. Porth and Dr. G. Eickhoff (BGR), Dr. M. Raza (GSP) and M. Kamran (HDIP) at oil shale outcrops near Taunsa Sharif.



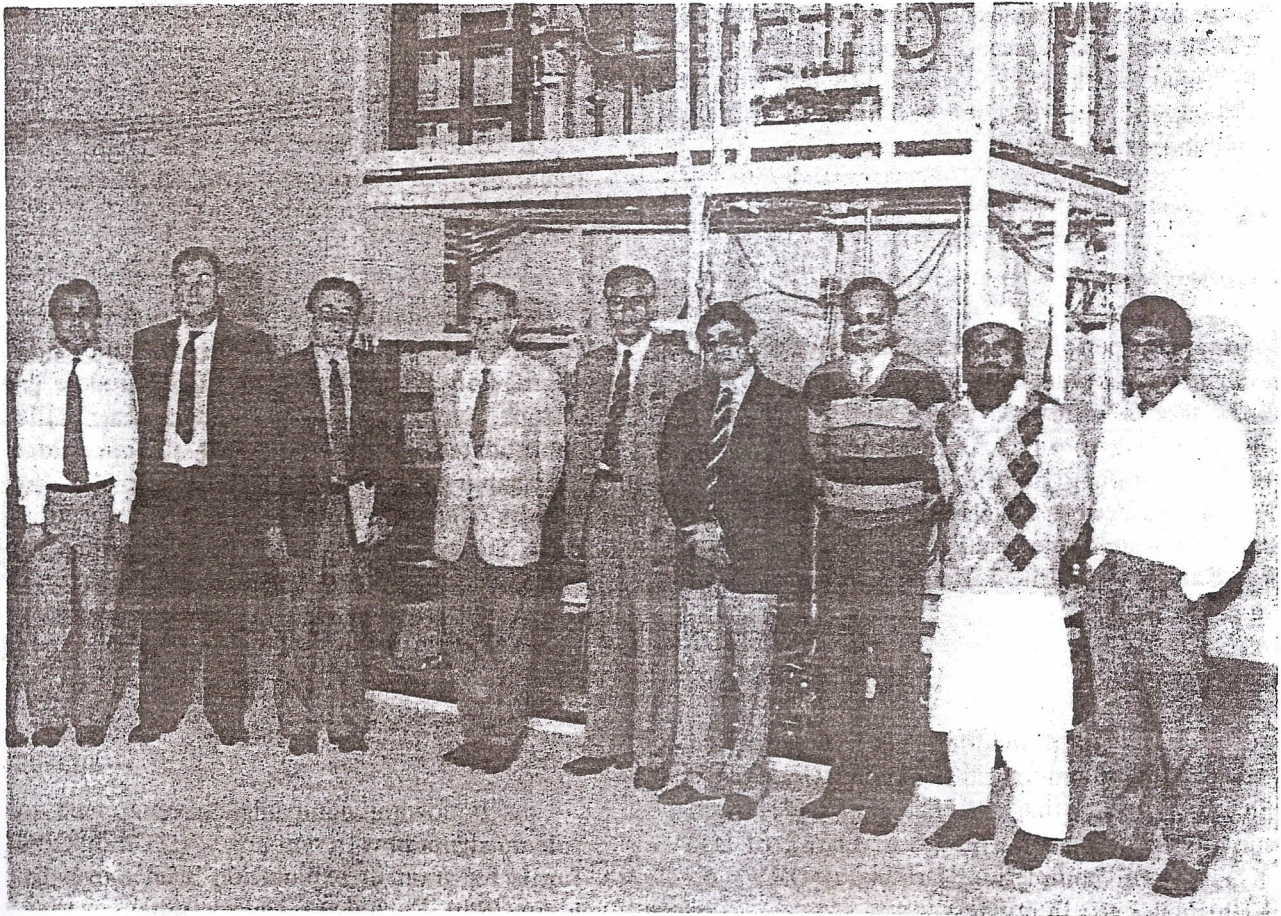
Eocene fossil fish remains in Safed Koh range.

Work on Oil Shale Mapping Project in Kohat Area Begins

HDIP-BGR have identified oil shale deposits in southern Kohat area. These oil shales are found associated with Jatta Gypsum. Laboratory analyses indicate TOC as much as 25% and oil yield upto 20%. The shales seldom attain 3 meters thickness. In view of the aforementioned results it is considered that these oil shales can be suitable for mining and oil extraction.

Recently, HDIP finalized plans to confirm lateral persistence of the oil shales in Kohat/Karak region. The Geological Survey of Pakistan (GSP) is collaborating in the execution of the programme. Joint field parties of HDIP and GSP moved to field for mapping assignment in November, 1988.

UNDP/UNIDO and PERAC experts visit HDIP Pilot Plant Station at Karachi



A delegation of UNDP/UNIDO & PERAC experts visited HDIP Pilot Plant Station for process development and training on 18th January, 1989. Seen in the above picture are Dr. John Oxley, Dr. Palmer and Dr. Ganz of UNIDO (2nd, 3rd and 4th from left) and Mr. Maqsood A. Mian of PERAC (5th from left) along with HDIP's scientists and engineers.