FIG. 3-4  HYDRAULIC CONDUCTIVITY (WATER AT 15°C)
FIG. 3-5  MATRIX POTENTIAL (WATER AT 15°C)
FIG. 3-6  INTERRELATION OF SOIL INDICES
Fig. 14-3  Typical moisture potentials, permeabilities, and diffusivities for a cohesive soil. (By permission from J. R. Philips, Evaporation, and Moisture and Heat Fields in the Soil, J. Meteorol., vol. 14, no. 4, August, 1957, published by the American Meteorological Society.)

Fig. 14-4  Capillary-pressure head as a function of saturation. (From R. H. Brooks and A. T. Corey, Properties of Porous Media Affecting Fluid Flow, Proc. ASCE, J. Irrigation Div., no. IR-9, 1956.)
Fig. 14-10 Capillary-pressure head as a function of effective saturation. (From R. H. Brooks and A. T. Corey, Properties of Porous Media Affecting Fluid Flow, Proc. ASCE, J. Irrigation Drainage Div., no. IR 2, paper 4855, June, 1966.)

Fig. 14-11 Prediction of permeability from capillary-pressure data. (From R. H. Brooks and A. T. Corey, Properties of Porous Media Affecting Fluid Flow, Proc. ASCE, J. Irrigation Drainage Div., no. IR 2, paper 4855, June, 1966.)

$\kappa^* - \text{solid lines by Eq. (14 - 77)}$

$\kappa_{m}^* - \text{solid lines by Eq. (14 - 78)}$

All plotted points are experimental permeabilities.
Fig. 14-13  Unsteady drainage of two sands. (From G. L. Corey and A. T. Corey, Stimulus for Drainage of Soils, Proc. ASCE, J. Irrigation Drainage Div., no. IR 3, paper 5462, September, 1957.)