



FIG. 23.—Generalized structure maps of western Kansas (after Lee and Merriam, 1954), showing late regional deformation of western Kansas. **A.** Shows by 100-foot thickness lines the southerly pitch of Hugoton embayment syncline at horizon of Stone Corral dolomite when Dakota formation was still undeformed (based on thickness of sequence between these beds). **B.** Shows by 200-foot contours the present structure of Dakota formation. Northerly post-Dakota dip was imposed on older rocks. **C.** Shows by 200-foot contours the present structure of Stone Corral dolomite as result of post-Dakota deformation.