Soils of the area are strongly acid and are formed in residuum, glacial till, colluvium, and alluvium originating largely from red and gray to olive shale and sandstone bedrock of Pennsylvanian, Mississippian, and Devonian ages. Textures are loamy and most of the soils have an abundance of coarse fragments throughout. Orders comprise Inceptisols, Alfisols and Ultisols. Series all have mixed mineralogy, fall within the mesic temperature class and include Alvira, Berks, Dekalb, Hartleton, Shelmadine, Watson and Weikert with yellowish (2.5Y - 7.5YR) hues and Albrights, Barbour, Basher, Calvin, Klinesville, Laidig, Leck Kill, and Meckesville with reddish (5YR - 10R) hues.

Patterns of soils are very detailed; however, a meaningful and useful map is being constructed at the medium intensity level. The ARS has provided a 1967 flight of aerial photographs as a base for mapping and map construction. The photos were taken in April and are of excellent quality. Soil description work is being done from deep pits at selected sites. A backhoe, with operator, is furnished as needed, also by ARS.

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ALEXANDER CONDUCTS SEMINARS
IN MICHIGAN

Bruce G. Watson SCS
East Lansing, Mich.

Spodosols, frost mounds, soils with bisqueum, and some of the "best" spodic horizons and fragipans were just a few items seen and discussed on a two week series of seminars during September 25 to October 7. These seminars were conducted by Doctor Lyle Alexander, Chief, Soil Survey Laboratories, SCS.

The seminars were organized by Dirk van der