

GEOLOGY AND GEOGRAPHY

Chairman: J. C. HOOK, Indiana State Teachers College
DUNCAN MCGREGOR, Indiana Geological Survey, was elected chairman
for 1961

ABSTRACT

Micromagnetic Waves. GERALD J. SHEA, Terre Haute.—The variable geomagnetic field has been known from early times. C. Gauss, about 1850, invented an instrument which would record these variations. The use of a modification of this instrument provided the following results:

1. Micromagnetic waves vary as to the season, the larger amplitude prevalent in the late spring and summer months.
2. A distinct change occurs before, during and after local storms.
3. The current affecting the instrument must be propagated by some solar mechanism in conjunction with the upper atmosphere of the earth.