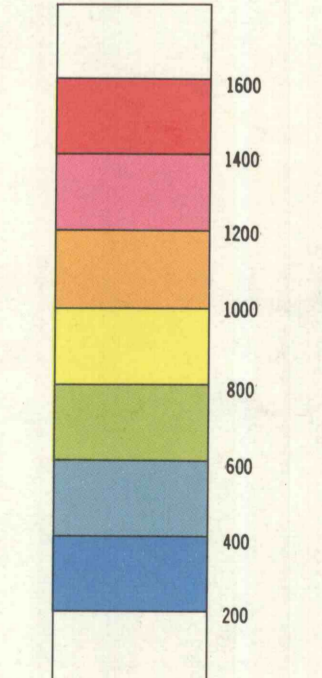


Aeromagnetic map of central Maryland, southern Pennsylvania, and Delaware showing generalized geologic relations of the crystalline rocks.

GEORGE W. FISHER, MICHAEL W. HIGGINS AND ISODORE ZIETZ.

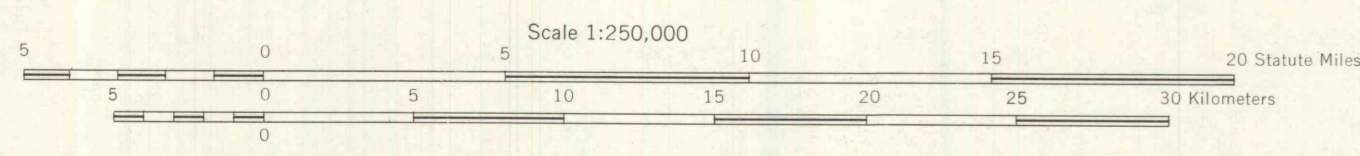
EXPLANATION
Magnetic intensity in gammas



EXPLANATION

- Coastal plain sedimentary rocks (Cretaceous and younger)
- Unconformity
- Newark Group (Jurassic and Triassic) and related diabase intrusions.
- Unconformity
- Sedimentary and volcanic rocks of known age
- Metasedimentary rocks of uncertain age
- Metigneous rocks; relative age uncertain
- Cocalico Shale (Ordovician)
- Carbonate rocks (Ordovician and Cambrian); includes Vintage, Kinzers, Ledger, Waynesboro, Elbrook, Tomstown, and Conestoga Formations, and Conococheague and Beekmantown Groups
- Chilhowee Group and related clastic rocks (Cambrian and Upper Precambrian); includes Chickies (with its Hellam Member), Wewerton, Harpers, and Antietam Formations
- Catoclin Formation (Upper Precambrian)
- Wakefield Marble
- Silver Run Limestone
- Peach Bottom Slate and Cardiff Metaconglomerate undivided (as used by Crowley, 1976)
- Sams Creek Formation
- Wisahickon Group of Crowley (1976): wd, diamictite; wmg, metagraywacke; wqs, quartz schist; wps, pelitic schist; "Marburg" and "Octoraro schists" (of local usage), and Urbana and Jamesville Phyllites; wfo, undifferentiated flysch sequence
- Intermediate to felsic plutonic and meta-volcanic rocks, including Baltimore Complex, James Run Formation, Fort Deposit Gneiss, and "Aberdeen Metagabbro," "Relay Quartz diorite," and "Ellicott City Granodiorite" (of local usage); um, ultramafic rocks
- Cocksycville Marble
- Setters Formation: s undivided; sg, garnet schist member
- Unconformity
- Baltimore Gneiss and related basement gneisses (Precambrian), with minor intrusive rocks of Paleozoic age

- Structure symbols**
- Contact, based on conventional geologic mapping; dotted where concealed
 - Contact, inferred from aeromagnetic maps
 - Thrust fault; barbs on hanging wall
 - High-angle fault



For sources of aeromagnetic data, see index map on Plate 1