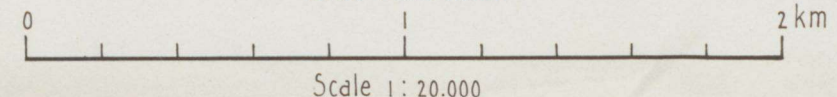


## Geological sketch map of the MERDARET - LAC CROP REGION

(BELLEDONNE MASSIF, FRANCE)

by A.C. TOBI

Survey completed in 1956. Partly  
after A.J.A. Janse



- |  |  |
|--|--|
|  | Creep  |
|  | Subrecent moraines, screes and other accumulations of rock debris  |
|  | Older moraines   |
|  | Jura (black calcareous slates and limestones in banded alternation)  |
|  | Triassic (mainly cavernous limestones; E of median syncline fetid limestone and dolomite)                                    |
|  | Grès d'Allevard (Permian conglomerates, feldspathic sandstones and dark grey or purple pelites, all with rhyolitic detritus) |
|  | Upper Carboniferous (black slates, conglomerates)  |
|  | St. Hugon schists (mainly albite-sericite-chlorite-schists)  |
|  | Lac Crop formation (meso-metamorphic mica-schists and amphibolites in banded alternation)                                    |
|  | Ferrouillet amphibolites   |
|  | Intensity of younger retrograde metamorphism in the crystalline schists  |
- Schematic indication of the occurrence of some characteristic minerals
- |  |  |  |                             |
|--|--|--|-----------------------------|
|  | Staurolite and Kyanite                 |  | Garnet (fresh, chloritized) |
|  | Amphibole (blue-green, light coloured) |  | Pyroxene                    |
|  | Biotite (fresh, chloritized)           |  | Epidote                     |

- |  |   |
|--|---|
|  | Road  |
|  | Footpath                                    |
|  | River                                       |
|  | Summit                                      |
|  | Building, chalet                            |
|  | Mine  |
|  | Fossil locality                             |
|  | Strike and dip of stratification or banding |
|  | Strike and dip of cleavage or schistosity   |
|  | Bordering thrust plane of median syncline   |
|  | Important fault                             |
|  | Section (Fig. 40)                           |

