FIELD TRIP GUIDEBOOK

NEW YORK STATE GEOLOGICAL ASSOCIATION 32nd ANNUAL MEETING

HAMILTON COLLEGE CLINTON, NEW YORK MAY, 1960

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GUIDEBOOK FOR FIELD TRIPS

32nd Annual Meeting of the NEW YORK STATE GEOLOGICAL ASSOCIATION

prepared by

David Hawley and Donald B. Potter

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Geologic Map of New York State (courtesy of the State Geological Survey)	

STRATIGRAPHIC COLUMN - UTICA AND LITTLE FALLS QUADRANGLES

SYSTEM SERIES Group FORMATION Character of rocks Thickness in feet Member SILURIAN CAYUGAN Salina CAMILLUS 100-3001 Mottled reddish and yellowishgreen, and drab colored calcareous shale with flaggy dolomite beds. VERNON 160-3401 Red crumbly shale with green layers and spots, and a green zone at base. disconformity. NIAGARAN Lockport 601 ILION Gray-black dolomitic shale with interbedded dolomite beds, some of which contain stromatoporoids. Clinton 801 HERKIMER Interbedded gray sandy dolomite, dolomitic sandstone, and shale, with a 3-foot hematitic, sandy, fossiliferous, dolomiticcalcareous ledge at base. 32' WILLOWVALE Green, thin-bedded shale with interbeds of fine-grained calcareous sandstone. At base is a $2\frac{1}{2}$ -foot bed of red, colitic hematite. 160-200' SAUQUOIT Interbedded sandstone and shale with thin conglomerate beds. Cross-bedding is common. 25-30 ONEIDA Quartz-pebble conglomerate and sandstone, in massive beds. Four to six inches of conglomerate at base is richly impregnated

	diacon	with pyrite. Top is grada- tional into overlying Sauquoit.	
	disconi	formity	• • •
	IAN INNAT IAN den		
	FRANKFORT		
	Moyer		400 1
	-	Gray, silty to arenaceous shale, with beds of sandstone.	
	Hasenc.		50 '
		Finely cross-laminated, thin- bedded fine sandstone and inter- bedded greenish shale.	
	Harter	peaced Steelitpii pimte.	100'
	101	Greenish-gray laminated shale which grades into black shale of the Utica, below.	
CHAM'	PLAINIAN	or one outea, belows	
	renton		
	UTICA	4	00-700
	discon	Finely laminated black shale. formity	
	COBOURG		
	Steuben		60 1
	Doedben	Thick-bedded, cross-laminated	00
		calcarenite.	
	Rust		115'
		Mostly thin limestone beds with intercalated calcareous shale.	_
	DENMARK		
	Russia		70'
		Black, bituminous, impure lime- stone with irregular shale inter- beds. The upper 12' is calcareou mudstone and brown-weathering calcareous argillite.	
	Poland		60 °
		Interbedded gray-black limestone and calcareous shale.	
	SHOREHAM		1
	Rathbun	Tukanhada an aamilaa aalaansida	91
	lower S	Interbeds of coquina-calcarenite, calcilutite, and calcareous shale	• 35 - 45 •
	TOMET. 21	Thin-bedded limestone inter-	ノンーサフ
		bedded with calcareous shale.	

KIKKETETD		4-45
DOGEL AND	Thin-bedded limestone interbedde with calcareous shale. Thick calcarenite beds at top.	đ.
ROCKLAND	Black, dark-weathering, some- what cherty limestone, with shale partings toward the south- east. Missing near boundary between quadrangles.	0-13'
disconi	Cormity	• • • •
Black River LOWVILLE		26 - 40 °
	Upper part is light-gray weathering, medium gray calcilutite. Lower part is gray-brown, heavy-ledged, sandy and muddy limestone.	
disconf	Cormity	• • • •
CA NADIAN TRIB ES HII	L Limestone and dolomite, commonly muddy and sandy.	0 - 45 1
disc onf	ormity	0 0 0
CAMBRIAN CROIXIAN		
LITTLE FAI	Dolomite, sandy dolomite, and dolomitic sandstone. Conglomerate at base.	Jp to 450'
unconfo	rmity	• • • •
PRECAMBRIAN (Gener	al sequence for southern Adironda	icks)
	mblende-granite gneiss and bioti nite gneiss	te-
	(major deformation and metamorph	ism)
Руг	oxene-quartz-syenite gneiss	
And	orthosite-gabbro	
par	enville metasediments, including regneiss, quartzite, and amphibólome may be metagabbro or metavolco	ite



