		~		HERSHEY		#I WORKINGS (NORTH		CHRISTMAS WORKINGS	
PENNSYZVANIAN	O PEAK LS.	240	Fairly uniform gray, fine-grained lime- stone with cherty bands and chert nodules Some beds fossiliferous.		Series of heavy beds, possibly separated by thin shales of hard blue-gray lime- stone with scattered debris of crinoids and other fossils and some white flint.	CONTACT)	Sill	(SOUTH CONTACT)	Sill  Pinnacle ore bed  Shale and sill
	VAD	15	Finely laminated shale	70" 300 V	Slave muchable shale limestone Somewhat	25	Shale	28 ore	Shale
	UPPER TORNA		Shaly limestone with sill of fine-grained porphyry.	35 35 6 40	Slope, probably shaly limestone. Somewhat broken down but apparently rather heavy bedded blue-gray limestone.  Evidently alternation of shales and blue limestone.  Blue-gray limestone with crinoidal fragments. Slope peculiar rounded limestone fragments, much epidote and a greenish basic eruptive	Ore 50  16  Ore 20  10	Upper copper knob bed Shale	Shale and 32  ore sh. ore ore "J" Bes 35 ore	Main ore beds south contact.
		140	Light-gray, fine-grained dense limestone with cherty bands and chert nodules.	70	Heavy-bedded blue-gray limestone with only scattered crinoidal debris but much nearly white flint.  Slope with debris of thin bedded blue-gray limestone and sill rocks. Probably	ore 20 Ore 65 Ore 65	Shale Lower Johnny ore bed  Shale and limestone	ore "K" bed sh. ore 117	Limestone and shale
MISSISSIPPIAN	ESCABROSA (?)	75	Thin-bedded, shaly limestone with thin porphyry.	40	Dark compact and light-gray crinoidal- limestone, probably alternating with thin black shales	Ore Shale and ls.	Las Movias ore horizon	Ore ore	
		25	Light gray crystalline limestone.  Flat slope probably white fine-grained shaly limestone.  Flat slope, probably shale.	05	Light blue-gray, heavy bedded limestone in large part crinoidal.  Debris-covered slope, probably shaly	0re 68		17	Zone of sills
			Cliff. Light-gray to white thick bedded crinoidal limestone.	18	limestone. Hard dark-blue-gray  Brownish gray limestone				Marble and a few this shale beds (in D.D.H.
		35	Slope moderate-gray limestone		Light gray, coarse grained crinoidal limestone.	4	La Paris Treat the best of the second		
		75	Gray fine-grained fossiliferous lime- stone.	40	precipitous face of massive blue-gray limestone.				
		65	Sheer cliff. Fine-grained gray lime- stone. Fossiliferous.	70	Heavy bedded blue-gray limestone with traces of fossils				
		60	Steep slope. Fine grained, gray fossiliferous limestone.		Sill of porphyry, much altered with biotite hornblende as conspicuous original minerals.			SILL	Tornado Peak sill
		S/LL 110	Porphyry sill. Feldspars and hornblende most prominent minerals. Little biolite. Occasional bebo epidote. Somewhat altered.		Dark gray limestone Bed of honey-yellow and light brown garnet with quartz and specularite in rings				
			Altered limestone with green garnet. Light and dark gray crystalline lime- stone. Medium grained, some marble. Slope. Dense fine-grained gray limestone. Upper half is altered light colored		Blue-gray, heavy bedded limestone with traces of fossils				
		10 20	Upper half is altered light colored shale.  Slope, soft material, probably shale. Cliff. Light to dark gray, hard shale.	35	Light gray shaly limestone				
DEVONIAN	MARTIN LS.	10	Light to dark gray, thin-bedded shale.  Ore bed. Much pale greenish garnet.Some epidote staining. Little oxidized copper.  Banded, gray limestone.	20 20	Dark brown, laminated siliceous shales  Much altered, shaly limestone Thin bedded impure light gray shaly limestone. No fossils.  Very fine-grained white and light gray, soft, heavy-bedded limestone.				
		95	Massive white marbleized limestone. Shale weathered and float covered.  Hard gray to white marblized limestone. 2 to 3 foot blue members.		Very fine-grained gray to black weather- ing ashen, limestone. No fossils.				
		40 15 20	Talus covered slope Some gray shaly lime- stone and some porphyry in float. Flat talus covered slope. First 15 ft.	35 6 15 50	Much altered impure limestone with much limonite and some copper carbonates. (London-Arizona ore bed) Light greenish gray impure quartzite. Sill of porphyry with hornblende needles.  Dark greenish gray shales.			S BUREAU G	OF MINES SECTIONS
CAMBRIAN	.07		Prominent outcrop.  Flat talus covered slope. Greenish	***	Dark gray, weathering reddish brown impure quartzite.  Dark greenish gray shales with much chlorite.  Hard reddish, brown weathering, quartzite		CHRISTA	AT TORNAD ELATED WITH CHRISTMI	O PEAK SECTIONS IN AS MINE DUNTY, ARIZONA.
	TROY		Quartzite beginning at top of escape- ment of reddish brown quartzite.	~			IN REPORT VE MAD	FOR CHRISTMA	AS COPPER CORPORA -1 in = 80 Ft. VE REPORT BY: