

March 9, 1969

SUBJECT: MUFOSG investigation regarding "Lower St. Lawrence metal Block"

Not: To cover all contingencies and to give all interested an opportunity to correct any wrong impressions, an interim report was thought sensible.

Terms of reference: It was agreed at the Feb. Ex. meeting that your member would receive two small samples from Ronald Anstee of subject metal, in order to carry forward both a qualitative and quantitative analysis and to determine any historical background available, at no cost to the Group.

Objective: TO IDENTIFY, OBTAIN THE ORIGIN OF, AND AN OUTLINE OF THE HISTORY, OF SUBJECT METAL BLOCK.

Preliminary Investigation: After obtaining above two samples, about two oz. each, the following information was obtained through the kind offices of Derrick Costello, P.Eng., of 770 40th Ave. Lachine, P.Q., Chief Engineer of Laboratories of a large cable manufacturer and his assistant. The following was determined:

1. The qualitative analysis which should approximate the future quantitative, was

IRON	99%	
SILICA.....	0.3	
MANGANESE....	0.3	All homogeneous
ALUMINUM.....	0.3	
OTHER.....	0.1	

with minute particles of silica rock sediment embedded a few thousandths below the surface indicating an existing temperature of close to 4,000 degrees Fahrenheit at time of embedding.

When polished, the metal had a high sheen very similar to that of gun metal (Copper-90%, Tin-10%) and one not seen in any of a wide range of highly polished irons.

2. Hardness is useless to discuss until the crystallography and molecular structure are classified.
3. The absence of carbon is interesting as over 95% of meteorites studied contain varying amounts of carbon.