601 Booth Street, Ottawa, January 11, 1971

Mr. A.C.A. Howe, President, A.C. Howe International Ltd., Suite 826 - 159 Bay St., Toronto 1, Ont.

Dear Mr. Howe:

After many delays I finally have some information on the samples that Mr. Edwards sent. I have had grain mounts made for the heavy mineral fractions from three of the five samples. In all three samples the heavy mineral fractions are composed mainly of oxides - magnetite, another oxide in about equal amounts, and possibly other oxides in smaller amounts. I haven't made any serious attempt to identify the oxides. No sulphides were found in sample #3 and only minor pyrite was found in sample #1. Sample #2 contains three sulphides in subequal amounts. They are pyrite, millerite, and a mineral that belongs to the linnaeite series. Since the cell dimensions and optical properties are similar for minerals in this series, I have not been able to make a definite determination. It could be polydymite (Ni S ), violarite (Ni FeS ), siegenite (Co Ni )S , carrollite (Co Co Co Co ), linnaeite (Co Co S ), or possibly some solid solution combination of these minerals. When Roger Eckstrand has more probe work done, I will have it analyzed for these elements. The locality data that I have is as follows:

#1 - #3 Main X cut - Midnight property

#2 - Pat claims - D.D.H. core

#3 - Pat claims - surface sample

I realize that this information is rather sketchy but I hope that it will be of some value to you.

Yours truly,

R.V. Kirkham, Ph.D.