

THE UNIVERSITY OF CHICAGO

CHICAGO • ILLINOIS 60637

THE ENRICO FERMI INSTITUTE
FOR NUCLEAR STUDIES

5630 ELLIS AVENUE

March 6, 1967

Mr. Oscar E. Monnig
29 Chelsea Drive
Fort Worth, Texas 76115

Dear Mr. Monnig:

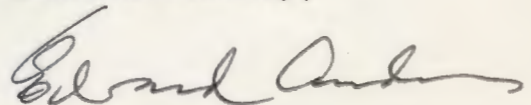
I am very glad that you are willing to try to write the forward to the Nininger issue. I think you are unduly humble about your qualifications. Even though some other people may know Nininger more intimately, you are much better known. Also, I know from your papers that you have a lucid style so that it will not be necessary for me to do much editing on your paper. I am being very practical and hard-headed about these matters, as you can see.

I wonder if you can refer me to anyone else who has a piece of the Kirbyville meteorite. I think I mentioned to you on the occasion of your visit that we are trying to follow up some intriguing correlations between fall dates and cosmic-ray ages of achondrites. Such correlations have been found for aubrites and diogenites (Fig. 1). If they are taken seriously they would seem to imply the existence of meteorite streams analogous to meteor streams, though rather more dispersed. It is quite astonishing, though, that such streams should persist for times as long as 20 or 45 m.y., with only a minority of their members being thrown out of phase by planetary deflections.

To follow up this lead we have determined the ages of a number of eucrites (Fig. 2). Once again we seem to have found some evidence for age-fall date correlations, although the situation is somewhat complicated by the existence of at least three age groups. Unfortunately, our initial set of samples was selected on the basis of fall date and we have thus covered only 8 months of the year. The restriction of fall dates may well have introduced a spurious correlation and it is thus essential that we check meteorites with fall dates in the autumn and winter months. Kirbyville (Nov. 12, 1906) is one of the few eucrites with a fall date in this period and is therefore of great importance to us. Do you know of anyone who could spare about 100 mg? Crumbs and dust are quite acceptable as long as no fusion crust is included.

Best regards.

Yours sincerely,



Edward Anders