

U13C.D

DULUTH--Twenty-seven papers including one on Lake Superior volcanic formations will be presented at an institute on Lake Superior geology April 21-22 at UMD.

Sponsored by the UMD geology department and the Lake Superior Geology club in cooperation with the University of Minnesota center for continuation study, the institute is expected to attract participants from a wide area representing professional geology, students, teachers and the general public.

Howel Williams, chairman of the University of California geology department at Berkeley, will speak at a 6:30 p.m. dinner April 21 in Kirby Student center on "Glowing Avalanches."

His talk will deal with Lake Superior volcanic deposits as viewed among the new findings of modern volcanology. Professor Williams recently completed a study of volcanic deposits in part of the Canadian Shield, an area whose southern boundary includes Duluth and the Minnesota iron ore areas.

Noted for his work in modern volcanology and igneous petrology, Professor Williams has traveled to many parts of the world in his study of existing volcanoes and their deposits.

A field trip April 20 to Beaver Bay led by Harry Gehman, Tulsa, Okla., geologist, and sponsored by the Lake Superior Geology club, will be open to those interested. The trip will require registration separate from that for the institute itself.

Among other subjects presented will be:

Precambrian iron formations, petrology of the Beaver Bay area, recent discoveries of iron ore and spodumene deposits in northwestern Ontario, recent developments in peat research; the role of water in development of Lake Superior iron ores, and geophysical developments involving Lake Superior district prospecting and magnetic properties of taconite.

Invitations to the Centennial Year institute have been sent throughout the Midwest. Details can be obtained by addressing inquiries to Institute on Lake Superior Geology, General Extension division, University of Minnesota, Minneapolis 14, Minn.

General chairman is Ralph Marsden, Duluth, manager of geologic exploration, Oliver Iron Mining division, U. S. Steel Corp. Other general arrangements committee members are Robert Heller, head and professor, UMD department of geology, arrangements; Henry Lepp, UMD associate professor of geology, program; I. L. Ried, Duluth, OIMD, and Jack V. Everett, Duluth, geologist, W. S. Moore Co.