

THE GRADUATE COLLEGE
WESTERN MICHIGAN UNIVERSITY
KALAMAZOO, MICHIGAN

Date 20th March, 1998

WE HEREBY APPROVE THE DISSERTATION SUBMITTED BY

Norman Alan Lovan

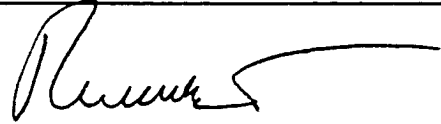
ENTITLED A Paleoclimatic Study of the Midwestern United States from the Stable
Isotope Records in Lake Sediments

AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE

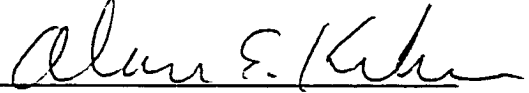
DEGREE OF Doctor of Philosophy

Geology

(Department)



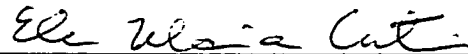
Dissertation Review Committee Chair



Dissertation Review Committee Member



Dissertation Review Committee Member



Dissertation Review Committee Member

APPROVED



Dean of The Graduate College

Date April 1998