

# The University of Michigan

to all who may read these letters, Greetings:

Hereby it is certified that upon recommendation of  
The Horace H. Rackham School of Graduate Studies  
The Regents of The University of Michigan have conferred upon

**Peter B. M. Aranas**

in recognition of the satisfactory fulfillment of the prescribed requirements  
the degree of

**Doctor of Philosophy**  
(Philosophy)

with all the rights, privileges, and honors thereto pertaining here and elsewhere.

Dated at Ann Arbor, Michigan, this seventeenth day of August, two thousand and one.

*John C. Ely*  
President



*Lisa A. Tedesco*  
Vice President and Secretary