THE JOHNS HOPKINS UNIVERSITY

OFFICE OF THE REGISTRAR
Homewood Campus
Garland Hall 75
Baltimore, Maryland 21218

THE NAME OF THE UNIVERSITY APPEARS IN SMALL BLUE TYPE ACROSS THE FACE OF THIS DOCUMENT

INTERIM CERTIFICATE

This is to certify that **Michael Kenneth Zierler** earned the award **DOCTOR OF PHILOSOPHY** from the School of Arts and Sciences on November 7, 1991.

This official interim certificate attests that all requirements for the award have been completed and that the designation cited above may be used by the holder as of the date indicated. The diploma for this award will not be formally presented until the annual commencement ceremonies in the spring. In ordering your diploma, your name will be specified as it appears above.

Howard O. Ross
Assistant Registrar

Hedy Schauer

Registrar

Michael Kenneth Zierler
122 S PATTERSON PARK AVE
BALTIMORE MARYLAND 21231
December 11, 1991

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