



1979

Commencement

Michigan Technological University



Our cover picture taken with an electron microscope is not only graphic, it is also scientific. It is a photograph of intrinsic stacking faults in a deformed metal. (Magnification is 100,000X). The first observation of stacking faults in iron was made by Takeyama and Koepel in 1963 as part of a research program on high purity iron directed by retiring MTU President R. L. Smith. In that program, normally high purity iron was further purified by repeated zone melting to yield ultra-high purity iron.

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NOTES

THE PROCESSIONAL

Many guests take pictures of the colorful academic procession but find it difficult to do so while the audience is standing. For their convenience, the audience is requested to stand only while the Color Guard passes down the aisle. The audience may then be seated until the National Anthem. Persons may stand for a better view of the procession while taking pictures.

ACADEMIC GARB

The practice of wearing academic garb extends back to medieval times and the Renaissance, when it was the custom for teachers and students in European universities to wear gowns, caps, and hoods. Although the wearing of the garb is now limited to formal occasions, the garb itself might be called the uniform of the professional scholar and teacher: and the style and colors serve as symbols of collegiate attainment.

The long sleeves of the gowns and the deep hoods were used to carry books and refreshments. Each European university developed its own style of garb with strict rules for its design. In the United States, however, most American colleges have agreed on a uniform design and color code.

The style of gown indicates the level of academic attainment of the wearer. A holder of a bachelor's degree wears an untrimmed gown with long pointed sleeves. A person who holds a master's degree wears an untrimmed gown with long closed sleeves with a slit halfway up for the arm. A holder of the doctor's degree wears a gown faced down the front with velvet, with three bars of velvet across the full sleeves.

Hoods are generally worn by holders of master's and doctor's degrees; the two degrees are represented by hoods of slightly different design. Colors of the lining of the hood indicate the college or university from which the wearer received his highest degree. For example, gold and silver stripes symbolize Michigan Technological University. The color of the velvet facing or edging indicates the field of study. You may identify some of the more common academic fields by this chart:

ACADEMIC FIELD	COLOR	ACADEMIC FIELD	COLOR
Arts and Letters	White	Humanities	Crimson
Commerce and Accountancy	Sapphire Blue	Law	Purple
Economics	Copper	Library Science	Lemon
Education	Light Blue	Philosophy	Dark Blue
Engineering	Orange	Physical Education	Sage Green
Forestry	Russet	Science	Golden Yellow

PROGRAM

Processional - Pomp and Circumstance Edgar Elgar

The Star Spangled Banner Francis Scott Key

Invocation Reverend Judith Robertson
*Bethany Lutheran Church of Keweenaw
Mohawk, Michigan*

Welcome Dr. Raymond L. Smith
President of the University

Commencement Address Admiral Elmo R. Zumwalt (retired)
*President
American Medical Buildings
Milwaukee, Wisconsin*

Conferring of Degrees in Course

Conferring of the Honorary Degree
Admiral Elmo R. Zumwalt

Presenting of the Distinguished Service Award
William H. Doerfner

Commissioning of Air Force, Army, and Marine Corps Officers

Alma Mater

Benediction Reverend Judith Robertson

Recessional Martin Shaw

Mr. Michael Earp, West Springfield, Mass.
at the MTU Wurlitzer Theater Pipe Organ.

The Commencement Marshal is Professor Arthur Weaver

MICHIGAN TECH'S 93rd ANNIVERSARY YEAR, 1978-79

Class of 1979

May Commencement

May 19, 1979

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Kurt D. Hackmeier		Bradley W. Wytcherly

UNITED STATES ARMY

William F. Creger Mark J. Martin Richard B. Singer, IV

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Ever you'll find us loyal and true
Firm and undaunted always we'll be
Hail to our MTU
Here's a toast to thee.

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