OAKLAND UNIVERSITY

1988

COMMENCEMENT
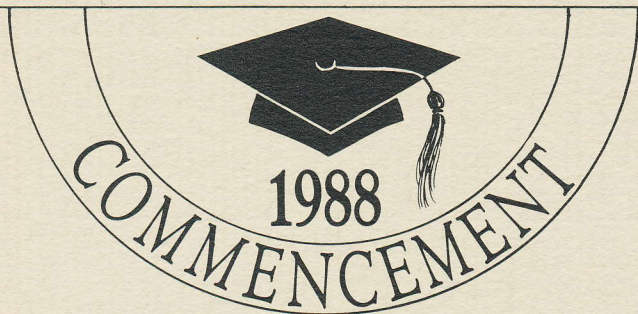
The motto of Oakland University, *"Seguir virtute e canoscenza,"* which is incorporated in its seal, has a distinguished origin: Canto XXVI, 1. 120, of Dante's *Inferno*.

These are the final words of Ulysses' great speech to his men urging them to sail on and on in pursuit of knowledge and experience of the world—even beyond the pillars of Hercules, traditionally the frontier and limit of legitimate exploration.
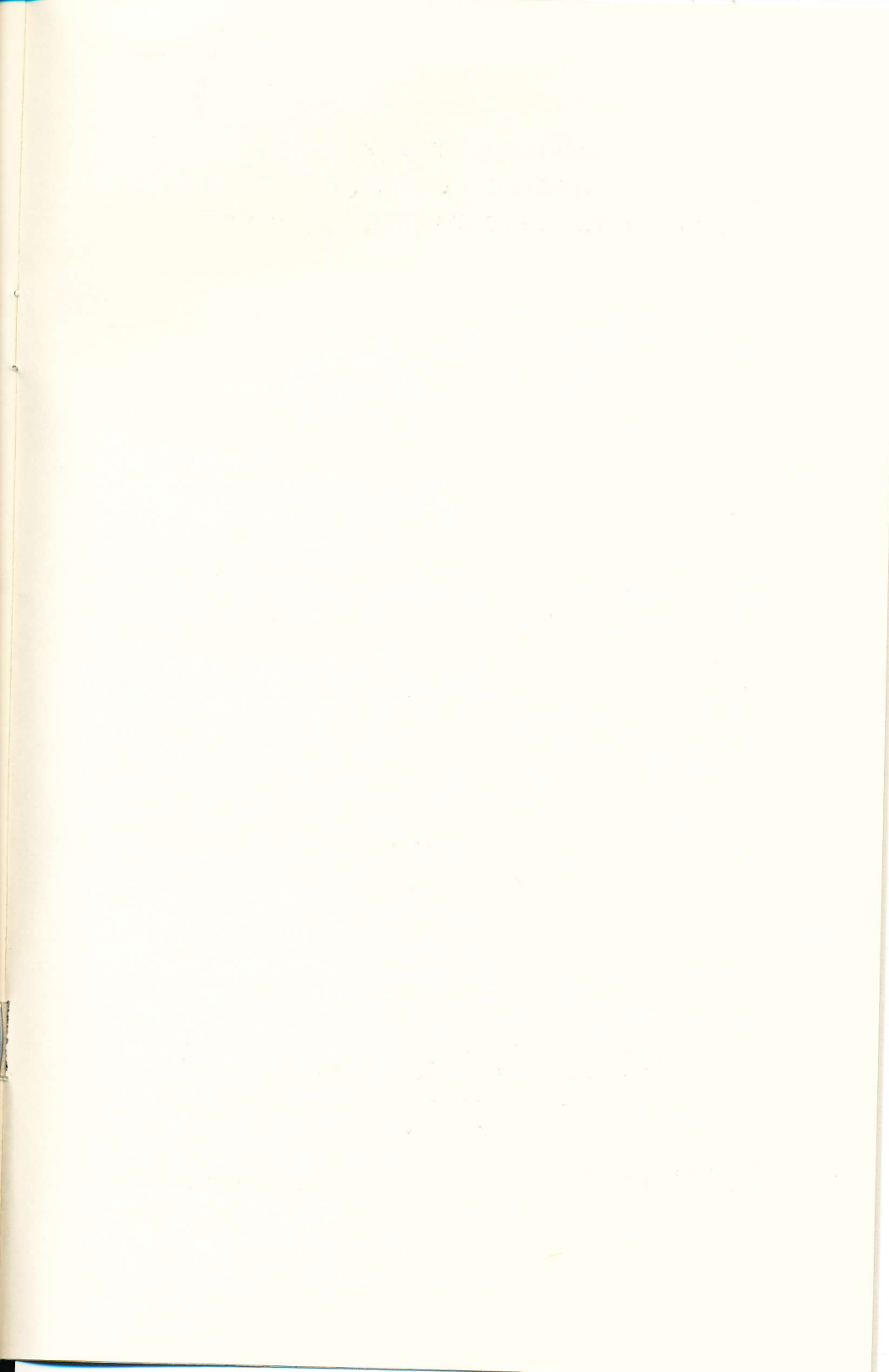
This is the three-line stanza:

> *Considerate la vostra semenza*
> *Fatti non foste a viver come bruti*
> *Ma per seguir virtute e canoscenza*

> *Consider your birth*
> *You were not made to live like brutes*
> *But to follow courage and knowledge*

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

June 4, 1988
6:30 p.m.

Howard C. Baldwin Memorial Pavilion
Oakland University
Rochester, Michigan

ORDER OF CEREMONY

Processional
Richard E. Haskell, *Marshal*
David E. Boddy, *Deputy Marshal*
Glenn A. Jackson, *Deputy Marshal*

Welcome
Bhushan L. Bhatt
Associate Dean of Engineering and Computer Science

Commencement Address
Guy D. Barnicoat, Ph.D.
Vice President and General Manager
Lectron Products, Inc.

Presentation of Honors

Presentation of Special Awards

Presentation of Candidates for the Ph.D. Degree

Presentation of Candidates for the M.S. Degree

Presentation of Candidates for the B.S. Degree

Salutation
James Nykanen
Graduating Senior

Alumni Welcome
Steven Caito, B.S. '81; *President*
School of Engineering and Computer Science Alumni Affiliate

Valediction
Joseph E. Champagne
President

Recessional

The audience is requested to stand during the processional and recessional.

ON ACADEMIC REGALIA

An edifying note contributed by a certain anonymous doctor of philosophy

On at least two solemn occasions during the academic calendar—spring and fall commencement—the faculty of the university publicly displays its full academic regalia and participates in the liturgy of processional and recessional, that curious coming and going that symbolizes the ceremony of commencement. The purposes of commencement are well known, but the reasons for the peculiar garb of the celebrants and their odd order of march are often as obscure to the audience as they are, in fact, to the faculty itself. This note may serve to explain academic dress and the professional pecking order it costumes.

Contemporary academics are descendants of clerical schoolmen in the universities of medieval Europe. Like the clergy, members of the bench and bar, and other learned professions, the medieval scholar clothed himself in heavy robes to stay warm in unheated stone buildings. Like all members of a hierarchical society, the medieval faculties rejoiced in visible insignia of rank. These outward signs of accomplishment and authority were tailored into the robes. Although the need for such voluminous garments to keep the scholar from freezing is long past, the use of them as emblems of dignity remains. You will observe that all caps and gowns worn by our faculty are black, with certain disturbing exceptions. Black was the color adopted by mutual agreement among American universities at the end of the 19th century. In Europe each university has its own distinctive gown, varying in color and cut from all others. A European academic assemblage is a far gaudier occasion than its counterpart in America. Recently, certain universities in this country rashly broke the agreement and authorized robes in their own colors: for example, the crimson of Harvard and the green of Dartmouth may be seen in our ranks. This unsuitable spontaneity has been frowned on by sister institutions, yet the mavericks not only persist in their madness, but gain adherents to their ranks with each passing year.

There are three basic academic degrees: the baccalaureate or bachelor's degree, the master's degree, and the doctorate. A special style of robe is prescribed for each. The bachelor's gown is sparsely cut, neat, but a bit skimpy and unadorned, as befits apprentices. The master's gown is still simple, but fuller, sports a sleeve of extraordinary design impossible to describe, and has a hood draped from the shoulders down the back. Once used to keep the frost from the tonsured heads of medieval clerks, the hood now is solely a badge of a degree of scholarly achievement. The master's hood is small and

narrow, but displays the colors of the institution that awarded the degree. If you knew the colors of American universities, you could easily identify whence came our masters. The doctoral robe is the most handsome of academic raiment. Generous of cut, of fine aristocratic stuff, it is faced with velvet and emblazoned with velvet chevrons on the ample sleeves. You will note that most of the velvet facings and chevrons are black, but that some are of other colors. According to personal taste, the doctor may display the color of his doctoral degree on his sleeves and facings: light blue for education, pink for music, apricot for nursing, orange for engineering, and many more. The royal blue of the Doctor of Philosophy (Ph.D.) is the most commonly seen in liberal arts institutions such as Oakland. The doctor's hood is the most elegant of all academic appurtenances. Large and graceful, it is lined in satin with the colors of the university that awarded the degree and is bordered with the color of the degree itself. Most academic costumes include the square cap called a mortarboard; the doctor's tassel may be either black or gold — tassels of all other degrees are black and stringy.

To instructed eyes, the order of march in the processional and recessional reveals the standing of individuals in the institution's formal hierarchy. In the processional the order of entrance into the hall is, quite fittingly, from most junior to most senior. The baccalaureate candidates enter first, followed successively by the masters and doctoral candidates with the whole separated from the faculty by a decent interval. In the faculty order, the instructors precede the assistant professors who in turn are followed by the associate professors. The august full professors bring up the rear. After a respectful distance come the deans who in turn are separated by a significant space from the awful majesty of the platform party, the president, the vice president, and the members of the board of trustees. All remain standing until the board is seated. After the ceremony, the order of recessional is the reverse of the processional. The greatest dignitaries stream out of the hall first, with the artfully organized ranks of priority wallowing in their wake.

It is hoped that these notes may make more intelligible the spectacle you are witnessing today. A discerning intelligence may detect in it many clues to an understanding of the academic profession as it confronts the ambiguities of the future with ancient wisdom and dignified confidence.

DEGREES AWARDED DECEMBER 1987

DOCTORY OF PHILOSOPHY

Systems Engineering
Paul Stewart Sherman
   Dissertation: *Development of New Methods of Vibration Analysis Using Holography*

MASTER OF SCIENCE

Computer and Information Science
David Abram Brown
Judy Ann Evans
David Jay Feldman
W. Douglas Gordon
Steven Don Ray
Susan Marie Weiss

Electrical and Computer Engineering
Paul Martin Boyea
Sonia N. Choksi
John Joseph McMillan
Ronald Norman Mueller

Mechanical Engineering
Barrie G. Craft
Kah Wah Long
Thomas Joseph Milewski
Thomas Christopher Sliney
Xue Feng Wang
Glen Daniel Wingblad

Systems Engineering
Mohammad Shamsul Huq

Systems and Industrial Engineering
Jeffrey Albert Abell
Scott Richard Burgett
Arthur Lee Helinski

Dorothy Bozenka Hennessy
Abdul Majeed Kadi
Gary Anthony Murawa
Nenghe Wang

BACHELOR OF SCIENCE

Computer and Information Science
Steven Andre Carly
James Arthur Clements
Mark E. Cosens
David Wade Hixon
Thomas Michael Huntoon
Lee Eric Lichlyter
Karen Marie Lombardi
Chester John Mazur
James J. Miller
Michael Joseph Moran
Lisa Marie Muster
Elizabeth Rearick
Sherry Lee Rescorla
Jose Ma D. Silerio
Gregory James Vella
Kevin Mark Wemyss
Janet Lynn Wetter
Steven Mark Zaroukian

BACHELOR OF SCIENCE IN ENGINEERING

Computer Engineering
Gary Alan Coleman
Susan Lettie Dahl
Steven Michael Helinski
Kathleen Anne Stocki

Electrical Engineering

Maria Lyn Betley
Daniel C. Boyea
Grace A. Chamberlain
Haytham Fayyad
David Wade Hixon
Janet S. Kappaz
John Paul Lang
Steven Todd Larson
David Scott Miller
Kenneth William Monville
Stephan Andrew Romanchuk
Keith Joseph Schrag
Robert J. Stocki
Michael Thaddeus Szczepanski
Robert Lawrence Townsend
Joseph M. Vermilion
Corey Duane Werth
Marie Jeanette Wilds
Rick James Wyrembelski

Mechanical Engineering

Wesley Edward Allinger
Scott A. Bodjack
Patrick Michael Brennan
Joseph Thomas Buccellato
Eric James Champa
Gregory Paul Collier
Craig A. Condon
David Bruce Halpin
Dennis M. Higgins
Natalie Irene Manastyrsky
Christopher J. Pesta
David Joseph Phillips
Lawrence Matthew Poliskie
Steven James Potok
Michael E. Rice
Charles Edmund Rutt
Shelly Marie Sevenich
Jeffrey Paul Thomas
Sheila Ann Trevaskis

Systems Engineering

Keok Swee Tan

CANDIDATES FOR DEGREES APRIL 1988

MASTER OF SCIENCE

Computer and Information Science

Jean Kuei-Cheng Chen
Shu-Hsiung Chou
Alexander Lee Dam
Rosalyn Kay Ebert
John Andrew Hartmus III
Md Nurul Huda
Felipe Kohn
Christopher Richard Rampson
Marianne L. Reid
Jeffrey C. VanHoorne
Mark Allen Webb
R. Suzanne Zeitman

Computer Science and Engineering

Yi Ho Chuang
Trieu T. Le

Electrical and Computer Engineering

Rita Bandhopadhyay
Steven Arthur Barnhart
Keith Robert Dickson
Thomas John Pecoraro
David Christopher Poirier
Henry William Reichert
John Edward Reinke
Kelly Anne Talaki
Michael Palms Williams

Mechanical Engineering

David A. Degeneffe
Paula S. Degeneffe
Mark Philip Donoghue
Douglas Allan McConnell
John J. Thomas

Systems and Industrial Engineering

Michael Robert Adkins
Renee Jeanne Bohn
Michael Howard Daien
Patrick Edward Dessert
Susan Marie Edwards-Haesler
Theresa L. Hill
Bruce Richard Klemz
Richard C. Kuisell
Madeleine Marie Miehls
Paul Robert Pedrie
James Paul Yizze, Jr.

BACHELOR OF SCIENCE

Computer and Information Science

Mary Ann Barjaktarovich
Jean Therese Brandt
Daniel R. Buckner
Pamela M. Ciuffetelli
Shaun Wesley Davis
Sherry Lynn Gatza
Mark David Gira
John H. Graham
Timothy Lee McEvoy
Brian Patrick Minnebo
Charles E. Radcliffe
Roland Joseph Schemers III
Carol Lynne Sorensen
Timothy James Thomas
David Kent Timm
Patricia Jeanne Zajko

Engineering Physics

Richard Andrew Christopher Wade

BACHELOR OF SCIENCE IN ENGINEERING

Computer Engineering
Rina Das
Raid K. Jubraeil
James Gordon Nykanen
Barry Robert Pivitt
Michael Thomas Schoenherr
Thomas R. Zerona

Electrical Engineering
Atallah Y. Abueita
Dil Afroz
Brian G. Babin
James Daniel Bauman
Gregory Francis Berry
Elizabeth Marie Berwick
Mary Elizabeth Birkmeier
Debra Lynn Cadger
Michael Gerard Chapie
Stephanie Joy Declercq
John Augustus Diemer
Kevin Michael Dunnigan
Scott John Failla
David William Foxall
Kurt C. Gabriel
Frank Joeseph Garza
Robert Joseph Guglielmo, Jr.
Michael Lee Hillis
Brian John Hayden
Jeffrey A. Kay
Lisa Ann King
David Anthony Lohmeier
Thomas Paul Lorkowski
Patricia Rene Martinez
Frank Allen Martuscelli
Carolyn Louise McCliment
Yvonne Amalia McIntyre
William Paul Miller
John Edward Moore
Patrick Fitzgerald Neff
Jan Edward Pantolin
Merrilyn Orpha Quinlan
Randolph J. Shurzinske
Ryan Michael Sketch
Wayne William Smith, Jr.

David Irwin Stillman
Sylvester Alfred Stolarczyk
Kurt Hanns Stroeters
Richard Andrew Christopher Wade
Brian Leslie Wallwey
Eric Llavore Yuzon

Mechanical Engineering
David Gerald Alt
Collin Chris Brunckhorst
Jeffery Richard Campbell
Patrick William Dennis
Joseph Paul Donato
Paul Joseph Doveinis
Lynda Kristen Fulgenzi
Randolph James Hunsberger
Scott Anthony Kelley
John A. Kimmel
Jeffrey John Kraemer
William Michael Kranker
John Albert Kubiak
John George Lipski
Darrin Scott Mallard
Robert Joseph Martin
Paul Steven Pakizer
Mark Alan Peterson
Jeffrey Alan Tangen
John William Waters II

Systems Engineering
Dwight David Ewing
David Edmund Gross
Paul M. Mychalowych
J. Gary Sochanski
Bruce William VerBurg

ABOUT HONORS
AND AWARDS

On the occasion of commencement, the university offers special recognition to those students who have attained outstanding levels of academic achievement and service.

Students who have demonstrated superior performance in the courses of their major subject area are awarded School Honors. The faculty of the School of Engineering and Computer Science has elected several graduating seniors to receive School Honors in engineering or in computer science.

The University Senate of Oakland University has established three levels of University Honors to recognize superior academic performance in all subject areas. Students who have completed at least 62 credits of study at Oakland University and whose cumulative grade point average ranges between 3.60 and 3.74 graduate *cum laude*. A student who has earned a grade point average between 3.75 and 3.89 graduates *magna cum laude*.

Students attaining the highest academic level, grade point averages of 3.90 and above, graduate *summa cum laude*.

Additionally, the faculty of the School of Engineering and Computer Science has created several awards to honor graduating seniors who have distinguished themselves by truly outstanding scholarship in engineering studies, by outstanding technical development toward the engineering professional and by exemplary service to the school. These special awards are marked by the presentation of certificates and prizes to the recipients and also by the engraving of the recipients' names on permanent commemorative plaques in Dodge Hall of Engineering.

The faculty extends most hearty congratulations to all of the students receiving honors and awards at this commencement exercise.

HONORS AWARDED DECEMBER 1987

UNIVERSITY HONORS

MAGNA CUM LAUDE
Maria Lyn Betley

DEPARTMENTAL HONORS

Computer and Information Science
Steven Carley
Mark E. Cosens
Thomas Huntoon

Computer Engineering
Susan L. Dahl

Electrical Engineering
Maria Lyn Betley

Mechanical Engineering
Natalie Manastyrsky
Jeffrey Thomas

APRIL 1988

UNIVERSITY HONORS

SUMMA CUM LAUDE
Brian Leslie Wallwey

MAGNA CUM LAUDE
David Gerald Alt
Sherry Lynn Gatza

CUM LAUDE
Robert Joseph Martin
James Gordon Nykanen
Barry Robert Pivitt
Merrilyn Orpha Quinlan
Michael Thomas Schoenherr
Timothy James Thomas

DEPARTMENTAL HONORS

Computer Engineering
Barry Robert Pivitt

James Gordon Nykanen
Michael Thomas Schoenherr

Computer and Information Science
Pam Ciuffetelli
Sherry Lynn Gatza
John Graham
Timothy McEvoy
Roland Schemers
Carol Sorensen
Timothy James Thomas

Electrical Engineering
Gregory Berry
Michael Hillis
Merrilyn Orpha Quinlan
Ryan Sketch
Brian Leslie Wallwey

Mechanical Engineering
David Gerald Alt
Robert Joseph Martin
Paul Pakizer

BOARD OF VISITORS