ancer for sing chine I day us to sur dones on ne Douce 1. 黄色,颜色 镇等 vekeers of Auchioneon's sleene pera Flies hun; they four life, and There ver 3 - 3 go go to Charles Continues WM) HVM) Soo grade ed once and Killed once More the tune then place words but hold, with De West in Lay get full heald of Thea

# THE GRADUATE SCHOOL SCHOOL BULLETIN KENT STATE UNIVERSITY KENT, OHIO 44242 CATALOG-1971-72

#### **COVER**

Two manuscript scores of a new composition by Professor El-Dabh are shown. The composition, "Opera Flies," is for seven singers, three choruses and wind orchestra with percussion. The opera deals with American Humanism challenged by the incident which occurred at Kent last May.

### **ACCREDITATION**

Kent State University is accredited by the North Central Association of Colleges and Secondary Schools, American Association of Collegiate Schools of Business, American Board of Examiners in Speech Pathology & Audiology, American Library Association, American Psychological Association, National Architectural Accrediting Board, National Association of Schools of Art, National Association of Schools of Music, the National Council for Accreditation of Teacher Education, and the National League for Nursing.

Volume LIX

Number 6 and 7

Published monthly by Kent State University, Kent, Ohio
KENT STATE UNIVERSITY BULLETIN
JULY 1971

Entered as second class matter at the post office at Kent, Ohio 44242

# TABLE OF CONTENTS

UNIVERSITY ADMINISTRATION	5
ACADEMIC ORGANIZATION	6
DEPARTMENT CHAIRMEN	7
GRADUATE COUNCIL	8
GRADUATE STUDENT COUNCIL	9
Research Committee	10
GRADUATE SCHOOL CALENDAR	11
THE UNIVERSITY	15
THE GRADUATE SCHOOL	23
THE DOCTORAL PROGRAMS	41
THE MASTER'S PROGRAMS	47
SPECIAL NON-DEGREE STUDENTS	61
Transient Students	62
Courses of Instruction	63
THE GRADUATE FACULTY	285
Index	305
CAMPUS MAP	310
Directory of Communications	315

# UNIVERSITY ADMINISTRATION

## **BOARD OF TRUSTEES**

	Term Expires
ROBERT L. BAUMGARDNER, Westlake	1978
KENNETH W. CLEMENT, M.D., Cleveland	1974
ROBERT C. DIX, President, Kent	1973
CLAYTON G. HORN, Canton	1971
CYRIL R. PORTHOUSE, Kent	1972
ROBERT H. STOPHER, Vice-President, Akron	1976
WILLIAM D. TAYLOR, Hartville	1979
ROBERT E. TSCHANTZ, M.D., Canton	1977
WILLIAM M. WILLIAMS, Akron	1975

SUE GAMBACCINI, Secretary
FREDERICK H. BAUER, Treasurer

### **EXECUTIVE OFFICERS OF THE UNIVERSITY**

ROBERT I. WHITE, Ph.D., L.H.D., L.L.D., Pd.D. President [Resignation effective September 15, 1971]
DAVID A. AMBLER, Ed.DVice-President for Student Affairs
RICHARD E. DUNN, B.SVice-President for Business
Bernard Hall, Ph.DVice-President and Provost
RONALD W. ROSKENS, Ph.DVice-President for Administration
RONALD S. BEER, Ph.DGeneral Executive Assistant to the President
WILLIAM W. CONVERSE, Ed.DExecutive Assistant to the President for University Planning and Analysis
Frederick H. Bauer, B.S
MILO R. LUDE, M.ADirector of Intercollegiate Athletics

# **ACADEMIC ORGANIZATION**

BERNARD HALL, Ph.D.	Vice-President and Provost
	Associate Provost
BENJAMIN G. McGINNIS. Ed.D.	
,,,,,,,,,,,,,	Educational Services
	. CAMPUSES
	Dean
THOMAS L. LAMB, M.Ed.	Associate Dean
NATALE A. SICURO, Ph.D	Assistant Dean
COLLEGE OF AR	TS AND SCIENCES
	Dean
RIDOLPH O RITTIAN Ph D	Associate Dean
THOMAS R KNIPP Ph D	
THOMAS S. KORLLOS. M.A.	Assistant Dean
THOMAS D. RORLLOS, W.M	
COLLEGE OF BUSIN	ESS ADMINISTRATION
GAIL E. MULLIN, D.B.A.	Dean
JOHN RYANS, JR., D.B.A.	Associate Dean
ALBERT C. HEINLEIN, Ph.D	Assistant Dean
6011 man 01	T TOTAL TION
	F EDUCATION
Angura B. Hayanyaya Bh.D.	Dean
	Assistant Dean Assistant Dean
J. KEITH VARNEY, FIL.D	Assisiani Dean
	D PROFESSIONAL ARTS
	Dean
CHARLES W. KEITH, Ph.D.	Assistant Dean
CRADIIATE SCHO	OL AND RESEARCH
	Dean, Graduate School and Research
ALAN H. COOGAN, Ph.D. Associa	te Dean, Graduate School and Research
DANIEL C. JONES, J.D.	Director of Research Administration
	·
	PHYSICAL EDUCATION CREATION
CARL E. ERICKSON, Ed.D.	Dean
MATTHEW C. RESICK, Ph.D	Associate Dean
BEVERLY L. SEIDEL, Ed.D	Acting Assistant Dean
HONORS AND EXPERIMENTAL COLLEGE	
	Dean
Wester C 7 Aveca DLD	Associate Dean
WESLEI C. ZAINUR, FII.D	Associate Dean

### SCHOOL OF LIBRARY SCIENCE

GUY A. MARCO, Ph.D.	Dean
KATHRYN M. McCHESNEY, M.L.S.	Assistant Dean

### LIBRARY

HYMAN W. KRITZER, M.S.L.S. .... Assistant Provost and Director of Libraries

# **DEPARTMENT CHAIRMEN**

Architecture	Joseph F. Morbito, M.Ed.  Registered Architect
Art	
Biological Sciences	
Business Administration	GAIL E. MULLIN, D.B.A.
Chemistry	
Economics	Robert J. Saunders, Ph.D.
Education	
English	
Geography	JORDAN A. HODGKINS, Ph.D.
Geology	E. A. Frederickson, Ph.D.
Germanic and Slavic Languages	WALTER L. DEVOLLD, Ph.D.
Health and Physical Education	
History	
Home Economics	THEODORE IRMITER, Ph.D.
Journalism	
Library Science	
Mathematics	
Music	
Philosophy	
Physics	
Political Science	
Psychology	SEYMOUR H. BARON, Ph.D.
Romance Languages and Classics	
Sociology and Anthropology	
Speech	
Technology	Charles W. Keith, Ph.D.
For the following Graduate Major members serve as Major Advisers:	Curricula, the below listed faculty
members serve as major Advisers.	
Chemical Physics	
Educational Psychology	
Rehabilitation Counseling	Keith E. Palmerton, Ph.D.
Social ScienceDrs. Pov	wnall, Monteith, Bordne, Taylor

# **GRADUATE COUNCIL**

JAMES W. MCGRATH, Ph.D., Chairma	nProfessor of Physics  Dean. Graduate School and Research
John D. White, Ph.D  Bruce Harkness, Ph.D	Professor of Music
BRUCE HARKNESS, Ph.D.	Professor of English
GAIL E. MULLIN, D.B.A.	Dean, College of Arts and Sciences  Professor of Economics  Administration
ROBERT J. ALFONSO, Ph.D.	Professor of Secondary Education Dean, College of Education
(To be appointed)	College of Fine and Professional Arts
HYMAN W. KRITZER, M.S.L.S.	Professor, Library Administration Director of Libraries
ELMER E. BJERREGAARD, M.Arch	Associate Professor of Architecture Professor of History
Frank L. Byrne, Ph.D	Graduate Student Social Sciences
H. J. EYMAN, B.SGraduate Stud	lant Natural Sciences and Mathematics
BENJAMIN A. FOOTE, Ph.D	
EDWARD H. FRIEDEN, Ph.D.	Projessor of Chemistry
HELMUT GERMER, Ph.D.	Germanic & Slavic Languages
LAWRENCE A. GOLDING, Ph.D	Professor of HPE&R
MORTON GROSSMAN, B.A	Associate Professor of Art
KAREN HANEY, B.S.Ed.	Graduate Student, Education
JORDAN A. HODGKINS, Ph.D	Professor of Geography
THEODORE F. IRMITER, Ph.D	Professor of Home Economics
THEODORE Y. JOSEPH, B.A., B.S	Graduate Student, Professional Arts
JACOB LEED, Ph.D.	Associate Professor of English
FRANK A. MARSCHIK, Ed.D.	
BARRY B. MILLER, Ph.D.	Associate Professor of Geology
WILLIAM C. MONROE B.Arch.	Graduate Student, Fine Arts
J. STEPHEN NEWMANN, M.A.	Graduate Student Humanities
JOHN H. PARKS, Ph.D. Profe	seens of Romance Languages & Classics
	Associate Professor of Mathematics
DAVID C. RICCIO, Ph.D.	
	Professor of Library Science
POPERT I CATRIDERS Dh D	Associate Professor of Economics
ANTHONY A SHAME DE D	Professor of Physics
WATHONI A. SILVIDI, FILD.	Professor of Physics duate Student, Business Administration
KALYANMAL SINGHAL, M.B.AGra	auate Student, Business Administration
Monro Cracerna Ph D	
PICHARD W TAYLOR DE D	Professor of Sociology & AnthropologyProfessor of Political Science
HABOLD VAN WINELE Ed D	Projessor of Founcial Science Professor of Journalism
TAMES I WATERS Ph D	Associate Professor of Music
ARTHUR M. WHEELER, Ph.D.	Associate Professor of Philosophy
	namber at present for the Department

NOTE: There is no elected faculty member at present for the Department of Business Administration.

# **GRADUATE STUDENT COUNCIL**

Doris Andrie, B.S.	Graduate Student, Art
Andrew J. Balash, B.A Graduate Stude	ent, Romance Languages & Classics
KAREN A. BYERLY, B.AGraduate	Student, Sociology & Anthropology
MILTON L. COOPER, B.S	Graduate Student, Geology
John H. Daily, M.A.	.Graduate Student, Political Science
JOSEPH W. DAVIDSON, B.B.A	Graduate Student, Economics
WILLIAM C. DAY, B.S.	Graduate Student, HPE&R
H. J. EYMAN, B.S	Graduate Student, Chemistry
KAREN HANEY, B.S.Ed.	Graduate Student, Education
THEODORE Y. JOSEPH, B.A., B.S	Graduate Student, Journalism
GERDA T. KIM, B.AGraduate Stu	dent, Germanic & Slavic Languages
PAUL M. KUHNERT, M.SG	raduate Student, Biological Sciences
WILLIAM C. MONROE, B.Arch.	Graduate Student, Architecture
J. Stephen Newmann, M.A	Graduate Student, English
GORDON R. NICHOLS, B.A.	Graduate Student, Library Science
DONALD C. PEACE, B.S	Graduate Student, Technology
Sylvia G. Pengilly, G.G.S.M	Graduate Student, Music
MARGARET E. RALSTON, B.A	Graduate Student, Psychology
WILLIAM A. RESCH, B.S.	Graduate Student, Physics
Joan L. Schaeffer, B.A	Graduate Student, Philosophy
STEVEN A. SHAROFF, B.A	Graduate Student, History
KALYANMAL SINGHAL, M.B.AGradua	ste Student, Business Administration
CHARLES G. WAUGH, M.A.	Graduate Student, Speech
Tina A. Weisberg, B.S	Fraduate Student, Home Economics
E. STEVENS YOUNG, B.S.	Graduate Student, Geography
NOTE OF A LOCAL CONTROL OF	tudent comban at massest for the

NOTE: There is no elected graduate student member at present for the Department of Mathematics.

## RESEARCH COMMITTEE

CARL AURIA, D.Ed., Chairman	Associate Professor, Special Education
JOSEPH L. BAIRD, Ph.D.	Associate Professor, English
ALAN H. COOGAN, Ph.D.	Associate Professor, Geology
Associ	ate Dean, Graduate School and Research
EDWARD H. FRIEDEN, Ph.D	Professor, Chemistry
JOHN A. FRIDY, Ph.D	Associate Professor, Mathematics
GEORGE S. GOODELL, Ph.D	Professor, Economics
BERNARD HALL, Ph.D.	Professor, Economics
	Vice-President and Provost
LAWRENCE S. KAPLAN, Ph.D	Professor, History
ALFRED G. KIESELBACH, D.Ed	Professor, Art
JAMES W. McGRATH, Ph.D	Professor, Physics
	Dean, Graduate School and Research
E. LINDSEY MERRILL, Ph.D.	Director, Professor, Music
ROBERT E. MORIN, Ph.D.	Professor, Psychology
WILLIAM A. RODGERS, Ed.D	Associate Professor,
	Educational Administration
ROBERT D. SMITH, Ph.D.	Associate Professor, Management
RICHARD W. TAYLOR, Ph.D	Professor, Political Science

### GRADUATE SCHOOL OFFICE HOURS

Monday - Friday 8:00 A.M. - 5:00 P.M.

(Closed 12:00 Noon - 1:00 P.M.)

Saturday 8:00 A.M. - 12:00 Noon

101 Kent Hall

Area Code - 216 672-2660

# GRADUATE SCHOOL CALENDAR

### 1971-72

### Fall Quarter-1971

August 14	Saturday	Last day to file application and transcripts with Graduate School to begin work in Fall Quarter.
Sept. 25	Saturday	Workshop on College Teaching.
Sept. 27, 28	MonTue.	Registration.
Sept. 29	Wednesday	Classwork begins.
October 9	Saturday	Last day to file application for December graduation for doctoral and master's candidates.
October 30	Saturday	Final date for oral examination of doctoral and master's candidates planning December graduation.
Nov. 24	Wednesday	All candidates for December graduation must have dissertation or thesis and abstract filed in Graduate School Office.
Nov. 25-26	ThursFri.	Thanksgiving recess.
Dec. 13-17	MonFri.	Examination week.
Dec. 18	Saturday	Commencement.
	Win	ter Quarter—1972
Dec. 4	Saturday	Last day to file application and transcripts with Graduate School to begin work in Winter Quarter.
Jan. 3	Monday	Final Registration and Change of Program.
Jan. 4	Tuesday	Classwork begins.
Jan. 8	Saturday	Last day to file application for March

dates.

graduation for doctoral and master's candi-

Feb. 12	Saturday	Final date for oral examination of doctoral and master's candidates planning March graduation.
March 1	Wednesday	Deadline for application for NASA and NSF Traineeships and NDEA Doctoral Fellowships. (Apply to Department.)
March 4	Saturday	All candidates for March graduation must have dissertation or thesis and abstract filed in Graduate School Office.
March 15	Wednesday	Deadline for receiving nominations from departments for NSF and NASA Traineeships and NDEA Fellowships.
March 13-17	MonFri.	Examination week.
March 18	Saturday	Commencement.

## Spring Quarter—1972

Feb. 26	Saturday	Last day to file application and transcripts with Graduate School to begin work in Spring Quarter.
March 27	Monday	Final Registration and Change of Program.
March 28	Tuesday	Classwork begins.
April 1	Saturday	Last day to file application for June graduation for doctoral and master's candidates.
May 6	Saturday	Final date for oral examination of doctoral and master's candidates planning June graduation.
May 20	Saturday	All candidates for June graduation must have dissertation or thesis and abstract filed in Graduate School Office.
June 5-9	MonFri.	Examination week.
June 10	Saturday	Commencement.

### First Summer Term—1972

May 13	Saturday	Last day to file application and transcripts with Graduate School to begin work in Summer Quarter.
June 16	Friday	Final Registration and Change of Program. (Date tentative, verify with Registrar's Office.)
June 19	Monday	Classwork begins.
June 24	Saturday	Last day to file application for August grad- uation for doctoral and master's candidates.
July 5	Wednesday	Deadline for receiving Graduate Student Appointment forms for graduate assistants, graduate research assistants, and teaching fellows receiving fall appointments.
July 21	Friday	Classes end.

### Second Summer Term-1972

		Registration — Second Term registration to be completed concurrently with First Term or prior to start of classes. Consult Registrar's Office for procedures.
July 22	Saturday	Final date for oral examinations of doctoral and master's candidates planning August graduation.
July 24	Monday	Classwork begins.
August 12	Saturday	All candidates for August graduation must have dissertation or thesis and abstract filed in Graduate School Office.
August 25	Friday	Classes end.
August 26	Saturday	Commencement.

### Fall Quarter—1972

January 8 Saturday

Last day to file application and transcripts for students applying for a graduate assistantship for Fall Quarter.

(Note: There may be minor changes in the dates listed above. The University reserves the right to make such changes whenever conditions or circumstances warrant such.)



## THE UNIVERSITY

Kent State University, founded in 1910, is maintained by the State of Ohio. It is controlled by a board of nine trustees appointed by the governor, subject to confirmation of the State senate, and is supported largely by legislative appropriation, supplemented by student fees.

The location of the University, in the densely populated section of Northeastern Ohio, is such that within a 50-mile radius of the institution are nearly one-half of the population and two-thirds of the State's wealth. Although a considerable proportion of the people in this section are engaged in farming, the majority are employed in industry and commerce.

# The Aims of the University

Kent State University is dedicated to teaching the many who want to learn, to advancing knowledge, and to providing appropriate public service. The University, with the singular advantages of a large residential state university located in the heart of the most heavily populated section of Ohio, is both a community of scholars and an important intellectual, cultural, scientific, and technological resource for its megalopolitan area. The teaching, research, scholarly publication, and professional activities of its faculty have established it as a dynamic institution of growing eminence in American higher education.

The University's primary concern is the student. It endeavors to provide the academic atmosphere, the human associations, and the discipline vital to the student's sound intellectual growth and character development. The various programs of curricular and extracurricular activities are designed to stimulate his curiosity, broaden his perspective, enrich his awareness, deepen his understanding, establish disciplined habits of thought, prepare him for a vocation, and help him realize his potential as an individual and as a responsible and informed member of society.

The University will continue to develop as an active center of learning whose scholars extend the boundaries of knowledge and culture of the populous area it serves. The University supports the research and other creative work of its faculty and students to encourage these activities for their own sake and also to vitalize teaching at both the undergraduate and graduate levels.

Kent State University, like other large American state universities, combines service with teaching and research, and will make available its rich variety of cultural, educational, technical, and other resources to its area, to the State of Ohio, to the nation, and to the international community.

## Organization

The University includes the College of Education, the College of Arts and Sciences, the College of Business Administration, the College of Fine and Professional Arts, the Honors and Experimental College, the Regional Campuses, the School of Architecture, the School of Art, the School of Health, Physical Education & Recreation, the School of Journalism, the School of Library Science, the School of Music, the School of Nursing, the School of Speech, the School of Technology, and the Graduate School. Detailed information will be found in the General Catalog under these headings.

### Location

Kent, a city of more than 28,000, is situated on the banks of the Cuyahoga River, in Portage County, 11 miles east of Akron, 33 miles south of Cleveland, 40 miles west of Youngstown, and 28 miles north of Canton.

The University is on a beautiful campus of 1,581 acres (including the airport and an 18-hole golf course), most of which were purchased in 1948 to provide for continued expansion of facilities required by increasing student enrollment. Many of the buildings are arranged in a semicircle near the crest of a wooded hillside, from which one looks down upon Kent and the surrounding country.

While the University is within walking distance of the main business district of the city, it is sufficiently removed to provide the quiet necessary for study. Kent is near enough to large urban centers so students may take advantage of the cultural opportunities which they afford.

## **Buildings and Facilities**

The University's physical plant has been expanded to meet the needs of full-time student enrollment which increased from 2,700 in 1941 to more than 20,000 in 1970. Its buildings, grounds and equipment are valued at some \$121 million.

There are a total of 96 buildings on campus. During the past year a new 12-story library and an ice arena were completed. Currently under construction is a university center, and a complete renovation of McGilvrey Hall is continuing. Present plans call for work to begin soon on a business administration building, an art building, and 300 additional married student housing units.

## **Computer Center**

The Computer Center operates an IBM 1130 and a Burroughs 5500 with customary peripheral equipment. Professor Byron B. Dressler, of the