

MINUTES OF THE UNIVERSITY SENATE, JANUARY 12, 1970

The University Senate met in regular session at 4:00 p.m., Monday, January 12, 1970, in the Court Room of the Law Building. Chairman Plucknett presided. Members absent:

Robert Aug*, Henry H. Bauer, Wendell E. Berry, Norman F. Billups*, Ben W. Black*, L. L. Boyarsky, Wallace N. Briggs, Marion A. Carnes, Clyde R. Carpenter, Glenn B. Collins*, Carl B. Cone*, Robert J. DeAngelis, Jesse DeBoer*, David E. Denton*, Henry F. Dobyns, Fred Edmonds*, Joseph Engelberg*, Joseph B. Fugate*, Roy F. Gabbard, Milton E. Gellin*, Peter P. Gillis, William A. Gordon, Holman Hamilton*, Virgil W. Hays*, James W. Herron*, Alfred S. L. Hu, Eugene Huff, John W. Hutchinson*, Donald W. Ivey, Mary F. James*, Vernon L. James*, John E. Kennedy, Robert W. Kiser*, James F. Lafferty*, Melvin J. Lerner, Richard S. Levine, John L. Madden*, Paul Mandelstam*, Michael P. McQuillen, Thomas M. Olshewsky, Harold F. Parks*, Albert W. Patrick*, Nicholas J. Pisacano*, John W. Roddick*, John W. Schaefer, Rudolph Schriels, George W. Schwert*, D. Milton Shuffett*, Emily V. Smith*, Raymond A. Smith, Stanford L. Smith*, Thomas B. Stroup*, Carl D. Tatum, Richard Thurston*, William J. Tisdall, William S. Ward*, Paul M. Weeks*, David R. Wekstein, David C. White*, Lawrence A. Allen, Charles E. Barnhart, Marcia A. Dake*, George W. Denemark*, Robert M. Drake, Jr.*, Stuart Forth*, Charles P. Graves*, Jack B. Hall*, Joseph Hamburg, Ellis F. Hartford, William L. Matthews, Jr., John C. Robertson*, George J. Ruschell, Otis A. Singletary*, William R. Willard*.

The Senate granted permission to Nancy Clarke, a reporter for WLAP and WHAS, to attend and report.

The minutes of the Senate meetings of December 1 and December 8, 1969, were approved as circulated.

On behalf of the College of Dentistry, Dr. Harold Laswell presented the following Resolution on the death of Dr. Arthur W. Aplin. The Senators stood for a moment of silence in respect to Dr. Aplin and in acceptance of the Resolution.

At the age of 41 and in his thirteenth year in dental education, Dr. Arthur W. Aplin, Associate Professor in the University of Kentucky College of Dentistry, was killed in an auto accident on Friday night, December 12. He is survived by his wife, Sydney, and three children, Allen, 8; Tracey, 7; and Amy, 2.

Formerly of the Northwest, Dr. Aplin received his B.S., D.M.D., and M.S.D. degrees at the University of Oregon. He was Associate Professor of Operative Dentistry at the University of Oregon before coming to the University of Kentucky in 1964.

His research and teaching activities were extensive. A publisher of many articles and abstracts, his expertise in the area of fixed prosthodontics and occlusion was nationally recognized. Although he achieved excellence as a clinician, his basic approach was to seek answers to technical problems from scientific sources. Besides directorships and participation in many dental courses both at an undergraduate and at a post-graduate level, Dr. Aplin was President of Omicron Kappa Upsilon (the dental honor society), a member of the Admissions Committee, the Professional Conduct Code Advisory Committee, and supervised the treatment of patients requiring extensive restorative care.

*Absence explained

However, only those who knew him well can understand the loss that the University of Kentucky and the dental profession has suffered. His zest for accomplishment in the field of dentistry can best be acknowledged by the great amount of time that he spent at the University and his constant willingness to be available any day of the week, any hour of the day for the benefit of the student. Nothing had higher priority in his career than an individual relationship with a student.

The sincerity and excitement for dentistry with which he influenced both colleague and student has made a great impression and will always be remembered. His genuineness, honesty, and unselfish dedication to his profession make his replacement an almost impossible task.

May the Senate accept this resolution in respect for a life devoted to teaching and in deepest sympathy with his wife and friends for whom his loss is truly irreplaceable.

Chairman Plucknett presented the newly elected members of the Senate Council to the Senate. These are: Staley F. Adams, College of Engineering; Sheldon Rovin, College of Dentistry; and Timothy H. Taylor, College of Agriculture.

The Chairman announced the new officers of the Senate Council. These are William K. Plucknett, Chairman; Nicholas J. Pisacano, Vice Chairman; and Thomas R. Ford, Secretary.

On behalf of the Senate Council, Dr. Ford, its Secretary, presented a recommendation of the Rules Committee that the University's requirement for the collection of mid-semester grades (Rules of the University Senate, Revised and Updated July, 1969) be suspended for the period January 1, 1970 through May 8, 1971; that the Undergraduate Council study the effect of this suspension of the practice; and that the results of this study be reported to the University Senate by the Chairman of the Undergraduate Council no later than September, 1971. (This recommendation had been circulated to the teaching faculty under date of December 19, 1969.)

Following discussion, motion was made and seconded to amend the recommendation to insert between the words "suspended" and "for" the phrase "except for students with freshman classification". By a vote of 81 to 44 the Senate defeated this amendment.

The Senate then approved the original recommendation as presented.

On behalf of the Department of Mathematics, Professor Raymond Cox requested a waiver of the Rules of the University Senate involving circulation and processing procedures to the University faculty and the appropriate Councils in order to allow consideration by the University Senate of the proposed revision in the Major in Mathematics for incorporation into the University Catalogue for 1970-71. (This proposed revision was circulated to the teaching faculty under date of January 5, 1970.) The Senate voted to set aside the Rules.

Professor Cox then presented a recommendation that the proposed change in the Department of Mathematics major as described in the memorandum of January 5, 1970 be approved.

Motion was made to amend this recommendation to accept the program conditionally for one year and that acceptance beyond one year depend on approval of the program through the normal channels. The Senate defeated this amendment.

Motion was then made to amend the original motion to add at the end of paragraph II. C. the additional fields of Engineering and Agriculture. The Senate approved this amendment.

The Senate then approved the original recommendation as presented by Professor Cox, and amended, with the understanding that it will become effective with the 1970 Spring Semester but will be applicable only to those students who are beginning their junior year in the 1970 spring semester. The change in the Department of Mathematics major, as amended, and approved, reads as follows:

Proposed Major for the Bachelor of Arts and Bachelor of Science Degrees
with a Major in Mathematics

I. General Studies Requirements: Same as College requirements.
In Area IV, French, German, or Russian are recommended.

II. Major Requirements:

A. MA 113-114, 213, 214 or equivalent

B. A minimum of 18 credits in upper division courses in mathematics, to include a semester of at least four of the following five sequences, and a year of at least one sequence:

1. MA 351, 352 (Topology)
2. MA 361, 362 (Algebra)
3. MA 441, 442 (Geometry)
4. MA 471, 472 (Analysis)
5. MA 481, 482 (Applied Mathematics)

C. Field of Concentration requirements: 14 credits of non-freshman courses outside mathematics but in related fields. Any field to which mathematics has been significantly applied is acceptable. Examples: physics, chemistry, biology, philosophy, economics, statistics, computer science, political science, engineering and agriculture.

III. Recommended courses for students with special interests.

A. Teaching in secondary schools: MA 361, MA 341 or 441, MA 471, MA 472, MA 371, MA 261.

B. Work in industry or government: MA 421, MA 471, MA 472, MA 481, MA 482, STA 421, STA 423, MA 433, plus work in computer science.

C. Preparation for graduate work: MA 352, MA 362, MA 442, MA 472, MA 433.

The Dean of Admissions and Registrar presented the list of candidates for degrees at the December 20, 1969 Commencement, which had been made available to the Senators as they entered the meeting, and certified that they had completed all requirements with the exception of candidates for the degree of Juris Doctor; that candidates for this degree had been recommended by the College of Law, subject to successful completion of all course work for which they were registered in the Fall Semester, 1969. He recommended that the candidates be approved by the Senate with the exception as noted, and that the Senate recommend approval to the Board of Trustees. The Senate approved the recommendation as presented.

OFFICE OF ADMISSIONS AND REGISTRAR

CANDIDATES FOR DEGREES

December 20, 1969

GRADUATE DEGREES		Education	
Ph.D	38	A.B. Educ.	198
Ed.D	4		
Ed.S	1	Commerce	
M.A.	30		
M.S.	14	B.S. Com.	42
M.S. in Agr.	6	B.S. Acct.	28
M.S. Agr. Engin.	1	B. Bus. Admin.	52
M.S. C.E.	3	B.S. Bus. & Eco.	11
M.S. Civ. E.	2		
M.S.E.E.	2	TOTAL	133
M.S.M.E.	3		
M.S. Met. E.	2	Pharmacy	
M.S. Nuc. E.	1		
M.A. in Educ.	19	Pharm.D.	2
M.S. in Educ.	3	B.S. Phar.	1
M.S. in Acct.	3		
M.B.A.	7	TOTAL	3
M.S. L.S.	15	Architecture	
M.M.	2		
M.S. H.E.	1	B. of Arch.	3
M.S. Sta.	2		
TOTAL	159	Allied Health	
		B.S. Dent. Hyg.	1
PROFESSIONAL DEGREES		B.S. Med. Tech.	5
Juris Doctor	27	B.S. Phys. Ther.	1
		B.S. Com. Hlth.	2
UNDERGRADUATE DEGREES		TOTAL	9
Arts & Sciences		Home Economics	
B.A.	121		
B.S.	42	B.S. Home Eco.	12
B.M.	8		
TOTAL	171	SUMMARY	
Agriculture		Graduate Degrees	159
B.S. Agri.	44	Professional Degrees	27
		Undergraduate Degrees	673
Engineering		TOTAL	859
B.S. Agri. Engr.	3		
B.S. Chem. Engr.	3		
B.S. Civil Engr.	32		
B.S. Elec. Engr.	34		
B.S. Mech. Engr.	26		
B.S. Met. Engr.	2		
TOTAL	100		

GRADUATE SCHOOL

Lewis Wellington Cochran, Dean

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Mary Regalis Althausser
Clyde Thomas Bates
Bruce D. Bowen
Michael Lipscomb Campbell
Donald Keith Carson
Kuo-Ching Chung
William Bramwell Clifford II
Carole Jean Coffee
Gabriel Angel de los Reyes
Thomas P. Dunn
James Joseph Egan
Ray Kenneth Hammond
Douglas Wilford Hatfield
Philip Wade Jeffress
Douglas Barr John
James Lavaughn Johnson
William Weisiger Johnson
William Hugh Kipp
David Edwin Kissel

George Chao-Tsi Kung
Ronald Dale Long
David Melvin McKown
Alan Edgar Moulton
John LeRoy Omdahl
Georgia Pappanastos
John Richard Pfeiffer
Glen Gray Possley
Richard William Postma
Billy Reese Prebble
William Kirk Richardson
Edward Seidman
Sang-ok Chang Seo
A. Karim H. Shallal
Robert Roland Sharp
Robert G. Turner
Philip Ray Utley
Suh-jen Chang Yau
Anthony Wayne Young

CANDIDATES FOR THE DEGREE OF DOCTOR OF EDUCATION

Seth Farley
George G. McLoughlin

Howard Maxwell Reynolds
Joseph Wise

CANDIDATE FOR THE DEGREE OF SPECIALIST IN EDUCATION

Kenneth Lynn Wall

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

Joe Albert Adams
Gerry Mitchell Arthur
Burton Mark Atkins
Damian Andrew Barthle
Diane Black
Wilford Allen Bladen
John Paul Boyd
Bonnie Cave Bradley
Stephen Andrew Bullard
Carol Kay Cerwin
Daniel Irwin Cohen
Joseph Wayne Daniel
Charles E. Garrison
Darrell Gilliam

G. Eugene Gunn
JoAnn M. Hatch
Charles Cortlandt Hay III
Chen Hang Hsieh
Dolores Weisbecker Jacome
Robert Lee Losey
Paul J. Martin
Virginia Lee Mathis
Nelson Dann Milne
Eugene Martin Rasmussen
Lowndes F. Stephens
James Tahmisian
Richard Thalheimer
Joyce Hartsfield Wheeler
Linda Louise Wills
Kathleen Thomson Yzenbaard

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

Betty Jane Addington	Randall Neal Gatz
Barbara Woodruff Birge	Laurence William Grossman
Robert Bruce Cameron	John Tomlinson Lansdale
Murray Key Clarke	Pat Mei-Huei Lin
William Everett Crouse II	Louise V. Postley
Gary Edward Crum	Nancy Kiefer Socha
Chester L. Fields	Harriet Denise Wissel

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN AGRICULTURE

James W. Fegenbush, Jr.	Robert Sherman Sand
Rasamee Kirithavip	Chalermwong Tirawat
Sahat Matondang	Charles Andrew VanLahr, Jr.

CANDIDATE FOR THE DEGREE OF MASTER OF SCIENCE IN AGRICULTURAL ENGINEERING

Hershel Richard Read

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Hisham M. Sa'aid	John William Sullivan
Robert Thurston Starkey	

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN CIVIL ENGINEERING

Dennis Hugo Bianchi
J. David Reynolds

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Lisandro del Cid Menéndez
Wiley Tsan

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Charles Henry Lingle
Soeharjo Marsosudiro
John Emory White

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN METALLURGICAL ENGINEERING

Carl Phillip Hinesley
Robert Dixon Lockett

CANDIDATE FOR THE DEGREE OF MASTER OF SCIENCE IN NUCLEAR ENGINEERING

Harold S. Rhoads

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS IN EDUCATION

Ida Marie Armstrong	Barbara Sue Fagan
Charline Stickles Bell	William Arthur Farnau
Judith Atkinson Campbell	Preston H. Hall
Sharon H. Denton	Eric Michael Johnson

Candidates for the Degree of Master of Arts in Education (Cont'd)

Elnora H. King
Lowell Thomas Lewis
Jo Ann Mason
Delores Cheryl Phipps
Robert Wright Shaw

Carolyn Chandler Smith
James Woodrow Thompson, Jr.
Jean Marie Welch
Mary Freeland Wolford
Joan Sheeks Wyde
Vincent Wc Yau

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN EDUCATION

Hester Rose Harding
Gaylon S. Leach

William Edward White

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN ACCOUNTING

Kathleen Anne Culton
Carlos Raul Plaza

Thomas Rowland Pope

CANDIDATES FOR THE DEGREE OF MASTER OF BUSINESS ADMINISTRATION

Louis Bertrand Bauer
William M. Guilfoil, Jr.
Joseph Allan Peters
George C. Street

James English Sullivan, Jr.
John Michael Sullivan
Arthur Ralph Thomas

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN LIBRARY SCIENCE

Barbara Jean Anderson
Patricia Wescott Bentley
Veena Burry
Carolyn Jane Camenisch
Maie W. Clark
Mary Payne Coblin
Donald Wilber Dayton
Mary Margaret Graham

Margaret Ann Watson Lewis
Marilyn Ann Logue
Kathryn Fazia Loving
Mary Holt Martin
Robert Mitchell Packard
Patricia Bowman Rodgers
Myra Priest Wooldridge

CANDIDATES FOR THE DEGREE OF MASTER OF MUSIC

Shirley Gilreath Brendlinger
Estella E. Marshall

CANDIDATE FOR THE DEGREE OF MASTER OF SCIENCE IN HOME ECONOMICS

Sedahlia Jasper Crase

CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE IN STATISTICS

Linda Sadler Francis
Arthur T. Hagood

COLLEGE OF LAW

William L. Matthews, Jr., Dean

CANDIDATES FOR THE DEGREE OF JURIS DOCTOR

These College of Law students are recommended for their Juris Doctor degree subject to the completion of their specific degree requirements.

James Edgar Armstrong	Paul L. Lamb
Joseph Frederick Bamberger	David W. McLellan, Jr.
Robert Edward Bathalter	Charles Cyril Mihalek, Jr.
Baxter Bledsoe, Jr.	John Paul Moore
William Marshall Brown, Jr.	Donald William Mosser
Alan Omer Bryant, Jr.	Thomas Edward Price
Benjamin Lewis Dickinson	Lloyd Douglas Quillen
Jerry Lee Foster	David Russell Stahl
Gregg John Frelinger	Eugene Alan Stewart
Kelsey E. Friend, Jr.	William C. Stone
Benjamin Johnson Hays	Jospeh Edward Ternes, Jr.
William H. Hays, Jr.	Thomas Edward Turner
Shelby Carneal Kinkead, Jr.	Wayne Edward Whitfield
James Albert Knight	

COLLEGE OF ARTS AND SCIENCES

Wimberly C. Royster, Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Paul Douglas Acra	Anthony Joseph Dietrich
Barbara Gail Adams	Roberta Mae Dietz
Betty Ann Aebi	Ellen Marie Eades
Edward Holmes Baldrige	Garry Lynn Edmondson
Dretta Christian Baynes	Thomas M. Engstrom
John Osborne Beckham	Rudy G. Ferguson
Michael Ring Birkman	Suzanne Theresa Fister
E. Douglas Boggs	Joseph George Gagliardi
Penelope Sue Bradley	Beverly Marie Gallagher
Lucia Lee Bridgforth	Linda Carol Gehringer
JoAnn Jararlyn Brown	Mary Ernestine Gibson
Nathan Stewart Brown	Timothy Hayden Gilbert
Peggy Diane Brown	Susan Montague Glazier
Terry Robert Brownson	Richard Kent Goodell
Joseph James Byrne	Sarah Nell Gorin
Patrick Richard Callahan	Richard John Grana
Robert Leo Cannon	Michael Price Grimes
Agnes Regina Cardin	Vonda Lynn Grise
Helen Fay Clark	Chester Simms Grundy
Eric Scot Clay	Lawrence Wayne Gurewich
John Richard Clements, Jr.	John I. Henning
Betty Sue Brandon Cook	Glenda Rose Herron
Elizabeth Coleman Cox	Linda Ann Hopper
Candace Haydon Cozine	Betty Carolyn Horn
Gary Lynn Dailey	Jerry L. Horn

Candidates for the Degree of Bachelor of Arts (Cont'd)

Shelby Malinda Howard
 Donald Gilbert Hukle
 Susan Vicki Ivey
 Christie Lu Jones
 Christopher Lee Jones
 James Francis Kastner
 Judith Kay Keller
 Stephen Connor Keller
 Luster Ray Kemp
 Jerry Wayne Kennedy
 Nadine Kerfoot
 Emilie Kerlin
 Geraldine Lloyd Kiefer
 Connie Almgren Kurre
 Beverly S. Lacy
 Mark Tracy Lantz
 Roger DeVore Ledridge
 Ronald Edward Lewis
 William Bruce Lunsford
 Allen P. McClaskey
 Akiko McVarish
 Mary Ann Magura
 Ronald David Major
 Howard Gary Mason
 Joseph Vincent Mattingly
 Dare R. Miller
 Helen Joyce Mills
 Joyce Tudor Montgomery
 McKinnley Morgan
 Francis Gerald Mudd
 Barbara Lee Nash
 Robert Philip Neus
 Jerry Lee Nichols
 Viki Lynn Nickerson
 Sharon Lee Norman

Robert Winston Nuss
 Mary Ann Obernier
 Linda Marcelle Parker
 Mary Elizabeth Parrott
 Marilyn L. Pet
 Paula-Lee Anne Wallace Petit
 Francis Stephen Reed
 Robert Ewing Rice III
 Robert L. Rundall
 Nora Blithe Runsdorf
 Laurence Marc Russell
 Laura Luckey Sauer
 Michael Alan Schroeder
 William Foster Schweri II
 John Barry Sensing
 Betty Bowling Sherman
 Charlene Smith
 Marc Daniel Sotkin
 Edward Joseph Stanish
 John G. Stanley
 John William Starr
 Carol Ann Strange
 James Cole Strode
 Judith Lynn Tabor
 Pamela Rae Tewell
 David R. Van Horn
 Daniel Vartabedian
 Tynne Patrick Vaught
 Gerald Lee Villines
 Michael William Westling
 Linda Lee White
 James Robert Williamson
 Donald Henry Wolfe, Jr.
 Wanda Carol Wood
 Victorine Wooton
 James Harold Wright
 Jaye Anna Young

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

Richard Vernon Ackley
 Larry Keith Ball
 Billy Joe Barber
 Bill Earl Barnett II
 Barbara Jane Bassett
 Geza G. Bruckner
 John Howard Campbell
 Lawrence Ray Catlett
 Randolph Louis Cooke
 Robert James Durinka
 Timothy Joseph Farwick
 John Robert Fischer
 Roberta Fletcher
 Ronald Eldon Fox
 Larry Allen Hadley
 Cecil Ray Hammonds

Charles E. Hardy
 Danny Michael Huff
 Charles Richard Hughes
 Charles R. Ingram
 Samuel Evans Isaacs II
 Joshua Paul Langsdale
 Roy Burton Leach
 Dwight Randall Manion
 Wesley Kay Marion
 Robert Hummer Morris
 Michael David Needleman
 Sherrell Wayne Nunnelley
 Russell Gordon Ping
 Norman W. Preston, Jr.
 Larry Randall Rhodes
 Karen Boxley Ruggles

Candidates for the Degree of Bachelor of Science (Cont'd)

Harry John Schornberg, Jr.
Cynthia Ardery Shaw
Wesley Mills Smith III
Dennis D. Stuckey
Bruce Magruder Survant

Harry Turner Taylor, Jr.
Charles Edward Theiler II
Scott Dillon Valentine
Betty Joan Waggoner
John Clark Wagner

CANDIDATES FOR THE DEGREE OF BACHELOR OF MUSIC

Rebecca J. Bailey
Claudette Bottom
Patricia A. Eastham Dye
Ned Eugene Farrar

Diane Cary Foust
Martin M. Puckett
Danny John Uhl
Jack Dale Zackery

COLLEGE OF AGRICULTURE

Charles E. Barnhart, Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE

Katherine Tandy Brown
William Arnold Campbell
Michael White Carter
Gerald Wayne Centers
James Franklin Christensen
Everitt Paul Clark, Jr.
Donald Stephen Coffey
Firmon Milton Cook
Douglas Edward Cox
Lon Whitman Deckard
Charles Bingley Dickerson, Jr.
John R. Elliott, Jr.
Willis Gene Floyd
Eldred Crabtree Ford
Leonard Edwin Gilkison
Fred Lee Gillum
Lloyd William Hart
B. Franklin Hoopes
Nancy Kay Hutchison
Paul Andrew Kelly
James Frank Kramer
Paul Anthony Kunkel

David Hunter Lee
Glenn Ford Mackie
Charles Thomas Moore
Randolph Harrison Newton
John Garrett Parker
Charlie Howard Parris, Jr.
Stephen K. Plenge
John Randall Pritts
Clark Lee Quisenberry
George Shackelford Robinson
Mary Louise Sandford
Phines Leon Smiley
Jan Ward Smits
Kenneth Carroll Taylor
Michael Lee Toby
Michael Norris Tompkins
Larry Lee Toohey
Joe Lynn Travis
William Bishop Wash
Miller Adams Welch
Woodrow Thomas Wilson
Darrell Keith Young

COLLEGE OF ENGINEERING

Robert Mortimer Drake, Jr., Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING

Terry Michael Midden
Larry Gene Wells

Philip Wayne Westerman

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Howard Edward Irvin, Jr.
John Robert Watts

Virgil Paul Weikel

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

David Lysle Allen
Robert Earl Ballard
Ronald Leroy Barrow
Terry Ray Burlew
Steve R. Carver
Richard Holman Chasey, Jr.
Roger Earl Coffey
Larry Gene Cranfill
Jesse Thomas Crask
Wallace Wayne Currans
Arthur Wayne Duncan
William Proctor Felts
James E. Foster
Richard Louis Guidi
Stephen Lawrence Hibbitts
Joe Horky

Glen Martin Kelly
Joe Calvin Lewis
Charles Ronald Lovan
James Leo Miller
Richard Arlen Parks
Gary Stephen Poole
Ronald William Roberts
James Edward Schier
William Mount Seymour
Alvah Lyndon Skaggs
John Thompson Small
Kenneth Cornelius Smith
Sherrill Ray Smith
Caroline Patrick Wade
Alan Dale Wilson
George Markham Woolwine

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Don Franklin Blackburn
James Austin Brewer
Ronald Lee Brown
Ben Wheeler Carr, Jr.
Robert Lee Caskey
Lynn M. Collins
Rand Jeffery Eikelberger
William Leslie Fisher
Louis John Haskell
William M. Herndon
Robert Michael Hewett
Thomas Gary Knott
Ronald Alvin Kurtz
Wayne Taylor Lucas
Daniel H. McKenzie
Charles Larry Magruder
Christopher Nash Miller

John R. Moeller
Ronald Rumford Monson
James Curtis Moses
Phillip Allen Moss
Kenneth Ray Nichols
James Earl Norris
Victor Para
William Robert Price
Thomas Overton Pritchett
Ronald Jean Rice
Robert Louis Rives
Ralph William Russell II
Victor Michael Simi
Prentice Lynwood Smith
John Michael Tarr
Dale Stanford White
Ronald Lee Willhite

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

James John Asseff, Jr.
Richard Melvin Bloyd
Leslie Dennis Boggs
Frederick Howard Coates, Jr.
Dennis Gay Cope
Danny Keith Day
William Randall Drum
John Bowler Fuller
Edward Louis Grimes
Kenneth Willard Harper II
Joseph Stephen Ho
Lary Duane Jones
John Louis Kriener

John Joseph Lieberman
John Stephen Mullins
Charles Edward Prewitt
William Nathan Rhea
John William Rutledge
Raymond Bernard Shuman
William Adams Smothers
Frank William Tanner
Charles Edward Thiel
Thomas Edward Thompson
Christian Cecil Thorup
Joe M. Tompkins

Candidates for the Degree of Bachelor of Science in Mechanical Engineering (Cont'd)

Richard Ray Veazey

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING

Randall Taft Bentley
Van Buren Stepp

COLLEGE OF EDUCATION

George W. Denmark, Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS IN EDUCATION

James E. Auberry	Mililani Daniel
Barbara H. Ayers	Michael Thomas Davis
Richard Douglas Baldwin	Brenda D. DeBoard
James Hilton Ballew	Lynn Ann Delaney
Carolyn Webb Barnes	Theodore L. De Santo
Jim Carroll Barnes	Victoria Rae Drager
James Burnett Bentley	Sharon Lynn Drescher
Jerry R. Berry	Dennis Morgan Drinnen
Donna Carroll Beverly	Marilyn Sue Ellis
Joyce Williams Bielecki	Jeanne B. Ericsson
Richard John Bielecki	Gladys H. Estep
Larry Edward Bird	Susan Vowels Esterle
Lester Samuel Bivens	Forrest Bingham Ewen
Bettina Arlene Borst	Marsha Dean Fain
Clarence William Bralley	Mary Jo Fante
Jennie Park Brawner	Susan Carroll Farrington
Caroline Hill Broadwater	Thomas Charles Fee
Catherine Crouse Brown	Ronald Alan Fife
John Marquette Browning	Michael R. Fisher
Jean Ann Buchanan	Cecilia Jo Flynn
Susan Elliott Budesheim	Larry Wilton Ford
Miriam Louise Buford	Linda Powell France
Linda Sherry Burkhardt	Cora Lee Fugitte
Mary Dianne Burton	David L. Gander
Kay Frances Campbell	Jane Royalty Gilbert
Eloise Anne Carden	John Andrew Gildersleeve
Georgia Weir Carter	Susan Jan Givens
Edward Rogers Cerny	Jo Nell Glasscock
Ronnie Jay Chapman	Judy Arlene Goodrich
Barbara Hinton Cheap	Ann Calhoun Groves
Carol Jo Christopher	Darliene Evon Haley
William C. Chupil	Thomas Ashley Hall
Rodney Vernon Cloyd	Lawrence Alan Hamilton
Dwight D. Colson	Nancy Rigg Hamilton
Elmer Denver Combs	Drew Sloan Hardgrove
Joyce Roundtree Combs	Ralph Rodger Hart
Ronald Edward Cox	Sarah Wells Hastings
Mitzi Carrico Coyle	William Harold Hawk
Alice Stahl Crews	William Ray Hawkins

Candidates for the Degree of Bachelor of Arts in Education (Cont'd)

Hallie Ann Hayden	Carolyn Sue Partin Baker
Mary Kay Heffner	Joseph Richard Peck
Susan Alice Hignite	Thomas John Pepitone, Jr.
Charles William Hill	Jill M. Pepper
Marie Woods Hillenmeyer	Morris Lynn Percifield
Margaret Christine Hogan	Albert Henderson Perkins, Jr.
Patricia Anne Holcombe	Betty Jane Phelps
Richard Delano Hornbeek	Cheryl Lynn Plain
Carolyn Hughes McFarland	Thomas Bradley Price
Bonnie B. Jarvis	Cynthia Ann Pritchard
Sarah Kathryn Jennings	Frances Elaine Pugh
Beverly Jane Johnson	Alice Jane Rabuck
Anne Kathrine Johnstone	Jack Garland Raker
Howard Robert Just	Lawrence Joseph Ray
Nancy B. Kauffman	Claire Joyce Reed
Deward Belmont Kazee	Thomas Edward Rice
Russell King	Alfred Thomas Richardson
Ann Walcutt Kohler	Sharon Kay Richter
Kenneth Lee Kramer	Constance Jones Ridings
Vivian L. Lafferty	JoAnne Martin Roberts
Jimmie Joe La Follette	Robert Lee Robinson
Elizabeth Catherine Lang	Carolyn Sue Rohrer
George Orwin Laskey	Judith Ann Ross
Ann Gex Lee	Edward Lee Rudd
Roberta Anne Levy	Michael John Ruehling
Dwight P. Little	Darryl William Sauer
Opal Whitt Loar	Toni Gail Sawyer
Pamela A. Long	Barry Benjamin Sclar
Anne Nutter Lowe	Earl Eugene Sherman, Jr.
Oma Sue Luce	Jane Elizabeth Sherwood
Danny Lee McCamish	Rebecca Ann Short
Phyllis Diane McCamish	Cindy Shoupe
John Michael McClelland	George Raymond Simons
Patrick Shaheen McElhone	Gwen Peek Simpson
Sean-Thomas Holman McGoodwin	Janet Lou Simpson
Jane Williams Maguire	Tanya Sisk
Douglas Lawrence Malinak	Candace Marie Sonderman
Larry William Martin	Pamela Ann Spears
Linda Kay Martin	Pamela Spies
Allie George Mason	Sherry Hibberd Szarka
Patricia Ann Mertz	Johnny Carmel Tackett
Brenda Jane Metz	Lloyd Thomas Tackett
Rae Ann Miller	Howard Glen Teater
Audrey Kaye Mink	Linda Sue Thomas
Ellen Hooge Mott	Donna Marie Thompson
Bobby Eugene Nelson	Phyllis Ann Thompson
Donald Alton Newman	Bobby Lee Timbrook
Linda Sue Nichols	Willmot Preston Veal
Leila Maureen Nicholson	Kathleen A. Vincent
Myra Lynette Noffsinger	Mary Frances Walker
Iona Moore Noger	Charles Douglas Watson
Mike B. O'Bradovich	Marilyn Diane Watson
Karen Ann O'Reilly	Terrie Jean Weddle
Jean E. Owen	Susan Weeter
Oweney Elias Owen	Sandra Gayle Welch
Mary Elizabeth Palmer	Glen Ray Wells

Minutes of the University Senate, January 12, 1970

Candidates for the Degree of Bachelor of Arts in Education

Ina Neville Wharton
 Frances Louise Whittaker
 Pamela Whittinghill
 Elaine F. Williams

Sherrill Ross Williams
 Ruth Frances Williamson
 Amanda Fetter Woodard
 Sheila Littrell Young

COLLEGE OF BUSINESS AND ECONOMICS

Charles Foster Haywood, Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE

Robert Luther Abrams
 John Herbert Allen
 Fred Rodgers Baker, Jr.
 William Harold Baker
 Michael Keays Carpenter
 Allen Russell Conrad
 Carrell Lee Eakle
 Arthur W. Eddleman
 George Elias George
 Edward Stephen Grazul
 Harold Newton Haley
 John Corydon Harris
 H. Cove Heilbronner
 William Michael Jacobs
 James Ralph Lacy
 Ronald Arch Leger
 Townsell Gordon Marshall, Jr.
 Brian Jeffrey Matthews
 Paul Trent McGinnis
 Charles H. Meng, Jr.
 Joseph Anthony Newberg

Michael J. Nord
 James Lloyd Parsons
 Randol Stephen Pennington
 John Jude Plummer
 Derek James Potter
 David Alvin Reid
 Mariam Thomas Richardson
 Ann B. Rose
 Robert Howard Roush
 Charles duPont Shaffer
 Joe Benny Smith
 Morris Alexander Smith
 Michael Irvin Sparrow
 Michael Louis Tomasetti
 Richard B. VanAntwerp
 Reuben Glenn Walker, Jr.
 Frederick Karl Walz
 John Henderson Way III
 David Clifford Wilson
 Calvin Glenn Woodward
 Robert Fielding Young

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN ACCOUNTING

William Douglas Adams
 Louis C. Broghamer
 Bruce Allen Buchanan
 James Raymond Buhr
 James Crum III
 John Thomas Crutcher
 Michael Lee Dailey
 Richard Allen Danser
 Charles David Downey
 Gary Lynn Goble
 Don Carlos Graeter
 William Mikail Loar
 Michael Homer Losey
 William Paul Mando, Jr.

James Richard Martin
 Denver Lee Nelson, Jr.
 Ramon Haydon Oliver
 Robert Stephen Owen
 Gary Raymond Perdue
 William Richard Pulliam
 Douglas Lee Ragland
 Edwin Lee Robertson
 Stephen Thomas Rudd
 Richard Gregg Schulte
 Robert Douglas Stinson
 Carl Davis Wheeler, Jr.
 William Steven Winfrey
 James Wendell Woods

CANDIDATES FOR THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION

Mertie Gail Arnold	John Paul Kohler
Roy Thomas Barnett, Jr.	Joseph Gary Kristoff
James Patrick Benassi	Thomas Michael Lowe
John Keith Benson	Linda Fay Mansfield
David Slater Bowen	Robert Shelton Martin
Carl Elton Bowman, Jr.	John Alexander Mattingly
James Nicholas Brady	Larry Holmes Maxey
Alvan Harris Burden	James A. McBrayer
George Anthony Busseni	James Joseph McCarthy
James Beckham Carmical	Herbert Louis McKee
Larry Gregory Corea	Wayne Brent Miller
Beattie Middelton DeLong, Jr.	Charles Edward Moss
Harold Andrus Douthitt	Owen Bryan Pruden
Sharan Hudson Eikelberger	John William Richardson
Dennis Charles Feldhaus	Scott Paul Scholl
James Joseph Feyko	Thomas Louis Schuster
William Robert Fore	James Shelton Scrogan
Dennis E. Glidden	Scott Sandon Seibert
James Craig Gossman	Kurtz Wayne Simmons
Ernest Leo Harris, Jr.	George G. Sirk, Jr.
Gary R. Harris	Michael Lee Stevens
Robert Francis Hellard	Sammy Chaim Sussman
Ronald Adam Hollinger	Joseph Richard Tramontano
Robert Allen Huebener	Daniel Louis Twehues
Hugh Allen James	James Alford Waddell
	James Larry Whitlege
	Joseph Anthony Winterberger

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS AND ECONOMICS

David George Bogner	James Larry Jobe
Robert Creason Brown	Peter Otto Kayser
Stanley Wayne Browning	Stephen Daryl Krentz
Garry Lee Frederick	David James Obradovich
James Earl Gibson	Thomas Byrne Strode
Robert Landis Hitch	

COLLEGE OF PHARMACY

Joseph V. Swintosky, Dean

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHARMACY

Jerry Bain Johnson
Mary Patricia Moynahan

CANDIDATE FOR THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

Walter Strader Stone

Minutes of the University Senate, January 12, 1970

SCHOOL OF ARCHITECTURE

Charles Parker Graves, Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARCHITECTURE

Martha Daily Alexander
Clifford B. Curry

John W. Page

SCHOOL OF ALLIED HEALTH PROFESSIONS

Joseph Hamburg, Dean

CANDIDATE FOR THE DEGREE OF BACHELOR OF SCIENCE IN DENTAL HYGIENE

Sharon G. Hurd

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Veida Worthington Blick
Georgia Ann Elliott
Mary Jo Fry

David Lee Grimes
Linda Ann Lairson

CANDIDATE FOR THE DEGREE OF BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Elizabeth Lynn Douthitt

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMUNITY HEALTH

Judy Lane Kirkland
Audrey Belle Victor

SCHOOL OF HOME ECONOMICS

Betty Jean Brannan, Dean

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN HOME ECONOMICS

Jennifer Crickmer Baker
Eugenia Kersting Cox
Sharon Carpenter Denny
Gina Jean Holtsinger
Thelma Louise Jackson
Juanita S. Kliagin

Marsha Hiatt Maupin
Nancy Lou Nielsen
Brenda Donita Pinson
Susan Jane Rollo
Diane R. Soltess
Rosalie Wright

Dr. William K. Plucknett, as the new Chairman of the University Senate Council, presented the following remarks to the Senators:

The coming year will be a critical one in the history of the University and the University Senate will be tested as it has not been for many years. Great strides have been made in the past few years. It is inevitable that such a period of expansion be followed by a pause for consolidation. It would be a great mistake, however, to equate such a pause with status quo. As the needs of society change, the University must adjust its programs to meet these needs. New programs must be initiated, but by the same token some older programs must be dropped. Review of existing programs becomes imperative and can no longer be postponed.

What is the role of the Faculty in such reviews? The Senate is charged with setting the broad academic policies of the institution and academic programs are certainly the most basic ingredients of such policies. It therefore behooves the Senate, through its Committees or Councils, to determine quite specific criteria to be used in evaluating relative merits of existing programs and proposed programs. There are some who say the Faculty cannot be objective enough to perform this task. I do not accept this premise. I believe the vast majority of the Faculty, if given this responsibility, will exercise statesmanship.

Shortly, the Program Planning Committee, through the Senate Council, will petition the Faculty for suggestions as to broad areas of interest to the University where a study by an ad hoc committee might be profitable. It is important for the Senate to keep in mind the authority, and the limitation on the authority, vested in it by the Board of Trustees. On purely academic matters, the Senate may legislate -- examples are, procedures for initiating and changing courses, changes in programs, marking system, etc.; on some matters the Senate must approve and has a veto over -- examples are: approval of degree candidates, initiation of new programs, etc.; on all other matters the Senate may make recommendations, but it must be clearly understood that such recommendations are only advisory.

With these limitations on the authority of the Senate clearly in mind, all factors affecting education at the University of Kentucky are appropriate for study by the Senate.

In the hope of stimulating other ideas, I would like to suggest several areas of study which might profitably be undertaken by Senate ad hoc committees, standing committees or its Councils:

1. The aforementioned problem of criteria for program evaluation.
2. Class scheduling. Is our present fifty-minute classes once a week for fifteen weeks for each hour of credit the best arrangement? How about a more general use of two seventy-five minute classes twice a week for three hours credit? By such scheduling, and perhaps starting at 7:30 a.m. and running to 5:30 or 6:00 p.m., we could quite possibly eliminate classes on Wednesdays and Saturdays, freeing such time for study, committee and faculty

meetings, and research. Enough institutions have tried this for a sufficient length of time to provide the basis for a sound study.

3. Desirability of a combination of work and study, as prerequisite for degrees in many areas. Does the present usual four-years of concentrated study without work experience in the field provide the best education? It would seem possible and perhaps desirable to require internships in some areas of study.

4. Establishing an Academic (Senate) Advisory Committee on the budget. Can one make appropriate educational policies without awareness of budgetary conditions reflected in the fact that the American Association for Higher Education indicates about 50% of the institutions now have such committees.

I'm sure you can think of many other areas which should receive faculty study.

One continuing problem faced by the Senate is that of violations of Senate Rules. Much of this is due to lack of knowledge of the Rules, but some is certainly due to contempt of them. What should we do when such violations by faculty or administrators become apparent? The Senate neither has nor wants any administrative function, nor does it desire to assume a policing role. The current practice of the Senate Council is to bring the violation to the attention of the perpetrator and ask for correction. In the event the situation is not improved, the matter is brought to the attention of the department chairman or the next higher administrative officer. All are informed that any decision of the Council may be appealed to the Senate which has final authority. If any rules are unworkable or undesirable, they should be changed by the Senate. We can have only chaos if the rules are ignored. Before preaching law and order to our students, let us set the good example.

If the Faculty wishes to continue having a participating role in the academic governance of the University, the Senate must continue to accept governance responsibility and exercise its authority with firmness but discretion. I firmly believe that one year from now we will be able to point to significant contributions by the Senate in the continued improvement of the University.

It is my sincere desire as the new Chairman of the Senate Council to facilitate the work of your Senate Council as it in turn assists you in the development of a continuously maturing University. I hope and trust that this, too, is your goal and that you will use the Office of the Senate Council freely and that you will have no hesitancy in bringing matters to the Council or to the Senate itself.

The Chairman announced that the next meeting of the Senate will be a special meeting to be held on January 26, 1970 and that an item on the agenda will be the Report of the Ad Hoc Committee on Appropriate Balance Among Teaching, Research and Service Functions in the University.

The Senate adjourned at 5:00 p.m.

Elbert W. Ockerman
Secretary

MINUTES OF THE UNIVERSITY SENATE, FEBRUARY 9, 1970

The University Senate met in regular session at 4:00 p.m., Monday, February 9, 1970, in the Court Room of the Law Building. Chairman Plucknett presided. Members absent:

Robert Aug*, Harry V. Barnard, Richard C. Birkebak, Ben W. Black*, Barry J. Bloomfield, Thomas O. Blues*, Wallace N. Briggs*, Donald B. Coleman*, Robert L. Cosgriff*, Alfred L. Crabb, Jr., Eugene C. Crawford, Jr.*, William H. Dennen*, Henry F. Dobyms, Ronald W. Dunbar*, W. W. Ecton*, Joseph Engelberg, Frank J. Essene, Frederic J. Fleron, Joseph B. Fugate*, Jess L. Gardner*, James L. Gibson, Stephen M. Gittleson*, B. R. Gossick, Halbert E. Gulley*, Holman Hamilton*, Denny O. Harris, Dorothy Hollingsworth*, J. W. Hollingsworth*, Alfred S. L. Hu, William H. Jansen*, Louis J. Karmel, Donald E. Knapp*, James A. Knoblett*, Carl E. Langenhop*, Richard S. Levine*, Albert S. Levy*, John H. Lienhard*, Mark M. Luckens*, Gene L. Mason, Leonard McDowell*, William G. Moody*, Jacqueline A. Noonan*, Louis A. Norton*, Blaine F. Parker*, Albert W. Patrick*, Doyle E. Peaslee, Robert W. Penman, Curtis Phipps*, Nicholas J. Pisacano*, Muriel A. Poulin*, Leonard A. Ravitz*, John W. Roddick*, John W. Schaefer*, Ian Shine*, Robert Straus*, William G. Survant*, Norman L. Taylor, Timothy H. Taylor*, Duane N. Tweeddale, H. Fred Vetter*, Jesse L. Weil*, David R. Wekstein*, David C. White, Daniel W. Wingard, Donald J. Wood*, Lawrence A. Allen, Charles E. Barnhart, Glenwood L. Creech, George W. Denmark*, Stuart Forth, Charles P. Graves, Jack B. Hall, Joseph Hamburg, Ellis F. Hartford, Raymon D. Johnson*, William S. Jordan, Jr.*, Joseph L. Massie*, Alvin L. Morris, John C. Robertson*, George J. Ruschell, Sheryl G. Snyder, Joseph V. Swintosky*, William R. Willard*.

The Senate approved the requests of Mr. George Jepson of the Kernel to attend and report, and of Mr. Leo Juarez, graduate student, in his role as an aide to the ad hoc Committee on Appropriate Balance Among Teaching, Research and Service.

The minutes of the regular meeting of January 12, 1970 were approved as circulated.

In the absence of Dr. Cochran, Dr. Herbert P. Riley presented a recommendation that honorary degrees be conferred on seven persons (three having been recommended and approved by the Senate and Board of Trustees in prior years, but for one reason or another were unable to receive the award) at the May 1970 Commencement. The Senate approved the four new persons for the Doctor of Laws as presented for recommendation to the President and

*Absence explained

UNIVERSITY OF KENTUCKY


Lexington, Kentucky 40506

Dean of Admissions and Registrar

January 2, 1970

MEMORANDUM

TO : Members of the University Senate

FROM: Elbert W. Ockerman, Secretary, University Senate 

Since we have several new members in the University Senate at the beginning of the Spring Semester I feel it is appropriate to restate the policy of the Senate regarding attendance at meetings.

The University Senate adopted in 1967 the policy that three (3) unexplained absences from Senate meetings by a Senator in an academic year automatically call for purgation by the Secretary, University Senate.

If an elected member of the Senate cannot attend a particular meeting, will be on academic leave for a specified period of time, wishes to resign from the Senate, resigns from the University, changes status which makes him ineligible for service in the Senate, retires, or is unable to attend a meeting for any reason, it is his responsibility to so notify Ext. 3433, the Recording Secretary of the Senate. If the Senator is physically unable to provide proper notification, the responsibility rests with the Dean of his College.

Rosters are provided at each meeting of the Senate. Senators must sign a roster, if present, in order to receive credit for attendance.

EWO:b

UNIVERSITY OF KENTUCKY

LEXINGTON, KENTUCKY 40506

UNIVERSITY SENATE COUNCIL
10 ADMINISTRATION BUILDING

January 5, 1970

MEMORANDUM

TO: University Faculty

FROM: Senate Council

SUBJECT: Request of Waiver of Rules of the University Senate
by the Department of Mathematics

The attached document is being circulated to the University Faculty by the Senate Council for presentation to the University Senate for action at its meeting on January 12, 1970.

The Department of Mathematics is requesting a waiver of the Rules of the University Senate involving circulation and processing procedures to the University Faculty and the appropriate Councils to allow consideration by the University Senate of the proposed revision in the Major in Mathematics for incorporation into the University Catalogue for 1970-71.

*Move conditional acceptance
for a period of one year. Acceptance
JP for beyond one year to depend
on approval of the program through
the normal channels.*

Proposed Major for the Bachelor of Arts and Bachelor of Science
Degrees with a Major in Mathematics

Note: Applicable to students who will graduate not sooner than May, 1971

I. General Studies Requirements: Same as College requirements.
In Area IV, French, German, ~~and~~ ^{or} Russian are recommended.

II. Major Requirements:

A. MA 113-114, 213, 214 or equivalent

B. A minimum of 18 credits in upper division courses in mathematics, to include a semester of at least four of the following five sequences, and a year of at least one sequence:

1. MA 351, 352 (Topology)
2. MA 361, 362 (Algebra)
3. MA 441, 442 (Geometry)
4. MA 471, 472 (Analysis)
5. MA 481, 482 (Applied Mathematics)

C. Field of Concentration requirements: 14 credits of non-freshman courses outside mathematics but in related fields. Any field to which mathematics has been significantly applied is acceptable. Examples: physics, chemistry, biology, philosophy, economics, statistics, computer science, political science.

III. Recommended courses for students with special interests.

A. Teaching in secondary schools: MA 361, MA 341 or 441, MA 471, MA 472, MA 371, MA 261.

B. Work in industry or government: MA 421, MA 471, MA 472, MA 481, MA 482, STA 421, STA 423, MA 433, plus work in computer science.

C. Preparation for graduate work: MA 352, MA 362, MA 442, MA 472, MA 433.