TO MEMBERS OF THE ACADEMIC COUNCIL

The regular meeting of the Academic Council is called for 4:15 p.m. on April 7, 1967, in the Physics Lecture Hall (ph 100). Agenda for the meeting are as follows:

1. Minutes of the meeting of January 6, 1967. (Copy attached)
2. Minutes of the meeting of January 27, 1967. (Copy attached)
3. Conferring of Degrees.
   a. Undergraduate: Report of the Registrar. (Copy attached)
   b. Graduate: Report of the Dean of the Graduate Division. (Copy attached)
4. Memorial Resolution
   a. Bayard Quincy Morgan (Copy attached).
5. New Business.
   a. Report from Executive Committee. (including Statement of Policy on Appointment and Tenure at Stanford University)

H. Donald Winbigler
Academic Secretary to the University
Office of the Academic Secretary

April 3, 1967

ADDENDUM TO AGENDA

Additional Agendum

4. Memorial Resolutions
   b. Victor Chandler Twitty
      (Copy attached)
MINUTES OF THE ACADEMIC COUNCIL

January 6, 1967

The regular meeting of the Academic Council with the University Staff was held in the Physics Lecture Hall on January 6, 1967, beginning at 4:15 p.m. with President Sterling presiding.

The minutes of the meeting of September 30, 1966, were approved as previously submitted in writing.

Registrar Hall presented the list of candidates which had been approved by the Registrar’s Advisory Committee for the degree of Bachelor of Arts and the degree of Bachelor of Science and moved approval of this list for recommendation to the Board of Trustees. The motion was seconded and carried.

Dean Whitaker presented the list of candidates which had been approved by the Committee on the Graduate Division for advanced degrees and moved approval of this list for recommendation to the Board of Trustees. The motion was seconded by Dr. Hall and carried.

Professor Eric Hutchinson presented a resolution in memory of the late George Sutton Parks, Professor of Chemistry, Emeritus. This resolution had been prepared by a committee composed of Professors Hutchinson, Chairman, Harold M. Bacon, Frederick O. Koenig and Registrar Harvey Hall. Professor George A. Thompson presented a resolution in memory of Joshua Lawrence Soske, the late Executive Head of the Department of Geophysics and Henry Salvatori Professor of Geophysics. This resolution had been prepared by a committee composed of Professors Thompson, Chairman, Evan Just and Dean Richard H. Jahns. Professor Brooks Otis presented a resolution in memory of the late Edwin Joseph Doyle, Associate Professor of Classics. This resolution had been prepared by a committee composed of Professors Lionel Pearson, Chairman, Brooks Otis and Keith Boyle. The three memorial resolutions were adopted by the Council in the customary manner.

Dean Winbigler reported that as of noon that day the enrollment for winter quarter stood at 10,820, representing an increase of 220 from the corresponding time in the previous year, but pointed out the difficulty of making meaningful comparisons between the two winter quarters in view of the fact that in 1966 winter registration was on Monday whereas in 1967 it was on Wednesday. He estimated that the final figure for the quarter would be between 11,100 and 11,200.

In the absence of Professor Hilgard, Professor Benjamin M. Page reported for the Executive Committee, noting at the outset that Professor Herbert L. Packer’s appointment as Vice Provost had made him ineligible to continue service on the Executive Committee and that he had been replaced on the Committee by Professor Marc A. Franklin. He said that during the autumn quarter, the Executive Committee had been involved in considerations of several problems, some of which resulted in recommendations to the Provost or President, some in recommendations to the faculty, and some in referrals to various committees of
Minutes of the Academic Council
January 6, 1967

Page Two

the Academic Council. He then called upon Professor William F. Baxter for a report from the Committee on Research Policy which had been established the previous June.

Noting that the Committee had filed a more complete written report with the Executive Committee, Professor Baxter made a brief report on the activities of this Committee, which first met in July and had been meeting monthly since that time. He said that the problem of policy regarding classified research had received major attention at the outset, including particularly the Committee's responsibility for the implementation of guideline D as adopted by the Council at its meeting on June 10, 1966.

The Committee had recognized the range of existing views regarding the appropriateness of the University's involvement in classified research. Although some members felt that the Committee should confine itself to examining past contracts for possible abuses, the majority felt that it should give attention to proposed contracts. Accordingly, a five-man subcommittee had been appointed to examine all proposed contracts involving classified research, and this subcommittee had met bi-weekly since that time. After deciding that it was feasible for the Committee to inject itself into the process before contracts were signed, the Committee had, on October 25, 1966, sent to members of the Council a memorandum on Interim Procedure for Handling Proposals to Conduct Classified Research Supported by Contract or Grant. (A copy of this memorandum is filed with the official copy of these minutes.)

The Committee had then turned its attention to more substantive problems, including the question of whether the relationships between students and faculty members had been adversely affected by the classification of research activities. Professor Baxter said that the Committee now was ready to begin discussion with individuals who believed that as a matter of principle no classified research should be allowed within the University. It would also continue with the procedures outlined in the memorandum of October 25, and hopefully later be able to generate substantive criteria and conclusions.

Following Professor Baxter's report, there was an opportunity for questions from the floor. There being no questions, Professor Page then called upon Professor Philip H. Rhinelander, Chairman of the Committee of Fifteen, for a report.

Professor Rhinelander noted that, following the protracted discussions of the previous year, the Committee of Fifteen had been established in the autumn of 1965 as a means of dealing effectively with controversial issues.

In describing the operation of the Committee, he mentioned that it elected its own officers and set its own rules. Under these rules, in order to promote the freest possible exchange of views, both discussion and votes were held confidential. The Committee had also established as a working principle that there should be no instructed delegations and no block voting. He stressed that the
Committee was advisory with no executive power and no power to initiate agenda. It took up only matters referred to it by one of its three constituencies, the Associated Students, the Academic Council and the President.

Professor Rhinelander reported that the full committee had met at least once a week during autumn quarter and in addition there had been numerous subcommittee meetings. The Committee had attempted to avoid assuming the posture of an exalted Executive Committee, to refrain from dealing with issues which were effectively under consideration by existing committees, and, on the other hand, to avoid becoming a mechanism for stalling. He expressed hope that the Committee would serve successfully to dispell the notion of built-in hostility between students, faculty and officers of the University. There being no questions from the floor, Professor Page indicated that this concluded the report from the Executive Committee.

Dean Whitaker then asked for the floor, announcing that he had learned from Dean James that there was a question about the eligibility of two advanced degree candidates whose names were involved in the motion acted upon earlier; one for the degree of Master of Arts in Education and one for the degree of Doctor of Education. He moved that the Chairman of the Committee be authorized to make adjustments in the list in accordance with the results of an investigation of these cases. The motion was seconded by Dean James and carried.

(Secretary's Note: On the basis of this investigation the name of George Clark Cochran was deleted from the list of awardees of the degree of Doctor of Education and the name of Carol Wallerstein Brower was deleted from the list for the Master's degree.)

President Sterling opened his quarterly report to the Council by welcoming Professor Richard Lyman to his new post as Vice President and Provost of the University and Professor Herbert Packer to his new post as Vice Provost for Academic Planning. He expressed particular thanks to Dr. Howard Brooks for the extra responsibilities he had carried in recent months and announced that Dr. Brooks' title had become Vice Provost for Academic Operations.

Referring to his report to the Council on September 30, 1966, regarding the National Advisory Commission on Selective Service, Dr. Sterling noted that the final report of the Commission might not be available before President Johnson's State of the Union Message would be delivered to Congress but that public knowledge of any presidential proposals for change could be anticipated before the next regular meeting of the Council.

President Sterling then discussed at some length the role which Federal legislation and the funds which flow from such legislation had come to play in Higher Education in this country and the interests of the academic world in making its voice heard regarding such legislation before the fact. He reported evidence that the Congress, through appropriate committees, would be agreeable to the establishment of some regular channels for discussion with academic representation during the formative period of such legislation. Noting the
difficulty of forecasting accurately the effect of the stresses and strains on the Federal Budget upon the distribution of federal dollars in support of Higher Education, he called upon Professor Heffner for a report of prospects regarding federal support of research.

Dr. Heffner stated that Stanford had enjoyed a remarkable increase in the volume of Federal funds in support of research. This increase had averaged approximately 20% per year for the last few years and in 1965-66 was more than 20%.

In demonstrating that it is not easy to make accurate forecasts in this area, Dr. Heffner noted that at the beginning of last year he had anticipated a leveling off of Federal funds, whereas there was actually an increase of more than 20%. He said he had analyzed the contributing causes and has discovered that there were two important factors. The first was past additions to the faculty which resulted subsequently in an increased volume of research proposals. The second was the recent tendency of granting agencies to cut back on a number of relatively long term grants (three years or more) in favor of one-year grants, thereby making possible immediately more grants. He pointed out that the increases resulting from these factors were of course quite temporary.

Dr. Heffner stated that the original estimate of a nationwide increase of 10% in the amount of Federal funds available to support research in Universities was subject to revision as a result of the recent efforts of the Johnson Administration to cut back all nonessential spending and would probably be substantially less. While speculating that Stanford would probably fare better than the national average, he warned that "we may soon be in for rough times."

The President then noted the completion of the work of the "Planning Committee" looking forward to the review of Stanford's educational program and announced the appointment of Vice Provost Packer to serve as Chairman of the Executive Committee in charge of the review. He said he would ask Mr. Packer in due course to make a report to the Council.

He also announced that the review of the University's Tenure Policy was in its final stages, having gone through several revisions by the Executive Committee and by University counsel, and that the report of the review would be distributed to members of the Council during the quarter.

The President then referred to a number of matters relating to students, including the so-called "Off" issue and "Open House" policy. He said that these matters had been given extensive attention by University committees and the President's Office, and had had preliminary discussion by the Board of Trustees with further consideration scheduled for as early a date as possible.

The President closed his quarterly report by commenting upon a conference of the heads of Asian universities which he had attended in Hongkong in December,
along with a few other American university presidents. He noted that most of the Asian countries represented regarded themselves as "Developing Countries" and that the papers at the Conference reflected concern that with financial support to Higher Education in these countries coming largely from governmental sources, and with the interest in relating financial support directly to national developmental needs, certain academic areas were being slighted, including Humanities in particular. Another problem which was the subject of extensive discussion was the so-called "brain drain" having to do with students from developing Asian countries who sought advanced education abroad, notably in the United States, and who for a variety of reasons were lost to their native educational institutions because they found opportunities abroad more attractive and rewarding or because of the difficulty of their being placed happily and productively in the institutions of their native land. In seeking solutions to these problems, these universities were looking hopefully toward cooperative measures to be worked out among them on a regional basis and to closer association with western institutions.

The meeting was adjourned.

H. Donald Winbigler
Academic Secretary
MINUTES OF THE ACADEMIC COUNCIL

January 27, 1967

A special meeting of the Academic Council was held in Dinkelspiel Auditorium at 4:15 p.m. on Friday, January 27, 1967, on the call of twenty-one members of the Council.

In opening the meeting President Sterling called attention to the fact that although the Articles of Organization provided that notices of meetings should be mailed to the members of the Council at least two days prior to the meeting (Chapter IV, Section 2, Paragraph b), it had not been possible to mail the notice of this meeting until the previous day. This fact had been called to the attention of the Chairman of the Executive Committee who felt that the urgency of the question to be considered justified calling the meeting on short notice and that it would be inadvisable to postpone the meeting until the following week.

The President then noted that the members present had before them three statements as follows:

1. Proposed Resolution to the Citizens of California, which had been prepared by Professor Halsey L. Royden and signed also by Professors Edwin M. Good, Donald Kennedy, David Levin and Brooks Otis. As distributed with the call to the meeting the proposed resolution read:

"The University of California is one of the finest universities America has known. Its greatness results from the presence of a large share of the nation's distinguished scholars, teachers, and scientists on its Faculty. The continuation of this greatness has been endangered by the irresponsible action of its Board of Regents.

"As of today, no reputable educator would assume the presidency of this University, and universities outside California eagerly anticipate the enrichment of their faculties from the spoils at Berkeley.

"We, the Faculty of Stanford University, join our colleagues at Berkeley in utterly condemning the dismissal of President Clark Kerr. We ask you to help re-establish the political independence and to maintain the excellence of the University of California."

2. Public Statement of the Executive Committee of the Academic Council and of the Advisory Board, dated Tuesday, January 24, 1967, which had been distributed at the door and read:

"The Executive Committee and Advisory Board of Stanford University regret that the University of California has lost the leadership of Clark Kerr, and congratulate the University on its unprecedented progress during his term as President. We hope that the University will continue to develop according to established long-range plans.

"During its recent years of progress the University of California has appeared to be largely free of political interference. We affirm our belief in a system which grants reasonable autonomy and planning authority to university administrations and to university faculties. Great universities often give rise to new knowledge and new attitudes
Minutes of the Academic Council  
January 27, 1967

"that perplex both those who legally supervise them and those who support them with their taxes and contributions. We believe that the people of California are best served by universities, both public and private, that remain free of political pressures and encourage intellectual innovation and controversy."

3. Proposed Resolution to the Governor and the Chairman of the Board of Regents, which had been prepared by Professor Gordon Wright as a substitute for the resolution drafted by Professors Royden et al. It also had been distributed at the door and read:

"A great public university is a priceless asset to any state. The University of California presently ranks as one of the country's greatest. Its distinction is demonstrated by the quality of its faculty, which includes some of the nation's most noted scholars, teachers, and scientists.

"The continuation of the University's greatness has been endangered by the disturbing and precipitate action of its Board of Regents. The circumstances of President Clark Kerr's dismissal will make it difficult to attract a comparably distinguished educator to assume the presidency. Meanwhile, universities outside California eagerly anticipate the enrichment of their faculties from the spoils at Berkeley.

"We, the faculty of Stanford University, join our colleagues at Berkeley in deploring this development. We believe that no university can function effectively unless its president enjoys the freely-expressed confidence of both the Board of Regents and the faculty. We ask that you, in association with the faculty of the University of California, take all necessary steps to ensure the University's political independence and to maintain its excellence."

Before calling for any motion, the President asked Professors Hilgard, Royden and Wright, respectively, to comment on the statements which had been distributed.

Professor Hilgard noted that the statement from the Executive Committee and Advisory Board (Item 2 above) had been released to the press before the calling of this meeting. He added that the members of the Executive Committee and Advisory Board did not consider themselves entitled to speak for the faculty on this matter and that their statement was being submitted for the information of the faculty with no intent to influence its deliberations. He also read a communication from members of the Faculty of the Physics Department expressing regret that because of a previously scheduled professional meeting they would be absent from the Council meeting and the hope that the Council would adopt a firm statement on the matter.

Professor Royden emphasized that he and his colleagues had been moved by conviction that it was important for the Stanford Faculty to speak out clearly on the issues involved. He also expressed the hope that the Council would limit its considerations essentially to the alternatives which were before it in view of the difficulty of attempting to write a resolution from the floor.

Professor Wright noted that his proposed resolution was not substantially different from Professor Royden's, but pointed out that it differed in (1) being
directed to the Governor and the Chairman of the Board of Regents rather than to the Citizens of California and (2) in including somewhat more restrained language. He explained that in the preparation of this draft he had been influenced by reports of the experience of the Berkeley Senate in which a relatively strong resolution was adopted by a substantial majority and several "wildcat" resolutions were subsequently adopted by narrower majorities. Since the secondary resolutions involved both internal inconsistencies and contradictions with the original resolution, he felt that they contributed to divisiveness and confusion. He said that he hoped that any statement adopted by the Academic Council would be strong but would in so far as possible stimulate unanimity.

Following these preliminary statements, Professor Royden moved the approval of the resolution he had presented (Item 1 above) and the motion was seconded. In the discussion of the motion which followed, reservations were expressed regarding the categorical nature of the statement in the second paragraph of the resolution. Also there was indication of a desire to consider Professor Wright's resolution as an alternative. Professor Michael A. Arbib noted that the words "at Berkeley," as used in the second and third paragraphs, seemed to exclude other campuses of the University of California. He suggested that the specific references to Berkeley be eliminated. Professor Royden readily accepted this revision of his resolution.

Professor Herbert L. Packer moved that Professor Wright's motion be substitu-
ed for Professor Royden's. The motion was seconded and carried by a divided vote viva voce. Registrar Harvey Hall then moved approval of Professor Wright's reso-

Professor John I. Brauman moved to amend the resolution by striking the final sentence of the second paragraph and the motion was seconded. In a discussion of this motion, concern was expressed for the possible impact of the sentence in question on the morale of the Faculty of the University of California. The purpose of including such a sentence was considered, as well as possible revisions. When the question was called on the motion to amend, the vote viva voce was inconclusive. On the division of the house, the motion was carried by a vote of 148 to 89.

Professor Kennedy then moved that the sentence just stricken be replaced by the following: "Meanwhile, other universities anticipate the enrichment of their faculties at the expense of the University of California." This motion was seconded. In the debate which followed, the purpose and sense of the sentence were questioned. Professor Donald Fanger suggested the insertion of the word "may" before "anticipate;" Professor Kennedy and the seconder accepted this change in wording. The question was called on the motion to amend as modified and the vote viva voce was inconclusive. On the division of the house, there were 181 votes in favor of the motion and it was declared carried.

Professor Morris Zelditch, Jr. moved that the second sentence of the third paragraph of the resolution be deleted. The motion was seconded and the vote on the motion viva voce was inconclusive. On a division of the house, the motion was carried by a vote of 124 to 93.

Professor Avram Goldstein moved that the original resolution be amended by adding as the final sentence to the third paragraph the last sentence of the state-
ment from the Executive Committee and the Advisory Board (Item 2 above). The motion was seconded and after discussion the question was called. The motion was lost by a viva voce vote.
It was then moved that the resolution be addressed to the Citizens of California rather than to the Governor and the Chairman of the Board of Regents and the motion was seconded. After it had been pointed out that such a change would introduce inconsistencies with the text of the resolution, the question was called and the motion was lost by a viva voce vote.

Professor David Levin then moved that the resolution be amended by substituting the following for the final sentence in the third paragraph: "We urge the Regents to restore confidence in the University's independence by giving the Faculty a major voice in choosing a new president and by establishing effective safeguards against the arbitrary or summary dismissal of administrators." The motion was seconded. When the question was called in a division of the house, there were 131 affirmative votes and the motion was declared carried.

Discussion of the original motion, which continued, included questioning of the propriety of this Council's taking the proposed action on a matter involving the University of California. It was also suggested that the dismissal of President Kerr may have been justified. When the question was called on the original motion as amended, it was carried by viva voce vote. A copy of the resolution as finally adopted is attached to these minutes.

Professor Royden moved that the Academic Secretary be instructed to send a copy of the resolution to each member of the Board of Regents of the University of California and to each Division of the Academic Senate of the University. The motion was seconded and carried by viva voce vote.

Professor Guy M. Pound requested that the Academic Secretary make it clear that the Council's action on the resolution was not unanimous. Suggestions were made regarding the way in which this should be done. Professor Packer called for a standing vote on the original motion. The results of this vote were 228 in favor of the resolution and 28 against.

Professor Kennedy moved that the Academic Secretary be instructed to send the tally along with copies of the resolution to the stated representatives of the University of California. The motion was seconded and carried by viva voce vote.

The meeting was adjourned.

H. Donald Winbigler
Academic Secretary to the University
Resolution Adopted by the

Academic Council of Stanford University

January 27, 1967

A great public university is a priceless asset to any state. The University of California presently ranks as one of the country's greatest. Its distinction is demonstrated by the quality of its faculty, which includes some of the nation's most noted scholars, teachers, and scientists.

The continuation of the University's greatness has been endangered by the disturbing and precipitate action of its Board of Regents. The circumstances of President Clark Kerr's dismissal will make it difficult to attract a comparably distinguished educator to assume the presidency. Meanwhile, other universities may anticipate the enrichment of their faculties at the expense of the University of California.

We, the faculty of Stanford University, join our colleagues at Berkeley in deploiring this development. We urge the Regents to restore confidence in the University's independence by giving the faculty a major voice in choosing a new President and by establishing effective safeguards against the arbitrary or summary dismissal of administrators.
DEGREE LIST
April 7, 1967
BACHELOR OF ARTS AND BACHELOR OF SCIENCE

SCHOOL OF EARTH SCIENCES
B.S. Geology
Richard Allan Schweickert

SCHOOL OF ENGINEERING
Boardman Terence Moore
Peter Sommer Vermeil

B.S., Chemical Engineering
Charles Aguilar III

B.S., Civil Engineering
Knut Magne Arnesen
Michael Stephen Bronzini
William Alonzo Drummond III
Christopher Henrik Lund
Erling Nordgreen
Gene Eldon Thorne

B.S., Electrical Engineering
David Clark Anderson
Frederick Thomas Buhler
Ira DeVoyd Hall, Jr.
George Daniel Larson
Richard Michael Spanler

B.S., Industrial Engineering
Jeffrey Luke Beck
Robert Lemp Simonson

B.S., Materials Science
Benjamin Francis
Irene Emma Vidaurre

B.S., Mechanical Engineering
David John Bardsley
George Paul Bardsley
Robert Lee Broderick, Jr.
Dale Gordon Jones
James George Niforopolos
Robert Michael Parsons
Alan Burt Reiter
Diego Jose Sanchez

SCHOOL OF HUMANITIES AND SCIENCES
A.B., Anthropology
Gerald Robert Hearn
Mary Bazan Sheridan Howard-Gibson
Sandra Lucile Nichols
Valerie Ann Seyfert

A.B., Architecture
Steven Lynn Hodge

A.B., Art
Marcia Carole Cohn
Beth Wheeler Epmeier
Judith Marie Fletcher
Pamela Sue Hutchison
Marilyn Molner Mittelman
Joyce Rae Simison
Elizabeth Jean Trimble

A.B., Biological Sciences
William James Beppu
Ingrid Christine Buhler
Robert Daniel Vukajlovich
Joseph Harley Weydt

B.S., Chemistry
Richard Cornforth Lanning

A.B., Communication
Barbara Brown Lender Ingram
Margaret Alice Price
Arthur M. Snyder

A.B., Economics
William Herbert Badstubner
Clifford Edward Caballero
Philip Godfrey Chapman
Robert Lamson Crowell
Gerald Mark Curry
Dennis Demont Hansen
Lawrence Kenneth Heath, Jr.
Carolyn Sue Keller

(Continued)
A.B., Economics (Continued)
Richard James Olsen
Donald Charles Quaintance II
Edward Elliott Shaw
Richard Francis Stacks
James Austin Swenson

A.B., English
James Morgan Boyers
Janet McNeal Bryant
John Locke Cutter
Raquel Leilani Dow
Richard Levet Harriman
Colin Patrick Higgins
Patricia Anne Jacobson
Harold Kalishman
Deborah June Weber Kludt
Harvey Donald La Tourette
Jeffrey David Lewin
Janet Ashcroft Munro
Mary Virginia Edwards Nolte
Philip Welles O'Donnell
Royce Lorraine Salisbury
Diane Sumner

A.B., French
Leslie Ann Cool
Lynne Diane Ludwig
Marcia Frances Paine
Alexandra Roosevelt

A.B., German
Ingrid Linnea Gustus
Patricia Lee Rather
Jerold Burnett Wikoff

A.B., History
John Earle Wells Bartlett
Janet Lynn Benish
Cheever Mackenzie Brown
John Alexander Casey
Lloyd Charles Chiswick II
Mary Greer Clark
Ann Michelle Varnum Commons
David Andrew Devine
Joan Palmer Ellis
Lauren Trumbull Gartside
David Hutchins Hamlin
Robert William Hatton
David Culver Kenny

A.B., History (Continued)
Victoria Knapp
James Bryan Laney
David Roger Lipson
Paul Ralph Macchiaverna
Van Johnston Manuel
Rose Marie Rulofson Mayer
Mary Ann Milias
Laurence Alexander Miller
Mary Lynn Mollere
Frances Diane Miblack
Michael Robert Pavko
Jennifer Marie Pyle
James Jabus Rawls
Jeanne Marquand Robertson
Martha Elinor Rusch
Monica Ann Stephens
Stever John Taylor
Ejnar Nicolai Christian Thompson, Jr.
Robert Kent Tiernan
Nancy Jean Toll
Benjamin Franklin Whitehill III

A.B., Japanese
Craig Milton Haagenson

B.S., Mathematics
Markita Louise Price

A.B., Music
Joan Carol Aspinall Clappier

B.S., Physics
Donnie Ann McDonald
Allan Montrose Mohrman, Jr.
Robert John Scott

A.B., Political Science
Anthony Edward Andrews
Helen Louise Benjamin
Kenneth Paul Bergquist, Jr.
Thomas Francis Byrnes, Jr.
Samuel Oliver Givens III
Larry Robert Jones
Michael Anthony McGuire
Marilyn Gard Marshall
Renee Maria Moss
George Patrick Seery
Cynthia Joan Telep
A.B., Psychology

Katherine Marie Ackerson
Susan Elizabeth Albers
Marilyn Ann Bloch
Kathleen Collins
Scudder James Davis
Edward Francis Donovan
Edward Arnold Landen
Laura Noel Grant Myers
Dennis Todd O'Donnell
Jennifer Irene Buss Schneider
Jessica Mimi Sherman
Brooke Stevens
Carol Cynthia White

A.B., Sociology
Jon Robert Calhoun
Gail Mildred Kong

A.B., Spanish

Wendy Burton Bush
Janet Eloise Fish

A.B., Speech and Drama

Dale Roberta Hopkins
Jane Ellen House

B.S., Statistics
Kenneth Ralph Guy

SCHOOL OF MEDICINE

A.B., Speech Pathology and Audiology

Gretchen Bickell Jordan
CANDIDATES FOR ADVANCED DEGREES

April 7, 1967

MASTER OF ARTS and MASTER OF SCIENCE

SCHOOL OF EARTH SCIENCES

M.S., Geology
Robert Joseph Fleck
John Milne Albuquerque Forman

M.S., Mineral Engineering
Mehmet Tevfik Utine
Luis Rousset Velho

SCHOOL OF EDUCATION

A.M., Education
Daryl Morley Brotman
Chungchoon Choy
Susan Beck Furchtenicht
Ann Maureen Zemke Graham
Agustín Marino Lombana
Stanley Mayerson
Hernán Peñaloza-Castro
Rajendra Prasad
Patricia Ann Preuss
Sandra Eve Stefanisin
Laurence Eugene Wentz

SCHOOL OF ENGINEERING

M.S., Aeronautics and Astronautics
Kenneth Roy Lorell
Alfred Conrad Mascy
Manuel Nathenson

M.S., Chemical Engineering
Frank Yu-Fang Pan
Delmar Wylie Robinson

M.S., Civil Engineering
Adolfo León Campo Abadía
Neal Hugh Bernard Benjamin
Benedict Chukwudum Egboh
Hernando Fajardo de Castro
Larry Michael Greene
Barry Lee Peterson
Thad Roberts
James Anthony Tucker
Yoshio Yokoyama
Sheldon Sin Hee Zane

M.S., Electrical Engineering
Christopher Warren Barnes
Nicholas Cianos
William Eric Drummond
Joel Falk
David Farrington
Víctor Van Funderburk
Scott Oliver Graham
Robert Alan Hayes
Byung-Gan Lee
William Bradford Leonard
Richard Lee Okino
James Gordon Potter
Charles Leonard Robinette, Jr.
James Joseph Sakolosky
Garry Robert Shapiro
Neil Reid Tanner
George Harold Wagner
Sidney Ira Wax
John Nowland Whitesell

M.S., Engineering Science
Donald Allen Wilhelmson

M.S., Industrial Engineering
Harold Newton Dreibelbis, Jr.
Robert Michael Hartwig
Gerald Lewis Johnson
Edmund Carroll Massey III
M.S., Materials Science
Lee Francis Donaghey

M.S., Mechanical Engineering
Frederick Theodore Carter
James Robert Guyaux
James Lloyd Lass
Nicholas Edward Miller
Stephen Kenneth Rush
Dunham Baldwin Sherer
Harold Sui Wing Soo
Bohdan Andrzej Jerzy Sukienicki
Snehal Shantilal Sutaria
Edward Randolph Vinieratos

INSTITUTE OF FOOD RESEARCH
A.M., Food Research
Hector Mariano Arangua-Morales
Glenn Lawrence Nelson

SCHOOL OF HUMANITIES AND SCIENCES
A.M., Anthropology
Stephen Michael Fjellman
Douglas Earl Foley
A.M., Art
Joanna Eakin Despres
M.S., Chemistry
Beverly Ann Braman
A.M., Communication
Jacqueline Rose Carter
Guy Funabiki
Jerry Richard Galyean
Grace Anne Catherine Dorney Koppel
Saad Ahmed Raheem
Carole Ann Shifrin

M.S., Computer Science
Charles William Steele
Kenneth Micheal Viafore
James Manson Wells

A.M., Economics
Stephen Maurice Levy

A.M., English
Donald Douglas Babcock
Hans Peter Breuer
Roger Moorey Brown
Roger Godfrey Dahood
Louise May Lateiner Dibble
Frederick Burton Dyer, Jr.
Mary Elizabeth Estok
William Giczkowski
George Leo Grant
Marie Paulus Gussenhoven
Betty Ann Hanson
Charles Brent Harold
Roger Black Henkle
Helen Marie Jaskoski
Lee McKay Johnson
Ralph Dean Melang
Susan Gerta Modell
Stephen Moodey Ross
Michael David Silverman
Robert Lee Stuart
Gregory John Theissen
Thomas Anthony Zaniello

A.M., French
David John Florian

A.M., German
George Frederick Peters

A.M., History
Janet Colson
Michael Paul Johnson
Alvin Larkin Kirkman
Patricia Ann Mayberry
Frank Almond Partlow, Jr.
Edward Henry Platte, Jr.
William Milford Rideout, Jr.
Ann Wright Schmidt Shannon
A.M., Latin American Studies
Alan Harris Traister

M.S., Mathematics
Alan Stuart Gleit
Robert William MacCormack
Barry Bruce MacKichan
Robert Martin Reithner, Jr.

A.M., Music
Joan Brooks Wallace Myers
Gordon Samuel Rowley
Anne Louise Warner

M.S., Physics
James Russell Johnson
Barbara Suzanne Goss Levi
Edward George Wilson

A.M., Political Science
Percy Edward Haley III
Thomas Upton Sisson, Jr.
Katherine Jane Price Tepperman

A.M., Sociology
Ann Jeannine Barry Flood
Eugene William Lehr
Sheryl Lynne Roberts Ofshe

A.M., Spanish
José Oliveira Mendes

M.S., Statistics
David Allen Bogdanoff
Alan Enoch Gelfand
Robert Byng Gordon
David Stephen Prince Hopkins
Didina Ann Johnson
Iris Leonor Laguna
John Paul Lehoczky
Cheng-liang Li
Paul Douglas Pinsky
George Thornycroft Vernon
Neil Packer Wold

A.M., Teaching
Thomas Wesley Carr (German)
Rosemary Kelley (English)

SCHOOL OF MEDICINE
A.M., Speech Pathology and Audiology
Sharon-Joyce Cowan
Donna Jo Dagenais
Susan Dale Katz
Gloria Ann Kubis Revak
Janet Ruth Friedman Weimer

ENGINEER
SCHOOL OF ENGINEERING
Aeronautics and Astronautics
Bruce Theodore Willey
Electrical Engineering
Adolph Fejfar
Engineering Mechanics
Knut Skarpaas

DOCTOR OF EDUCATION
SCHOOL OF EDUCATION
George Clark Cochran
Robert Floyd Fletcher
Lawrence Edgar Sheppard
BACHELOR OF LAWS

SCHOOL OF LAW

John William Brahm
Marion Lee Brown
William Mitchell Burke
Carolyn Ann Sutton Eckmann
Ralph Ehrenpreis
Winston Paul Griepp
John Thomas Porter
Raymond Frederick Sebastian

DOCTOR OF PHILOSOPHY

GRADUATE SCHOOL OF BUSINESS

Daniel Lumon McDonald
Edwin Van Wyck Zschau

SCHOOL OF EARTH SCIENCES

Geology

Arthur Dwight Baldwin, Jr.
Désirée Elizabeth Stuart-Alexander

Geophysics

Howard Charles Clark, Jr.
Laurent Justin Meister

SCHOOL OF EDUCATION

Jerry Page Becker

SCHOOL OF ENGINEERING

Aeronautics and Astronautics

David Jehiel Prager
Robert Howard Tuffias

Chemical Engineering

Dong Hae Chun
Dunford Dale Snowden

DOCTOR OF PHILOSOPHY (continued)

Civil Engineering

Alonzo William Lawrence
Steve Robert Lionberger
Moshe Negev
William Wen-Gong Yeh

Electrical Engineering

Normonds Alens
George Herbert Blount
Pierre Lucien Paurre
William H. Hardl
Walter James Kleinfelder
Anthony Joseph Kramer
Dan William Peters
Megha Syham
Glen Huntington Smerage
Hartmut Sonnenberg
John Julian Uebbing

Engineering Mechanics

Peter Moll Barba
Rudolf Ernest Elling
Robert Franklin Gleason

Materials Science

David Morton Barnett

Mechanical Engineering

Harris Bonar McKee
John Robert Viegas
Siegbert Wolf

GRADUATE DIVISION SPECIAL PROGRAMS

Engineering-Economic Systems

Avraham Beja

Hispanic American and Luso-Brazilian Studies

Frank Robert Jackle

Social Theory and Economic Development

Dale Leonard Johnson
DOCTOR OF PHILOSOPHY (continued)

SCHOOL OF HUMANITIES AND SCIENCES

Anthropology
Mary Rose Bartholomew Black

Biological Sciences
David Hudson Evans
Meredith Charlotte Gould
George Nicholls Somero

Chemistry
Stephen Francis Brady
Francis Raymond Nordmeyer
Harry James Price
Albert Reynolds Van Horn

English
Norman Briggs Council
Alfred Carl Habegger
Bruce Lynn Liles
Leslie Howard Martin, Jr.

English and Humanities
Ronald James Lee
Michael Peter Rewa, Jr.

German
William Mathews Estabrook
Edwin Arnley Hopkins
Hans William Kelling

Mathematics
Krishna Balasundaram Athreya
James Watson Burrows

Music
Paul Joseph Jackson

Philosophy
Leonard Samuel Carrier
Ronald Suter

Physics
Darrell Dean Sell

Political Science
Wilfred Olaf Reiners

Psychology
Judah Landes

Sociology
Howard Delcour Jolly
Phillip Colton Smith

Speech and Drama
Conrad Joy Bishop

Statistics
Jean-Paul Georges Gimon

SCHOOL OF MEDICINE

Anatomy
Roger Bruce Stephens

Biochemistry
Lindsay Wilhelm Black

Medical Microbiology
William Charles Davis
John Fielding Mac Knight

Speech Pathology and Audiology
Joel Sander Wernick

OPERATIONS RESEARCH
Bruce Leonard Miller
Michael O'Hagan
Jeremy Frank Shapiro

List as of 3/22/67
MEMORIAL RESOLUTION

BAYARD QUINCY MORGAN
1883-1967

Bayard Quincy Morgan, Emeritus Professor of German, died on Tuesday, February 7, at his campus home where he had lived since coming to Stanford in 1934.

"B.Q.", as he came to be known to colleagues, friends and students, received his A.B. from Trinity College at Hartford, Connecticut, in 1904 and his Ph.D. from the University of Leipzig in 1907. In the same year, he joined the faculty of the German Department of the University of Wisconsin, where he taught until 1934, since 1925 in the rank of Professor of German. In 1934, he was invited to Stanford as head of the German Department, which post he held until his retirement in 1948.

Since his retirement, B.Q. contributed in no small way to the already existing legend surrounding his name. His sixteen hour workday was systematically filled with the continuation of the varied activities he had pursued even during his long teaching career. Since 1948, his English prose translation of the second part of Goethe's Faust appeared; at the age of 81, he collaborated with Professor Herbert Spiegelberg of Washington University, St. Louis, in the publication of The Socratic Enigma, a book covering virtually everything ever written about the Greek philosopher. During his "retirement" B.Q. served as Vice President of the Modern Language Association of America and among other things proof read all its publications; and during this time he also set up a bibliography of the world's languages for the U. S. Office of Education.

Professor Morgan's major contribution to the field of Germanistics was his Critical Bibliography of German Literature in English Translation, 1481-1935. This was recently republished with a major version carrying it to the year 1958.

The field of translation was his particular concern, and among the more than forty publications which he authored or co-authored, there are a goodly number of excellent translations from German to English, both in prose and in verse. As far as is known, he is the only scholar who offered a graduate course on "The Art of Translation," with participants free to use German, French, Italian or Spanish as their particular reference. Rumor has it that there exists among his papers the complete translation of Goethe's poems, done in the meter and verse of the original.

As a teacher, B.Q. had the rare gift of imparting conscientiousness and respect for sources to his students; he inspired in them not only scholarly desires but a love of the subject matter and an appreciation of the intricate connection between the aesthetic and the intellectual. His personal relation to the muses found multi-form expression in the composition of light verse, in both English and German, the writing of two string quartets, a lifelong participation in musical performance with a preference for chamber music, and in occasional stage appearances both on and off campus, in which his early study of music and voice bore fruit.

Both in his scholarly pursuits and in his teaching, as well as in the many private relations with friends and students, B.Q. could rely on the astute and harmonious assistance of his wife, Johanna, nee Rossberg. From the critical viewing and editing of his many manuscripts to her easy direction of frequent gatherings for students and colleagues, Mrs. Morgan's presence was an integral part of the Morgan house.
As recently as 1960, Professor Morgan helped organize the first of a series of Stanford Summer NDEA Institutes for American High School Teachers of German at Bad Boll, Germany. In 1963, he was awarded the Gold Medal of the Goethe Institute of Munich for his "services to the German Language in the United States."

Professor Morgan is survived by a brother, Victor Morgan, of Madison, Connecticut; two daughters, Mrs. Elisabeth A. Masteller, who lived with him at 730 Santa Maria Street on the campus, Mrs. Margaret Cahill of Butler, Pennsylvania; and six grandchildren.

To the many who were his colleagues, his friends, and his students, the passing of B.Q. amounts to the end of an era.

H. R. Boeninger, Chairman

Gertrude L. Schuelke

F. W. Strothmann
MEMORIAL RESOLUTION

VICTOR CHANDLER TWITTY
1901-1967

Victor Chandler Twitty was born near Loogootee in Martin County, Indiana, on November 5, 1901. He was the youngest of five children of John McMahon and Emma Chandler Twitty. After a boyhood in southern Indiana he enrolled in Butler College (now University) in Indianapolis, from which he received an A.B. degree in 1925.

He himself has described his choice of Yale's Department of Zoology for graduate training as fortuitous but fortunate. The staff of the Osborn Zoological Laboratory, headed by Ross Harrison, included several outstanding scientists who were at the peak of their careers and a group of graduate students most of whom were to make significant contributions in the future. Of his choice of the field of embryonic development for graduate training and specialization he says, "I arrived at Yale with little preparation or bias that would predispose me in choosing among areas of modern research specialization in the Department."

It was an exciting time in embryology. The definitive paper on heteroplastic transplantation of the organizer was published in 1924. Harrison and his students had used microsurgery and transplantation experiments together with tissue culture to investigate problems of growth accommodations and conflicts, proportionate growth, and size regulation. Experiments using vital and supra vital dyes, among other things, had made mapping of the pattern of development in the egg a possibility. The problems of embryonic induction, cell migration and cell and tissue interaction appeared to be yielding to experimental analysis. A new Yukon was opening to which eager miners, in the words of Harrison, were now rushing to dig gold.

Twitty received his Ph.D. degree from Yale in 1929. He stayed on at Yale as an instructor from 1929 to 1931, and went as a National Research Council Fellow to the Kaiser Wilhelm Institute in Berlin the following year.

In 1932 he came to Stanford as an Assistant Professor of Biology and in 1936 became a full Professor. His earlier experimental work at Stanford contributed significantly to the understanding of factors that regulate proportional organ size, organ form, cell migration, growth and cell and tissue interaction. His great strength as an investigator lay in his ability to cut through the overlying complications of a problem and to frame his questions in terms that lent themselves readily to an experimental approach.

His distinction as an experimental embryologist is attested by the high regard in which he was held by professional colleagues. He was a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and of numerous scientific societies in this country and abroad. Numerous capable graduate students came to study with him, and many established experimental embryologists came to work in his laboratory. He gave generously of himself to his students, both as a scientist and as a friendly and compassionate man. He was able to instill his own sophisticated understanding of research attitudes and techniques, his ability to analyze problems into their simpler components, his appreciation of the role of chance in research and discovery and his great talent for accepting disappointment philosophically.

He was from boyhood an enthusiastic fisherman, a lover of the outdoors and a naturalist. In more recent years his interests shifted from the experimental analysis of development to the genetics, speciation and ecology of the California salamanders that he had previously used as embryological material. He did important work on artificial hybrids of the local species, and at a ranch in Sonoma County which became the focus of his scientific activities, he conducted a remarkable series of experiments on the salamander's homing abilities. It is rare for a man to do really
distinguished work in two fields so widely different. It is rarer still when he can write about them both with the felicity, charm and wit that characterizes the book Of Scientists and Salamanders, which he completed shortly before his death.

From 1948 to 1963 he was Executive Head of the Department of Biological Sciences at Stanford. He brought to the chairmanship a sense of purpose and direction, good judgment, tact, an ability to delegate responsibility and a capacity to compromise the desirable with the possible. He always found time to participate actively in a broad range of University and community affairs.

He married Florence Eveleth August 3, 1934. They had four children, John, Eveleth, Sarah Ellen and Edith Ann, and an adopted son Kalevi Holsti.

Victor Twitty died on March 22, 1967. He was 65.

Joseph F. Oliphant, Chairman
Donald Kennedy
Benjamin M. Page