

MINUTES OF MEETING OF THE FACULTY SENATE OF THE UNIVERSITY OF ARIZONA  
Monday, October 7, 1957  
Room 101, Law Building

The Faculty Senate convened in regular session at 3:40 P.M. on Monday, October 7, 1957, in Room 101 of the Law Building. Thirty-two members were present with President Harvill presiding.

Approval of Minutes: The minutes of the meeting of May 6, 1957 were approved without change.

Catalogue changes and additions: The report of catalogue changes and additions, as published under date of October 4, was accepted without change. This was as follow:

NEW COURSES:

Geology 328 Principles of Geochemistry (3) Damon  
An introductory course in the chemistry of the earth. Survey of the origin, structure, and composition of the earth and the distribution and migration of the chemical elements in nature.

Geology 329 Nuclear and Isotope Geology (3) Damon  
Systematic study of nuclear and isotopic processes occurring in nature of interest to the geologist. Particular attention will be given to geochronological applications. Techniques of importance to industry, such as isotopic tracing and activation analysis, will also be covered.

Secretarial Studies 273 Advanced Techniques for Office Control (2) I Langen  
The analysis and application of modern techniques for special office situations in varied businesses. P.SS 77 or equivalent office experience. Fee, \$3.

Chinese 100a-b Elementary Modern Chinese (3-3) I,II Hucker  
An introduction to the use of the modern Chinese language (Mandarin), with equal emphasis on speaking and reading.

German 1g-2g Training in Reading for Graduates (0) Staff

Nursing 170 Patient and Community Teaching (3) Coulter  
A required course for graduate nurses which supplements courses in clinical nursing transferred from Diploma Schools of Nursing. It is designed to help students identify health problems of hospitalized patients or community groups and to take responsibility appropriate for professional nurses in organizing content material and selecting methods incident to the teaching plan.

Education 389-E Evaluating Elementary Schools (3) I or II Rucker  
The principles and techniques of elementary school evaluation with special emphasis upon program evaluation through the process of cooperative self appraisal; laboratory situations will be developed within actual school situations wherever possible.

Change from 15 to 17  
members at large  
page 363, 364  
Faculty Senate Minutes  
page 363  
1957-58

9/7/48 =

1/27/58 page 363  
Minutes of 57-58

8/12/61 Add Coordinator  
of Research p689  
60-61

p 558 - 5/59 - 17  
members to 18

Oct 6, 1958 refers to bylaw  
~~to~~ calling for 17 members  
at large instead of 15.

NEW COURSES (Cont'd)

Electrical Engineering 246-ER Engineering Statistics and Reliability I (3) I or II  
Elementary course concentrated on familiarizing the engineer with basic concepts of statistical tools and their application to problems in the Control of Reliability. Organizational potential in modern plants discussed briefly. The case study approach will be used to develop a working knowledge of the following statistical tools: "t" test, Variable Control Charts, and Exponential Law of Diminishing Failure Incidence.

Pharmacy 4 Dosage and Solutions (2) I Zapotocky  
A study of dosage forms and their relationships, and of pharmaceutical and prescription terminology, including systems of weights and measures used in medicine, and calculations related to the proper use and administration of drugs. Note: This new course was approved with the provision that the following statement be added to the descriptive paragraph: "Credit may not be secured for both Pharmacy 4 and Pharmacy 10."

Geochronology 299 Special Problems (1-5) I, II Staff

B.A. 53-E,I,II,III Chartered Property Casualty Underwriter Review No credit  
A course of study for property and casualty agents for preparation to take the chartered property casualty underwriter examination.

B.A.178-E Local Planning Administration I (2) Wilson  
A course designed for the in-service training of those now working at phases of local planning, concerned with the scope and techniques of local planning.

CHANGES:

Metallurgy 231 Change title and description to:  
Introduction to the Physics of Metals.  
Theory and concept of the structure and behavior of metals from the atomic viewpoint with emphasis on the relation of crystal structure to observed properties and phenomena. 2R. P, 132.

Metallurgy 232. Change description to:  
Detailed study of alloy systems, constitutional diagrams, phase transformations, heat treatment. 2R. P, 231.

Welcome to new member: The Senate welcomed to membership the new Dean of the College of Business and Public Administration, Dr. Shaw Livermore, who succeeds Dr. E. J. Brown, retired.

Change in Constitution, proposal re: Dr. Gegenheimer suggested that the Senate consider changes in the Faculty Constitution in keeping with the appointment of a Vice President for Academic Affairs and a Vice President for Business Affairs. There was some general discussion, during which agreement was reached regarding the need for a change in the Constitution; and upon motion by Dr. Gegenheimer, with a second by Dean Rhodes, the Senate adopted the following proposed changes, for reference to the General Faculty:

Page 1, Article I. "The General Faculty", Section B, paragraph 2, change to read "The Vice Presidents. The senior Vice President attending shall preside in the absence of the President in such meeting."

Page 2, Article III. "The Faculty Senate", Section A, paragraph 2, change to read "The Vice Presidents. The senior Vice President attending shall preside in the absence of the President."

Page 2, Article III. "The Faculty Senate", Section A, paragraph 4, sub-section a. change the word "fifteen" to "seventeen" (Members-at-large).

It was understood that the proposed changes, as reported above, would be referred to the General Faculty for action, as provided for under Article VI "Amendments" of the Faculty Constitution, which reads as follows:

"Amendments to this Constitution may be proposed by the Faculty Senate or by petition signed by 20 members of the General Faculty. Copies of such proposals shall be sent to all members of the faculty. Not fewer than 20 days after distribution a meeting of the General Faculty shall be held for discussion of such proposals. Such amendments shall be submitted to a vote of the faculty, voting to be by ballot, and a majority of those voting being necessary for approval. Amendments shall become operative when approved by the Board of Regents."

The Senate also was pleased, on motion by Dean Rhodes and seconded by Dr. Galbraith, to formally invite Dr. David L. Patrick, Vice President for Academic Affairs, and Mr. Norman S. Hull, Vice President for Business Affairs, to attend the meetings of the Senate and participate in its discussions pending the outcome of faculty action on the proposed amendments.

Election of New Members: President Harvill called attention to vacancies in the Senate existing because of new appointments or resignations. These vacancies were filled as follow:

On motion by Dean Roy, with a second by Dr. Crowell, Dr. Desmond S. Powell was elected to fill the vacancy occasioned by the resignation of Dr. George W. Barr. Dr. Powell's term, as a member-at-large, continues to December 31, 1958;

On motion by Dr. Gegenheimer, with a second by Professor Enke, Professor Joseph L. Picard was elected a member-at-large to succeed Professor H. A. Marcoux, who now serves as an Ex-officio member of the Senate by virtue of his ~~appointment as Chairman~~ of the Faculty to succeed Dr. Herbert D. Rhodes. Professor Picard's term as a member-at-large expires December 31, 1958;

Upon motion by Dean Lyons, with a second by Dean Roy, the Senate elected Professor John J. Irwin to succeed Professor Norman S. Hull as the representative of the College of Law. Professor Irwin's term expires December 31, 1957. The vacancy was occasioned by Mr. Hull's appointment as Vice President for Business Affairs.

succession to the Chairmanship (change voted at 11/4/57 meeting of Faculty Senate).

Budget Report: President Harvill provided the Senate with a detailed report of the budgets as reviewed by the Board of Regents, particularly for the year 1958-59.

The total budget requests (all of these are in round figures) as originally submitted for the three institutions of the state amounted to \$16,436,000. The University's original request was for \$9,800,000, that of Arizona State College at Tempe was \$5,474,000 and that of Arizona State College at Flagstaff was \$1,160,000.

The budget request as approved by the Board on October 1, 1957 amounted to \$15,856,000 or \$579,000 less than the original amount requested. The amount approved for the three institutions, that is \$15,856,000, represents an increase of \$2,359,000 over the previous budget, or an increase of 17.48%.

The original legislative request was for approximately \$12,000,000. The budgets as adopted by the Board of Regents provide an appropriation request of \$11,036,000, or a reduction of \$965,000.

The new request represents an increase over the amount appropriated for the current fiscal year (\$9,366,000) of \$1,670,000.

The original budget as submitted for the University totalled \$9,800,000 and as approved by the Board shows a cut of \$186,000, to \$9,614,000.

The total increase in the over-all budgets recommended by the Regents is \$1,321,000, or 15.9%. The University's original legislative appropriation request was \$6,942,000, which is now reduced to \$6,587,000.

The original request of Arizona State College at Tempe was \$5,474,000, which is now reduced to \$5,098,000. The legislative request for Arizona State College at Tempe, after reduction, totals \$3,579,000. This represents an increase of 16% whereas the increase allowed the University of Arizona is represented by 20.7%.

The budget for Arizona State College at Flagstaff totals \$1,131,000, an increase of 9% over the current year. The legislative appropriation request is for \$870,000.

In making budget adjustments for all three state institutions, the Board of Regents, the President stated, provided that the number of persons to be added to the faculties for teaching purposes would be determined by a formula based upon student-faculty ratio. In the case of the University, this ratio was twenty to one, for Arizona State College at Tempe - twenty-two to one, and for Arizona State College at Flagstaff, a little less than twenty to one. The ratio at the University was defended very vigorously in consideration, especially, of the more complex programs available and the graduate programs.

The amount involved in the reduction of new faculty personnel requested for the next year is \$121,000. This reduction, however, is balanced somewhat, the President reported, by the fact that the total registration this year is somewhat under the total estimated. This makes it possible to plan an ever larger increase next year in spite of the reduction in teaching personnel. There are some areas, the President explained, where the University could use additional

faculty. Also, there are some areas where class enrollments are comparatively small and where it will be necessary to eliminate courses unless there is a definite increase in enrollment.

Another reduction in the budget, the President reported, is shown in the capital account. This amounted to \$65,000, but will still provide for some increase in the capital item to allow for especially important needs and for increases in costs.

The President felt that the full requests by the University were justified but reductions were explained by the reluctance of the Regents to ask the legislature for the amount involved in the total requests.

In connection with revenue, the President explained that the incidental registration fee, now amounting to \$40 per semester has been increased to \$50 per semester. This may result in an increase of some \$169,000 over collections this year.

The President added that revenues were affected by the denial of many admission applications, these denials this year exceeding eight hundred, virtually all from out-of-state. There was no aim, however, to change this situation since it is desirable to retain the University's present standards in connection with admission from high schools and from other colleges and universities.

The increase in the salary figure, the President reported, is a little more than 8% in the new budget over the salary figures as of July 1, 1957. This represents the amount which the Board of Regents will ask from the legislature. Staff increases amount to somewhat less than the percentage allowed for teaching faculty, but are fairly substantial for the most part. The President added, however, that in some areas members of the staff are greatly deserving of further increases. A total of some 40% increase in salaries has been observed in the University during the last six or seven years.

The President stated that the addition of two new Vice Presidents will greatly expedite the handling of the business of the University. The new appointments include the Vice President for Academic Affairs (Dr. David L. Patrick) and the Vice President for Business Affairs (Mr. Norman S. Hull). In this connection, the President referred to a statement of University organization recently published which outlines the functions within the organization and the line of responsibility followed in these several functions. The President invited questions and comments regarding the report, which will lend itself to modifications from time to time.

Report re Advanced Placement Program: President Harvill called on Dr. Patrick, Vice President for Academic Affairs, for a report regarding the University's interest in establishing an Advanced Placement Program through which students may be admitted to the University with certain advanced standing and/or advanced credits on the basis of satisfactory attainment in special examinations.

Dr. Patrick explained that the Advanced Placement Program, which enables the high school student to prepare for special examinations on the basis of which he may be given University credit or advanced standing in certain areas was initiated under a grant given by the Ford Foundation through the Fund for the Advancement of Education. The plan was devised under that grant and turned over for administration to the College Entrance Examination Board.

Under the plan the more able high school student may, with the help of the high school faculty, undertake to learn the material of Freshman English, chemistry, history, mathematics, et cetera. In the spring he takes an examination. This examination is set by the panel operating for the College Entrance Board Examinations but the panels represent both high schools and colleges and universities. A typical panel in physics includes Pennsylvania State University, Amherst College, Phillips Exeter Academy, Bethesda-Chevy Chase High School, Colgate University, Harvard University.

The examinations are graded by the Educational Testing Service at Princeton. Reports are sent back to the University or college the student desires to enter with advanced standing. The institution then determines whether it will provide advanced standing or advanced credit for that student on the basis of his attainment.

A control group of college students who have finished their Freshman year take the examination at the same time so that comparative results may be observed.

Dr. Patrick explained that in 1954 18 high schools participated in the program with 532 students taking 959 examinations, with admissions to 94 different colleges. In 1956, 110 schools were involved with 1224 students taking the examinations.

Institutions included in the original group cooperating with colleges and universities are: New York University, Cornell, Buffalo, Colgate, Rochester, C.C.N.Y., Queens College, Columbia College, Hunter College, and others.

The University of Michigan adopted the plan in 1955-56 and has arranged to give up to 16 units of college credit in recognition of attainment with grades 5, 4, 3, where 5 is high and 3 is passing. A grade of 2 will be considered in connection with placement, and a grade of 1 will be considered in connection with sectioning of students.

The University of Cincinnati gives credit and advanced placement, Columbia allows credit as well as placement, as does Tulane University, University of Oklahoma, Oklahoma A & M., and William and Mary. A number of other institutions follow the same practice.

Dr. Patrick explained he had written a number of letters to Arizona high school principals and had received a number of enthusiastic replies. Many principals apparently were not yet ready to go on record regarding the plan, but enough replied in the affirmative to indicate that the University would be justified in following up this matter.

It was Dr. Patrick's hope that the Senate would ask for the appointment of a committee to be made up of members representing the areas covered by the examinations and to have this committee study the matter and submit a recommendation to the Senate. It was his thought that if the recommendation is favorable, the Committee should be continued as a Standing Committee.

The subjects in which it was expected that examinations could be given included English composition, English literature, French, German, history, mathematics, biology, chemistry and physics. Mathematics, English, French and German offer the best opportunity, Dr. Patrick thought, to make a beginning on

the plan since they do not require laboratory facilities. There is no danger of reducing University standards through such a plan since the University has opportunity to review all examinations before giving any advanced placement or advanced credit. He felt it was timely to adopt this program and that it would be wise to follow the example of other accredited institutions in utilizing the facilities of the College Entrance Examination Board rather than institutional examinations. In response to a question, he added that the student pays an examination fee of \$10.

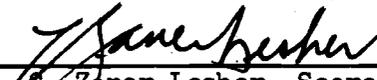
Dr. Crowell explained that at the Secondary School Conference this year mention was made of this Advanced Placement Program. It was his feeling that it was important that the University lose no time in getting into the plan and that many high schools feel the need for giving their students more opportunities for special study.

Dr. Gegenheimer stated that the University already allows students a similar opportunity in the special placement examination in English which, if successfully passed, allows the student to establish a full year of credit in Freshman English upon completion of English 1b. He suggested that if the committee were appointed, such a committee address itself to the preparation of an actual plan of participation on the part of the University and submit specific recommendations regarding the administration of the plan. He moved that the Senate declare its approval in principle of the idea and that a special committee be appointed to assist Dr. Patrick in implementing the plan with provision to report to the Senate. This motion was seconded by Dr. Crowell and passed.

During the discussion it was suggested that final plans be referred to the Board of Regents since it appeared desirable that uniformity of standards, especially in the nature of examinations given, be established.

Time of elections, suggestion re: Miss Paylore asked for information as to the basis for setting faculty elections in the fall rather than at some other time of the year. It was her feeling that elections might well be for the academic year or fiscal year rather than the calendar year and she suggested that this question be studied by the Senate. No information was readily available as to the reason for the present plan, but it was agreed that this matter would be placed on the agenda for further discussion.

Meeting adjourned at 5:20 P.M.

  
C. Zaner Leshner, Secretary