MINUTES OF THE UNIVERSITY SENATE
February 13, 1939

The University Senate met in the Assembly Room of Lafferty Hall Monday, February 13, 1939. President McVey presided.

The minutes of January 9 and January 27 were read and after minor amendments approved.

President McVey announced to the Senate that Omicron Delta Kappa was sponsoring a basketball game for the benefit of the University swimming team and the K Club. Professor Sulzer had been requested by this organization to organize a faculty band for the occasion. It was suggested that members of the University faculty who wished to participate should see Mr. Sulzer.

The Curriculum Committee reported to the University Senate as follows:

> "The Curriculum Committee recommends the approval of the request of the Faculty of the College of Arts and Sciences for the following new courses and changes in courses:
>
> Physical Education 55. Technique and Procedures of the Dance, 2 credits.
>
> Physical Education 112. Programs and Materials of Physical Education for Girls and Women, 3 credits.
>
> Physical Education 115. History and Survey of the Dance, 3 credits.
>
> Romance Languages 106a,b. Twentieth Century Spanish Literature, 2 credits. For Summer School only.
>
> History 199. World Affairs from the Franco-Prussian War to the Munich Conference of 1938, 2 credits. Summer School of 1939 only.
>
> Changes in Courses:
>
> Change write-up of Art 64a,b. Intermediate Design.
>
> Drop from curriculum Physical Education 16a,b, Training for Leadership in Women's Athletics. 2 credits each.
>
> Raise the number of Sociology 21, Population Problems, to 121."

These recommendations of the Curriculum Committee were approved.

Minutes of the University Senate - February 13, 1939

The special committee of the Senate appointed to consider the proposed Engineering curricula and the administrative policies to be observed in offering summer Engineering courses reported as follows:

> "The Committee recommends the approval of the curricula presented by the College of Engineering leading to the degrees of Bachelor of Science in Mining Engineering and of Bachelor of Science in Metallurgical Engineering.
>
> "The Committee recommends that the question of registration in the University Summer Session of students in the above curricula be referred to President McVey with the understanding that he will present his findings on the question to the Senate prior to the Summer Session of 1939."

The report of the Committee was approved by the University Senate.

The Engineering curricula approved by the above action is as follows:

CURRICULUM IN METALLURGICAL ENGINEERING

Freshman and first semester sophomore year unchanged.
(See pages 59 and 64 of the 1937-38 catalogue)

Sophomore Year

Second Semester

	Rec.	Lab.	Credits
Assembly 3b - Sophomore Class Society	1	0	0.0
Chem. 8 - Quantitative Analysis	1	8	5.0
Eng. Draw. 115 - Photography	2	2	3.0
Math. 20b - Integral Calculus	4	0	4.0
Met. 29 - Metallurgy of Ferrous Metals	3	0	3.0
Phys. 2b - General College Physics	3	4	5.0
Mil. Sci. 6b - Second year Basic Course	3	0	1.5
	17	14	21.5

Summer Work Preceding the Junior Year

Met. 60a - Metallurgical Laboratory - 7 weeks, 44 hours a week - 6.0 credits.

Junior Year

First Semester

	Rec.	Lab.	Credits
Assembly 4a - Junior Class Society	1	0	0.0
Applied Mech. 1 - Analytical Mechanics	4	0	4.0
Chem. 131a - Physical Chemistry	2	4	4.0
Elec. Eng. 101 - Elements of Electrical Engineering	2	3	3.0
Geol. 123a - Mineralogy	1	4	3.0
Met. 128 - Non-Ferrous Metallurgy	3	0	3.0
Met. 166a - Extractive Metallurgy	3	0	3.0
	16	11	20.0

Second Semester

Assembly 4b - Junior Class Society	1	0	0.0
Applied Mech. 100 - Strength of Materials	4	0	4.0
Chem. 131b - Physical Chemistry	2	4	4.0
Elec. Eng. 102 - Electrical Eng. Machinery	2	0	2.0
Eng. Adm. 100a - Eng. Valuations and Appraisals	3	0	3.0
Met. 166b - Extractive Metallurgy	3	0	3.0
Phys. 117 - Theory of Heat	3	0	3.0
	18	4	19.0

Summer Work Preceding Senior Year

Met. 120 - Assaying -2 weeks, 44 hours a week - 2.0 credits.
Met. 121 - Fuel and Met. Laboratory-2 weeks, 44 hours a week - 2.0 credits.
Met. 167 - Extractive Metallurgy
Plant Practice -3 weeks, 44 hours a week - 3.0 credits.
7.0

Senior Year

First Semester

Assembly 5a - Senior Class Society	1	0	0.0
Met. 140 - Science of Metals	3	0	3.0
Eng. Adm. 100b - Eng. Valuations & Appraisals) or (Eng. Adm. 101 - Law for Engineers)	3	0	3.0
Civ. Eng. 120 - Hydraulics	2	0	2.0
Met. 175a - Seminar	0	4	2.0
Phys. 119 - Principles of X-Rays	3	0	3.0
Phys. 123 - Principles of Thermodynamics	3	0	3.0
Language - French or German	3	0	3.0
	18	4	19.0

Second Semester -

	Rec.	Lab.	Credits
Assembly 5b - Senior Class Society	1	0	0.0
Met. 132 - Metallurgical Calculations	5	0	5.0
Met. 142 - Heat Treatment	2	4	3.3
Met. 150 - Industrial Mineral Prep. and Uses	3	0	3.0
Met. 175b - Seminar	0	4	2.0
Met. 143 - Physics of Metals	3	0	3.0
Language - French or German	3	0	3.0
	17	8	19.3

NEW COURSES

The following new courses are included in the foregoing curriculum and are recommended for approval.

Metallurgy 143 - Physics of Metals. (3) II Tarnopol

The study of the laws governing the formation of alloys. Subjects discussed are atomic structures of metals and alloys, atomic forces, superlattices, ferro-magnetism, perfect and imperfect crystals, corrosion, superconductivity, the physical properties of metals as a function of periodic and electro-chemical position, diffusion, free energy, Hume-Rothery and other rules and the use of X-rays and electron diffraction. Lectures and recitations, 3 hours a week.
PREREQUISITES: Met. 140, Phys. 123, Phys. 119.

Engineering Administration 101 - Law for Engineers. (3) I
To be taught be a member of the Law College Faculty.

The nature of law and the organization of courts. Contracts, offer and acceptance, comparative bids. Parties, consideration, discharge of contracts. Engineering specifications and estimates. The engineer before the courts and his relation to the public. Typical engineering contracts and specifications. Text - Legal and Ethical Phases of Engineering by Harding and Canfield. Lectures and recitations, 3 hours a week.

Note: This course has been worked out with the cooperation of Dean Evans.

The following new graduate courses are recommended for approval:

Metallurgy 213 - X-ray Metallography. (4) I, II Tarnopol

The atomic structure of metals and alloys will be determined. Laue, Debye, focusing, rotating crystal, Phragmen and Sacks type diffraction cameras will be studied; also stereographic and gnomonic projection, pole figures, fibre patterns, crystal structure and Cohen's analytical method of calculating lattice parameters. Radiographs will be made and interpreted. Lectures and recitations, 2 hours, laboratory 4 hours a week.
PREREQUISITE: Phys. 119.

Junior Year

First Semester

	Rec.	Lab.	Credits
Assembly 4a - Junior Class Society	1	0	0.0
Applied Mech. 1 - Analytical Mechanics	4	0	4.0
Chem. 131a - Physical Chemistry	2	4	4.0
Elec. Eng. 101 - Elements of Electrical Engineering	2	3	3.0
Geol. 123a - Mineralogy	1	4	3.0
Met. 128 - Non-Ferrous Metallurgy	3	0	3.0
Met. 166a - Extractive Metallurgy	3	0	3.0
	16	11	20.0

Second Semester

Assembly 4b - Junior Class Society	1	0	0.0
Applied Mech. 100 - Strength of Materials	4	0	4.0
Chem. 131b - Physical Chemistry	2	4	4.0
Elec. Eng. 102 - Electrical Eng. Machinery	2	0	2.0
Eng. Adm. 100a - Eng. Valuations and Appraisals	3	0	3.0
Met. 166b - Extractive Metallurgy	3	0	3.0
Phys. 117 - Theory of Heat	3	0	3.0
	18	4	19.0

Summer Work Preceding Senior Year

Met. 120 - Assaying -2 weeks, 44 hours a week - 2.0 credits.
Met. 121 - Fuel and Met. Laboratory-2 weeks, 44 hours a week - 2.0 credits.
Met. 167 - Extractive Metallurgy
Plant Practice -3 weeks, 44 hours a week - 3.0 credits.
7.0

Senior Year

First Semester

Assembly 5a - Senior Class Society	1	0	0.0
Met. 140 - Science of Metals	3	0	3.0
Eng. Adm. 100b - Eng. Valuations & Appraisals) or Eng. Adm. 101 - Law for Engineers	3	0	3.0
Civ. Eng. 120 - Hydraulics	2	0	2.0
Met. 175a - Seminar	0	4	2.0
Phys. 119 - Principles of X-Rays	3	0	3.0
Phys. 123 - Principles of Thermodynamics	3	0	3.0
Language - French or German	3	0	3.0
	18	4	19.0

Second Semester -

	Rec.	Lab.	Credits
Assembly 5b - Senior Class Society	1	0	0.0
Met. 132 - Metallurgical Calculations	5	0	5.0
Met. 142 - Heat Treatment	2	4	3.3
Met. 150 - Industrial Mineral Prep. and Uses	3	0	3.0
Met. 175b - Seminar	0	4	2.0
Met. 143 - Physics of Metals	3	0	3.0
Language - French or German	3	0	3.0
	17	8	19.3

NEW COURSES

The following new courses are included in the foregoing curriculum and are recommended for approval.

Metallurgy 143 - Physics of Metals. (3) II Tarnopol

The study of the laws governing the formation of alloys. Subjects discussed are atomic structures of metals and alloys, atomic forces, superlattices, ferro-magnetism, perfect and imperfect crystals, corrosion, superconductivity, the physical properties of metals as a function of periodic and electro-chemical position, diffusion, free energy, Hume-Rothery and other rules and the use of X-rays and electron diffraction. Lectures and recitations, 3 hours a week.
PREREQUISITES: Met. 140, Phys. 123, Phys. 119.

Engineering Administration 101 - Law for Engineers. (3) I
To be taught be a member of the Law College Faculty.

The nature of law and the organization of courts. Contracts, offer and acceptance, comparative bids. Parties, consideration, discharge of contracts. Engineering specifications and estimates. The engineer before the courts and his relation to the public. Typical engineering contracts and specifications. Text - Legal and Ethical Phases of Engineering by Harding and Canfield. Lectures and recitations, 3 hours a week.

Note: This course has been worked out with the cooperation of Dean Evans.

The following new graduate courses are recommended for approval:

Metallurgy 213 - X-ray Metallography. (4) I, II Tarnopol

The atomic structure of metals and alloys will be determined. Laue, Debye, focusing, rotating crystal, Phragmen and Sacks type diffraction cameras will be studied; also stereographic and gnomonic projection, pole figures, fibre patterns, crystal structure and Cohen's analytical method of calculating lattice parameters. Radiographs will be made and interpreted. Lectures and recitations, 2 hours, laboratory 4 hours a week.
PREREQUISITE: Phys. 119.

Metallurgy 230a, b, c and d - Research in X-ray Metallography.
(6) I, II, S Tarnopol
Research problems in X-ray metallography either diffraction or radiographic. PREREQUISITE OR CONCURRENT. Met. 143, Met. 213.

COURSES DROPPED FROM THE CURRICULUM

Chemistry 7 - Organic Chemistry. 4.0 credits.
Geology 12 - Elementary Geology for Engineers. 3.0 credits.
Phys. 122 - X-ray Analysis of Crystals. 3.0 credits.

Note: Chemistry 7 and Geology 12 will not be dropped from the catalogue.

COURSES REARRANGED AND RENUMBERED

Drop

Metallurgy 160 - Ore Dressing. 3.0 credits. 1st semester.
Metallurgy 161 - Flotation. 2.0 credits. 2nd semester.
Metallurgy 163 - Ore Dressing Laboratory. 2.3 credits. 2nd semester.

Replace by

Metallurgy 166a - Extractive Metallurgy. (3) I Emrath
Study of the principles and mechanisms applied to the practices of gravity concentration, flotation, and related processes, in the preparation of mine products for market, including discussion of the principles of plant design, with reference reading planned to keep the student informed of current technological development. Recitations and lectures, 3 hours a week for one semester, with assigned reference reading and problems. PREREQUISITES: Chem. 2b, Phys. 2a, Math. 20a, Met. 27.

Metallurgy 166b - Extractive Metallurgy. (3) II Emrath
Continuation of Met. 166a. 3 hours a week for one semester. PREREQUISITE: Met. 166a.

Metallurgy 167 - Extractive Metallurgy Plant Practice. (3) S Emrath
3 weeks summer course in the operation of plants studied in Met. 166a, 166b. Between junior and senior years. 44 hours a week.

The numbers and titles are new. The course content is practically the same with some expansion due to availability of new equipment.

Drop

Metallurgy 130 - Metallurgical Calculations, General and Non-Ferrous. 3.0 credits. 1st semester.

Metallurgy 131 - Metallurgical Calculations, Ferrous. 2.0 credits. 2nd semester.

Replace by

Metallurgy 132. Metallurgical Calculations. (5) II
The course content is the same. The number is new.

Move

From the Regular Session

Metallurgy 120 - Assaying. 2.0 credits. 1st semester senior.
Metallurgy 121 - Fuel and Met. Lab. 2.0 credits. 2nd semester junior.

To the Summer Session preceding the Senior Year

Metallurgy 120 - Assaying. (2) S
2 weeks, 44 hours a week.

Metallurgy 121 - Fuel and Met. Laboratory. (2) S
2 weeks, 44 hours a week.

COURSES ADDED TO THE CURRICULUM

Engineering Drawing 115 - Photography. (3) II

Physics 117 - Theory of Heat. (3) II

Metallurgy 143 - Physics of Metals. (3) II

One year of French or German in the Senior Year.

Engineering Drawing 115 and Physics 117 are now listed in the catalogue. Metallurgy 143 is a new course and is described in the foregoing under "New Courses".

CURRICULUM FOR THE DEGREE BACHELOR OF SCIENCE IN MINING ENGINEERING

At present three options are offered. It is proposed to combine two of them, the Metal Mining Option and the Non-Metallic Mining Option into one general course in Mining Engineering. The Petroleum Production Option is to remain unchanged.

OPTION ONE - A GENERAL COURSE IN MINING ENGINEERING

The freshman and sophomore years are to remain as shown on pages 59 and 65 of the 1937-38 catalogue, except Met. 26 is to replace Met. 27. The latter will remain in the curriculum for the degree Bachelor of Science in Metallurgical Engineering.

Summer Session, Preceding Junior Year

Met. 120 - Assaying Laboratory - 2 weeks, 44 hours a week - 2.0 credits.

Met. 121 - Fuel and Metallurgical Laboratory - 2 weeks, 44 hours a week - 2.0 credits.
4.0

Junior Year

First Semester

	Rec.	Lab.	Credits
Assembly 4a - Junior Class Society	1	0	0.0
Applied Mech. 1 - Analytical Mechanics	4	0	4.0
Mech. Eng. 103 - Elements of Heat-Power Eng.	2	0	2.0
Civ. Eng. 72 - Graphic Statics	0	4	1.3
Civ. Eng. 120 - Hydraulics	2	0	2.0
Elec. Eng. 101 - Elements of Elec. Eng. Machinery	2	3	3.0
Geol. 7 - Engineering Geology	2	0	2.0
Geol. 123a - Mineralogy	1	4	3.0
Met. 166a - Extractive Metallurgy	3	0	3.0
	17	11	20.3

Second Semester

Assembly 4b - Junior Class Society	1	0	0.0
Applied Mech. 100 - Strength of Materials	4	0	4.0
Eng. Adm. 100a - Engineering Val. and Appraisals	3	0	3.0
Elec. Eng. 102 - Electrical Engineering Machinery	2	0	2.0
Civ. Eng. 81 - Testing Materials	0	2	1.0
Geol. 123b - Mineralogy	1	4	3.0
Min. 126a - Development of Mines	4	0	4.0
Met. 166b - Extractive Metallurgy	3	0	3.0
	18	6	20.0

Summer Session, Preceding Senior Year

Min. 160a - Field Practice in Mining - 4 weeks, 44 hours a week. 3.0 credits.
Met. 167 - Extractive Met. Plant Practice 3 weeks, 44 hours a week 3.0 credits.
6.0

Senior Year

First Semester

	Rec.	Lab.	Credits
Assembly 5a - Senior Class Society	1	0	0.0
Civ. Eng. 102 - Reinforced Concrete	3	0	3.0
Civ. Eng. 104 - Reinforced Concrete Design	0	2	0.7
Eng. Adm. 100b - Engineering Val. and Appraisals) or (Eng. Adm. 101 - Law for Engineers)	3	0	3.0
Min. 126b - Development of Mines	2	0	2.0
Min. 129a - Mine Vent. and Drainage	3	0	3.0
Min. 130a - Mine Administration	2	0	2.0
Min. 176a - Seminar	0	4	2.0
Min. 127a - Mining Underground	3	0	3.0
	17	6	18.7

Second Semester

Assembly 5b - Senior Class Society	1	0	0.0
Civ. Eng. 171a - Theory of Structures	3	0	3.0
Met. 150 - Ind. Mineral Preparation and Uses	3	0	3.0
Min. 127b - Mining Underground	3	0	2.0
Min. 128 - Mining at the Surface	3	0	3.0
Min. 129b - Mine Vent. and Drainage	2	0	2.0
Min. 130b - Mine Administration	2	0	2.0
Min. 176b - Seminar	0	4	2.0
	17	4	17.0

The changes will involve the reorganization of material now presented in the Options in Metallic and Non-Metallic Mining, into revised combinations involving some introduction of new material, with some small change in total credits. Due to shifting of content of courses, new names and numbers are requested for revised courses. Revisions and new combinations will be required as follows:

Drop

Mining 60a, b and c - Mine Surveying and Field Practice in Mining Engineering. 6.0 credits. Summer Session.

Replace by

Mining 160 - Mine Surveying and Field Practice in Mining Engineering.
(3) S 44 hours a week for 4 weeks.

The number is new. The general nature of the course is the same except the time and the credits are reduced.

Drop

Mining 110 - Mining Stratified Mineral Deposits. 2.0 credits. 1st semester.

Mining 122a - Mining of Metallic Mineral Deposits. 3.0 credits. 1st semester.

Mining 122b - Mining of Surface Mineral Deposits. 3.0 credits. 2nd semester.

Mining 150 - Independent Work on Mining Problems. 3.0 credits. 2nd semester.

Replaced by

Mining 127a - Mining Underground. (3) I Emrath

Includes a study of methods of excavation and support, and underground working and development faces in all types of underground mining operations. Recitations and lectures, 3 hours a week with assigned reference reading. PREREQUISITE: Min. 126a.

Mining 127b - Mining Underground. (2) II Emrath
Continuation of Mining 127a. Recitations and lectures, 2 hours a week with assigned reference reading. PREREQUISITE: Min. 126a.

Mining 128 - Mining at the Surface. (3) II Emrath
Study of the methods of working placer deposits, open-pit mines, and similar surfacial mining operations. Lectures and recitations, 3 hours a week with assigned reference reading. PREREQUISITE: Min. 126a.

These are new numbers, titles and descriptions. The general content of the new courses is similar to that of the old ones with some contraction.

Drop

Mining 111 - Mine Ventilation. 3.0 credits. 2nd semester.

Replace by

Mining 129a - Mine Ventilation and Drainage. (3) I Emrath
Includes study of the principles applied in the conditioning of underground mine atmospheres, the drainage of underground mine workings, and the problems encountered in the handling of emergencies, such as fires and floods in underground workings. Recitations and lectures, 3 hours a week. PREREQUISITE: Min. 126a, preferably CONCURRENT Min. 127a.

Mining 129b - Mine Ventilation and Drainage. (2) II Emrath
Continuation of Mining 129a. Recitations and assigned reference reading, 2 hours a week. PREREQUISITE: Min. 129a.

These are new numbers, titles and descriptions. The general content of the courses is similar to that of the old one with some expansion.

Drop

Mining 123a - Mining Geology and Prospecting. 2.0 credits. 1st semester.

Mining 123b - Mining Geology and Prospecting. 3.0 credits. 2nd semester.

Replace by

Mining 126a - Development of Mines. (4) II Emrath

Includes study of the origin of mineral deposits in general, as they concern the engineering procedures involved in the location and exploration of mineral deposits and of the engineering processes involved in the development of prospects into mines. Recitations, 4 hours a week; reference reading and assigned reports. PREREQUISITES: Chem. 2b, Phys. 2a, Geol. 12 and Geol. 7.

Mining 126b - Development of Mines. (2) I Emrath

Continuation of Mining 126a. Recitations, 2 hours a week, with assigned reference reading and reports. PREREQUISITE: Min. 126a.

These are new numbers, titles and descriptions. The general content of the courses is similar to that of the old ones with some expansion.

Drop

Mining 125 - Management of Coal Mines. 2.0 credits. 1st semester.

Replace by

Mining 130a - Mine Administration. (2) I Emrath

A study of the engineering aspects of mine administration and management, of the technology and mechanization studies of mining and market preparation processes, and practice in the fundamentals of mine plant design. Recitations and lectures with assigned reference reading, 2 hours a week. PREREQUISITES: Min. 126a, Min. 126b.

Mining 130b - Mine Administration. (2) II Emrath

Continuation of Mining 130a. Lectures, assigned reference reading and problems in mine plant design. 2 hours a week for one semester. PREREQUISITE: Min. 130a.

These are new numbers, titles and descriptions. The general content of the courses is similar to that of the old ones with some expansion.

Drop

Metallurgy 160 - Ore Dressing. 3.0 credits. 1st semester.
Metallurgy 161 - Flotation. 2.0 credits. 2nd semester.
Metallurgy 163 - Ore Dressing Laboratory. 2.3 credits. 2nd semester.
Metallurgy 165 - Methods of Preparation and Treatment of Coals for Market, Following Mining. 3.0 credits. 2nd semester.

Replace by

Metallurgy 166a - Extractive Metallurgy. (3) I Emrath
Study of the principles and mechanisms applied to the practices of gravity concentration, flotation, and related processes, in the preparation of mine products for market, including discussion of the principles of plant design, with reference reading planned to keep the student informed of current technological development. Recitations and lectures, 3 hours a week for one semester, with assigned reference reading and problems. PREREQUISITES: Chem. 2b, Phys. 2a, Math. 20a, Met. 27.

Metallurgy 166b - Extractive Metallurgy. (3) II Emrath
Continuation of Met. 166a. 3 hours a week for one semester. PREREQUISITE: Met. 166a.

Metallurgy 167 - Extractive Metallurgy Plant Practice. (3) S Emrath
Three weeks summer course in the operation of plants studied in Met. 166a, 166b. Between junior and senior years. 44 hours a week.

The numbers and titles are new. The course content is practically the same with some expansion due to availability of new equipment. Metallurgy 167 is to be given in the summer preceding the senior year.

Move

From the Regular Session
Metallurgy 120 - Assaying. 2.0 credits. 1st semester senior.
Metallurgy 121 - Fuel and Met. Laboratory. 2.0 credits. 2nd semester junior.

To the Summer Session Preceding Junior Year
Metallurgy 120 - Assaying. (2) S
2 weeks, 44 hours a week.

Metallurgy 121 - Fuel and Met. Laboratory. (2) S
2 weeks, 44 hours a week.

The following recommendation from the Rules Committee was read to the Senate:

"A student may be eligible for a second bachelor's or a second master's degree when he has completed the requirements of the second curriculum. The total work for both degrees shall consist of not less than one year of residence and one year of credits beyond that of the first degree. With the approval of his Dean, the student may pursue the work in the two courses simultaneously, but two degrees will not be granted within the same calendar year."

After some discussion of the implications of this proposed rule, the Senate voted to refer it to the Rules Committee for further consideration.

Dean W. S. Taylor presented the following report from the Graduate School Faculty, offering nominations to the Senate for honorary degrees:

William James Hutchins - Born Brooklyn, New York, July 5, 1871; student Oberlin College, 1888-1890; B.A. Yale University, 1892. Student, Oberlin Theological Seminary, 1893-1895; graduated, Union Theological Seminary, 1896.

Ordained minister of Presbyterian Church, 1896.

Served as pastor of Bedford Church, Brooklyn, New York, 1896-1907.

Became professor of homiletics, Oberlin Graduate School of Theology, 1907-1920.

Became president of Berea College, 1920.

D.D., Oberlin College, 1920; D.D., Yale University, 1921; LL.D., Marietta College, 1925; LL.D., University of Chicago, 1929; L.H.D., University of Louisville, 1937.

Author: The Preacher's Inspirations and Ideals, 1917; The Religious Experience of Israel, 1919.

Stanley Forman Reed. Born Mason County, Kentucky, December 31, 1884.

A.B., Kentucky Wesleyan College, 1902; A.B., Yale University, 1906.

Recipient, Bennett Prize, Yale University.

Studied Law at University of Virginia and Columbia University. Student at Sorbonne, 1909-10.

Admitted to bar in Kentucky in 1910.

Served as Counsel, Burley Tobacco Growers Cooperative Association and General Counsel for Federal Farm Board.

Appointed General Counsel for Reconstruction Finance Corporation in 1932 and United States Solicitor General in 1935, and Associate Justice of the Supreme Court of the United States in 1938.

Member: Kentucky Legislature, 1912-16
Federal Board of Hospitalization
Kentucky Bar Association
American Bar Association

American Law Institute
Sons of Colonial Wars
S. A. R.
Delta Phi

Director, Commodity Credit Corporation
Trustee, Export-Import Bank of Washington, D. C.
Counsellor, American Red Cross
First Lieutenant, United States Army, 1918

Lena Madesin Phillips. Born Nicholasville, Kentucky.

Graduate, Jessamine Institute, Nicholasville, 1899; Student, Goucher College, 1899-1900, 1901-02.

LL.B., University of Kentucky, 1917; LL.M., New York University, 1923.

Teacher of music, organizer and director of music school, Nicholasville until 1916.

Admitted to Kentucky bar, 1917, and began practice in Nicholasville.

Secretary, National Board YWCA, New York City, 1918-19.

Organizer, 1919, National Federation of Business and Professional Women's Clubs
Executive Secretary, 1919-22.
President, 1926-29
Honorary president, present

Practicing law in New York City since 1924.

President, National Council of Women, 1931-35, now honorary president
Vice-president, National Kindergarten Association
Director, World Center for Women's Archives
Member, Board of Advisors, National Student Federation
Member, Women's advisory Board, New York World's Fair of 1939
Member, Advisory Board, American Home Department, New York State Federation of Women's Clubs
President, International Federation of Business and Professional Women
Associate editor, Pictorial Review until its discontinuance, January, 1939.
Cons. member, Consumer's Advisory Board under N.R.A.
Member, American Bar Association
Honorary president, New York League of Business and Professional Women
Women's Civic Organization member

Member: Southern Women's Educational Alliance (member executive board)
Kentucky Society
Women's Democratic Union
Women's Farm and Garden Association
Consumer's Coop. Association
Saturday's Children of New York City
New York Dixie
Chi Omega
Phi Delta Delta
Order of the Coif

The following recommendation from the College of Agriculture concerning the curriculum leading to the degree of Bachelor of Science in Agriculture was approved by the Senate:

1. At present all students in agriculture are required to take Education 16, Educational Psychology. This course is to be required only of students preparing to teach agriculture. Other students will take Psychology 1 or Psychology 2a and 2b. The new requirement then will be Education 16, or Psychology 2a and 2b.

2. Delete the following statement: Students entering as juniors take Agronomy 105 instead of Agronomy 11.

The new courses approved by the University Senate are described as follows:

Physical Education 55. Technique and Procedures of the Dance. Two hours of recitation and lecture, one hour of activity. Two credits. An analysis of techniques and teaching procedures of traditional dance steps and movements. A consideration of the relationship of musical and movement patterns. Projects to foster the development of the student's analytical and critical faculties pertaining to the dance. Not open to freshmen.

Physical Education 112. Programs and Materials of Physical Education for Girls and Women. Three hours recitation. Three credits. A consideration of the application and interpretation of physical education activities for girls and women. A consideration of selection of materials, organization of activities, and methods of teaching as applicable to women's education program.

Physical Education 115. History and Survey of the Dance. Three hours recitation. Three credits. A study of the history and development of the various dance forms, including ballet dances, free dances, folk dances, national dances, eastern dances, American Indian dances, and a study of modern tendencies, and relation of dancing to physical education.

Romance Languages 106a,b. Twentieth Century Spanish Literature. Beginning with the later works of the Generation of 1898, the novel, short story, drama, essay, poetry, criticism of the period. Lectures, recitations, readings, reports. To be offered in summer. Two credits each term. Prerequisites: three years of college Spanish or equivalent.

History 199. World Affairs from the Franco-Prussian War to the Munich Conference of 1938. A study of the principal international movements since 1871, with emphasis on personalities, events, and crises of world-wide significance. Lectures, readings and discussion. Summer 1939. To be given by Harry Elmer Barnes. Two credits.

Changes in Courses:

Art 64a,b. Intermediate Design. To be revised as follows: Designing objects of use. Consideration of materials and processes in designing for execution in textiles, ceramics, wood, metal, glass, pigments, etc., and the planning of ensembles employing these objects and materials. Individual problems. Nine studio hours per week. Prerequisites 61a and 62b or 30b.

Drop:

Physical Education 61a,b. Training for Leadership in Women's Athletics. Two credits each.

Change in Number. Sociology 21 to be changed to Sociology 121. Population Problems. Request made because of the request of graduate students and because of the limited number of courses open to graduate students in this department.

Leo M. Chamberlain
Secretary