

University of Montana

## ScholarWorks at University of Montana

---

University of Montana Faculty Senate Meeting  
Minutes

University of Montana Faculty Senate

---

5-17-1948

### Minutes from the May 17, 1948 meeting of the University of Montana faculty

Montana State University (Missoula, Mont.). Faculty

Follow this and additional works at: [https://scholarworks.umt.edu/facultysenate\\_minutes](https://scholarworks.umt.edu/facultysenate_minutes)

**Let us know how access to this document benefits you.**

---

#### Recommended Citation

Montana State University (Missoula, Mont.). Faculty, "Minutes from the May 17, 1948 meeting of the University of Montana faculty" (1948). *University of Montana Faculty Senate Meeting Minutes*. 1008. [https://scholarworks.umt.edu/facultysenate\\_minutes/1008](https://scholarworks.umt.edu/facultysenate_minutes/1008)

This Meeting Minutes is brought to you for free and open access by the University of Montana Faculty Senate at ScholarWorks at University of Montana. It has been accepted for inclusion in University of Montana Faculty Senate Meeting Minutes by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact [scholarworks@mso.umt.edu](mailto:scholarworks@mso.umt.edu).

- e. Dean Crowder read a letter from Chancellor Selke extending his appreciation for the invitation to the faculty dinner.
- f. Professor Morris submitted a financial report on the faculty dinner showing a slight balance which was given to the faculty courtesy fund.

4. Reports of Committees:

- a. Dr. W. P. Clark, Dean of the Graduate School, submitted the following as seconded motion from the Graduate Council: that a student be allowed to choose between a Master of Science and Master of Arts degree if the work he has completed entitles him to either one. The motion was carried.
- b. Dr. W. R. Ames, Chairman of the Committee on Admission and Graduation, reported that all candidates for degrees and certificates accepted at the meeting of the faculty held on March 10, 1948 have completed requirements for their respective degrees with the following exception.

1. For the degree of Bachelor of Arts in Business Administration.

Donna Jo Potter

5. Under the heading of new business, the faculty elected the following members to membership on committees:

- a. Dr. W. P. Clark as a member of the Service Committee. Mr. Toelle was reappointed by the President.
- b. Professor E. A. Atkinson was elected Chairman of the Budget and Policy Committee.
- c. Dr. Lucia B. Mirrielees was re-elected as a member of the Missoula County Educational Council.
- d. Dr. Edmund Freeman was re-elected as a member of the Appointments and Promotions Committee.
- e. The following were elected as members of the Budget and Policy Committee:

- (1) Dr. H. G. Merriam from the Arts group.
- (2) Dr. J. W. Howard from the Science group.
- (3) Dean Theodore H. Smith from the Schools group.

6. The meeting was adjourned.

*Emma Lommasson*

Emma Lommasson  
Acting Secretary

May 17, 1948

- 1. A meeting of the faculty was held at 4:10 P. M. on call of President James A. McCain who presided.

Present: Ames, Armstrong, Atkinson, Bates, E. E. Bennett, Browder, Bryant, Buck, Bue, Campbell, Carroll, W.P. Clark, Clow, Coad, Coldiron, Crow, Crowder, Dew, Dwyer, Ely, Ephron, Fenton, Ferguson, Fiedler, Fish, Fleming, Ford, Freeman, Gilkey, Gleason, Hall, Hamilton, Hatton, Hauge, Hetler, Hinze, Huck, Jeffers, Jeppesen, Jesse, Juday, Line, Lommasson, McGinnis, Maucker, Merriam, Merrill, Mirrielees, Moe, J. Moore, Ostrom, Oswald, Phillips, Platt, Sappenfield, Severy, Shallenberger, Shoemaker, Leo Smith, T. H. Smith, Stoodley, Struckman, Teel, Turner, Verneck, Weisel, Wendt, B. Wilson, V. Wilson, Wolfard, Wright, Yates.

Accounted for: Adams, Albright, Armsby, Arnold, Brody, Castle, Cole, Coleman, Conlin, Cullison, Dugan, Ely, Fisher, Frost, Golden, Hulbert, Lory, Lovless, Myers, Morris, Murray, Ramskill, Ratliff, Shattuck, Shepherd, Major Shoemaker, B. E. Thomas, Waters.

2. The minutes of the meeting held April 16, 1948 were approved.
3. Announcements:
  - a. President McCain reported on the meeting of the National Association of State Universities.
4. Reports of Committees:
  - a. Dr. W. R. Ames, Chairman, reported on the Retirement Committee.
  - b. The Candidates for Degrees and Certificates (list No. 36) June 7, 1948, were submitted to the faculty by Dr. Ames, Chairman of the Committee on Admission and Graduation, and by Dr. W. P. Clark, Dean of the Graduate School, subject to the provisions that all requirements for the prospective degrees and certificates be completed in accordance with faculty rules. The candidates were unanimously approved by the faculty as follows:

CANDIDATES FOR DEGREES AND CERTIFICATES

List No. 36  
at close of Spring Quarter, June 7, 1948  
 submitted to Faculty, May 17, 1948 sub-  
 ject to provision that all requirements  
 for the respective degrees and certificates  
 be completed in accordance with faculty rules.

RECOMMENDED BY COMMITTEE ON ADMISSION AND GRADUATION, AMES CHAIRMAN

<u>I. For the degree of Bachelor of Arts:</u>	<u>Credits in</u> <u>Major Subject</u>	<u>Total</u> <u>Credits</u>
<u>Bacteriology</u>		
E. Eugene Annas	42.5	244
Patricia Ann Dehnert	41	194
Helen Peabody Gillespie	43	183
Lois B. Hazelbaker	49	185
Juan A. Hernandez-Dapena	45.5	184
Carole S. McConnell	43	222
Margaret Crossen Ottman	53	183
Constance E. Rachac	53	190
George E. Thompson	42	198
<u>Biology</u>		
Philip C. Foley (also major in Educ)	47	189
Mary Jane Lindstrom (Also Major in Educ)	51	186
Joan K. McCauley	49	195
<u>Chemistry</u>		
Donald E. Helterline (Also Major in Math)	64	180
Cassius R. McEwen	61	96
<u>Economics and Sociology</u>		
Charles F. Nemeo	62	209
<u>English</u>		
Ruth E. Anderson	59	186
Joan Marie Carroll	91	192
Vincent L. Gadbow	30.5	210
Robert S. Hodgman	77	199
Margaret E. Mansfield	71	192
Richard L. Merritt	55	189.5
Helen M. Packer	64	188
Lawrence F. Rooney	68	187
Jo Ann E. Ryan	84.5	189.5
Alfred Simon	59.5	180
Mildred J. Stanfield	69	188
<u>Fine Arts</u>		
Virginia B. Dusenbury	54	190
Adele Kraabel Norris	43.5	186

<u>French</u>		
Mary Margaret Farrington	35	202
Owen A. Wollam	46	189
<u>Geology</u>		
William J. McMannis	43	221.5
Edward T. Ruppel	43	188.5
<u>Health and Physical Education</u>		
Russell D. Giesy	55	208
Dorothy M. Irwin	54	186
Albert L. Likarich	50	217
Jacqueline Means	61	228
Pierre J. Roberts	57	193.5
Donnamae Winters	58	188
<u>History and Political Science</u>		
Thomas G. Burdick	53	202
Arthur W. Clowes	60	194
Richard B. Collinson	64	182
Tobias Hartwick	48	200
Dorothy S. Kerr	50	188
Joseph McCracken	56	241
William Mortson, Jr.	73	218.5
Roy Ostenson	56.5	182
John Rolfson	64	197
Robert Schottelkorb	55	216
Earl F. Stickney	64	191
Max Sugg	63	188
Mary E. Wall (Also major in Spanish)	67	203
Daniel Yovetich	58	191
<u>Home Economics</u>		
Violet DeGolier	64	183
Betty Jean Henry	65	187
Shirley Johnson	52	206
Anna Lou Kern	63	186
Fidele McCourt	60.5	194
Mary V. Maclay	66	187
Patricia Park	62	182
Maida A. Ruetten	68	196
<u>Law</u>		
Robert C. Balsam	127	320
Francis Campbell, Jr.	126	232
Daniel H. Sweeney	129	261.5
Donald R. Wolf	129	262
<u>Mathematics</u>		
Anna Harwick	55	192
Kathleen O. Tuma	45	200.5
<u>Physics</u>		
Laurie McCarthy	44	195
<u>Pre-Medical Sciences</u>		
Barbara Jean Campbell	93	196
<u>Psychology and Philosophy</u>		
Ann H. Bingham	62	186.5
Marie A. Fraser	50	190
John C. Heinrich	47	183
Harold J. Olafson	58	180
Beverly Shone	58	182
Dewey A. Slough	63.5	187

Sociology

Mouriel Bottomly		
Jacqueline Fagrelus	69	193
Margaret Hanley	65	191
Bette Hillstrand	62	186
Margaret Hoffman (Also Major in Psych & Phil)	60	187
Laura L. Johnson	66	190
Vivian Knudson	62	184
Lois Jane Larson	65	192
Patricia Marrs	58	199
Elaine Mitchell	61	187
Marie A. Niemi	66	187
Francis Theresa Quilico	61	184
Jean Richards	58	191
Alfred C. Ronstrom	53	187
Dale B. Ryan	52	181.5
Jo Teela	53	184
Wilma Trzcinski	51	183
Mary Louise Wallace	56	188
Pauline Wischmann	61	186
	56	196

For the degree of Bachelor of Arts in Business Administration:

Gloria Allen	68	186
Virgil R. Antonich	76	217
Marian M. Bakke	75	194
John G. Barrow	62	194
Harold B. Bauer	62.5	191.5
Henry Bertoglio	73.5	191
Hugh Martin Campbell	65.5	191.5
Hugh Patrick Campbell	65	191
Frederick W. Cantamessa	84.5	182
Albert C. Clark	90	185
Francis K. Clawson	86	188
J. Holliday Cromwell	65.5	187
William S. Davis	57	180
Bernice Dolven	70	187
Thomas P. Durkan	56	197
Morlan C. Flattum	75	190
Constance M. Gordon	61	188
Stanley Grainger	92	192.5
Rhoda F. Harrington	59	197
William W. Horne	86	182
Nin M. Johnson	61	191
Mary Agnes Kelly	53	186
Helen Gunkel Kriebs	80	187
Allen L. Lewis	63	215.5
Don S. Lowry	53	213
Helen M. McDonald	65	186
Tom McGiffin	80	185.5
Frederick D. Mitchell	78	185
Bruce A. Moon	81	180.5
Wilma J. Oksendahl	69	201
Leona M. Orth	73	189.5
Betty L. Parker (Also major in Hist & Pol Sci)	64	193
Gretchen Peterson	76	189
John L. Piquette	60	187.5
Donna Jo Potter	81	191
Riley D. Robinson	84	189
Raymond Ryan	42	252
Betty Jo Staves	77	186
James R. Stephenson	81	190
Virginia A. Swanson	75	190
Betty Jean Terry	53	194
Wesley A. Wendland	52	219
Gordon W. Wolfram	86	190

Spanish

Forbes Bottomly	46	195.5
Patty Cornitius	29	131
Lola Falkenhain (Also Major In Hist & Pol Sci)	48	193
Mary Faith Koenig (Also Major In Hist & Pol Sci)	42	205
Mary Belle Lockhart	44	191
Shirley K. Standiford	40	189

III. For the degree of Bachelor of Arts in Education:

Stuart E. Fitschen	45	180
Barbara Grunert	46	192
Thomas D. Hudson	40	188
Dale F. McFarlane	41	200
James Ray Myers	41.5	199.5
Dolphy Pohlman	40	222
Louis M. Schnebly	46	197
William G. Stoner	44	200
Jack P. Sweeney	40	187.5
David W. Thorn	45	184
Ben Wilson Tyvand	40	198
Robert P. Whalen	40	249
Janet Williams	42	186.5

IV. For the degree of Bachelor of Science in Forestry:

Norman Allison	95.5	218
Lowell Asher	105	239
Ernest B. Corrick	85	280
Robert W. Davidson	101.5	242
Charles Ferguson, Jr.	85	222
Frederick B. Haller	100	209
Ralph R. Hayes	96	231
Charles D. Leaphart	101	253.5
Ralph T. McAvoy	131	246
Colleen McCarthy	96	220
Richard J. McElfresh	114	238.5
William Mlynec	98	276.5
Robert K. Molloy	92	240.5
Robert S. Morgan	95	232
Neal Nelson	54.5	246
Donald E. Rodgers	122	240
John N. Russiff	100	216
Joe I. Saltsman	93	197.5
Donald Schofield	102	194.5
John C. Stover	90	199
Morton Wood	67	226.5
George T. Zeigler	97	254.5

V. For the degree of Bachelor of Arts in Journalism:

William A. Barbour	63	184
Marian F. Barry	81	193.5
Jean M. Bartley	81	186
Judy Beeler	77	186
Byron E. Bottomly	73	191
Shirley S. Brown	73	182
John F. Brunett	70	181
Molly Catherine Burke	64	185.5
Alcyon M. Carlson	72	186
Ralph E. Evans	85	183
Roy E. June	73	188.5
Alyne M. Kidd	67	186
Joan M. Kuka	62	187
Frank L. Kurtz	62	211.5
David Larsen	68	219
Joy Wade McElroy	69	187.5
Dorothy McKenzie	69	190
Judson N. Moore	67	190
Ellen A. Mouat	83	192
Gordon E. Nelson	52	199.5
Dawson Oppenheimer	84	188
Victor Reinemer	71	180.5
Ronald J. Rice	59	276
Jean N. Roberts	72	195
Lois Ann Woods	70	191

VI. For the degree of Bachelor of Music:

Mariann E. Alexander	108	190
Vernon Alf	108	183
George E. Bowring, Jr.	122	213
Miriam Evans	112	186
Wilbur E. Funk	113	183
Ralph Hartse	103	185
Lois Ibsen	133	200
E. Bruce Johnson	114	207.5
Mary Jeanne Lewis	100	202
James O. McGray	105	206
Carolyn Marie Nygren	112	192
Anita B. Sagen	.89	186
Jo Ann Tripp	123	187
Vivian V. Vick	110	189

VII. For the degree of Bachelor of Science in Pharmacy:

Myhron E. W. Carlen	123	215
David H. Chapple	101	309
Betty J. Durham	106	136
Betty J. Hyde	96	205
Charles D. McNicol	96	217.5
Margaret M. Mondt	110	197
Bess M. Mulligan	114	198
Frank F. Orlando	105	200
Lois M. Rudeen	110	193

VIII. For the degree of Bachelor of Science in Wildlife Technology:

Lawrence E. Brown	83	219
Frederick L. Hartkorn	87	193
Kenneth E. Riersgard	89	187
Gerald J. Salinas	92	194

IX. For the degree of Bachelor of Laws:

Erwin L. Anzjon	130	130
Robert C. Balsam	127	127
William H. Bellingham	126	126
Francis B. Campbell, Jr.	126	126
Terry J. Coghlan	133	133
David Ellison	126	126
James B. McDonough	126	126
Raymond Ryan	128	128
Daniel H. Sweeney	129	129
Michael J. Traynor	127	127
Donald R. Wolf	129	129

X. For the Secondary State Certificate to Teach:

<u>Name</u>	<u>Major</u>	<u>MINORS</u>
Mariann Alexander	Music	Health & Physical Education
Vernon F. Alf	Music	English
Ruth E. Anderson	English	Spanish
Arthur W. Clowes	History & Pol Science	Spanish
Virginia Dusenbury	Fine Arts	Biological Sciences
Lola Falkenhain	History & Political Science	Spanish
Mary Farrington	French	Spanish
Stuart Fitschen	History U Pol Science	Economics & Sociology
Philip Foley	Biological Sciences	History & Pol Science
Russell Giesy	Health & Phys Education	Biological Sciences
Constance Gordon	Business Administration	Spanish
Ralph Hartse	Music	History & Pol Science
Anna Harwick	Mathematics	Spanish
Thomas Hudson	History & Pol Science	English
Dorothy Irwin	Health & Phys Education	Spanish
Ormonde I. Jackson	Physical Sciences	Mathematics

Mary Faith Koenig	Spanish	History & Pol Science
Mary Lewis	Music	English
Albert Likarich	Health & Phys Education	Hist & Pol Science
Mary Jane Lindstrom	Biological Sciences	Spanish
Mary Lockhart	Spanish	English
Laurie McCarthy	Physical Sciences	History & Pol Science
Dale McFarlane	Biological Sciences	Mathematics
James McGray	Music	English
Margaret Mansfield	English	Mathematics
Charles Nemec	Economics and Sociology	Classical Languages
Carolyn Nygren	Music	History & Pol Science
Wilma Oksendahl	Business Administration	Spanish
Helen Mae Packer	English	Spanish
Dolphy Pohlman	History & Pol Science	Spanish
Donna Jo Potter	Business Administration	Mathematics
Maida Ruetten	Home Economics	English
Anita Sagen	Music	Physical Sciences
Louis Schnebly	History & Pol Science	Spanish
Shirley Standiford	Spanish	English
Mildred Stanfield	English	English
Earl F. Stickney	History & Pol Science	French
William Stoner		Spanish
Jack P. Sweeney	Health & Phys Education	Economics & Sociology
David W. Thorn		History & Pol Science
		Biological Sciences
		History & Pol Science
		Physical Sciences
		Mathematics
		English
Jo Ann Tripp	Music	Mathematics
Ben W. Tyvand	Health & Phys Education	History & Pol Science
Vivian Vick	Music	Spanish
Mary Wall	Spanish	Classical Languages
	History & Pol Science	
Robert Whalen	Health & Phys Education	History & Pol Science
Owen Wollam	French	Spanish

Recommended for graduation with honors since they were certified by the Registrar as having a "B" average at the beginning of the last quarter of residence and were recommended by the chairmen of their major departments.

<u>Name</u>	<u>Major Department</u>	<u>Grade received in honors examination</u>	<u>Scholarship index Winter, 19</u>
Jean Marie Bartley	Journalism	B	2.39
William Bellingham	Law	A	
Ann H. Bingham	Psychology		2.13
John F. Brunett	Journalism	B	2.04
Molly Catherine Burke	Journalism	B	2.78
Ralph E. Evans	Journalism	B	2.01
Mary M. Farrington	French		2.21
Vincent Gadbow	English	A-	2.12
Stanley Grainger	Business Administration		2.08
Ralph Hartse	Music	B	2.15
Anna M. Harwick	Mathematics		2.28
Ralph R. Hayes	Forestry	B	2.07
William W. Horne	Business Administration		2.24
Lois Ibsen	Music	B	2.89
Laura L. Johnson	Sociology	B	2.05
Mary Faith Koenig	History & Pol Science		2.11
Joan Mary Kuka	Journalism	B	2.45
Charles Leaphart	Forestry	B	2.37
Mary Lewis	Music	A	2.41
Mary Lockhart	Spanish		2.44
Don Lowry	Business Administration		2.32
Joseph McCracken	History & Pol Science		2.72
William Mortson	History & Pol Science		2.05
Gordon E. Nelson	Journalism	B	2.32
Lawrence F. Rooney	English	B	2.61
Donald J. Schofield	Forestry	B	2.05



Alfred Simon	English	B-	2.48
Dewey Slough	Psychology		2.04
Jo Ann Tripp	Music	A	2.49
Mary E. Wall	History & Political Science		2.9
	Spanish		

RECOMMENDED BY GRADUATE COUNCIL, CLARK, DEAN

I. For the degree of Master of Arts: Total Credits

CLASSICAL LANGUAGES

Della Ve Carr 64½  
 B.A., Montana State University, 1938.  
 Thesis: The Application of Some Modern Psychological Theories to the Writings of Tacitus

EDUCATION

Antrim E. Barnes, Jr. 55½  
 B. E., Montana State Normal College, Dillon, 1935  
 Thesis: Educational Offerings in Montana High Schools 1939-40 and 1945-47

ENGLISH

Virginia E. Perkins 46  
 B.A., Montana State University, 1944.  
 Thesis: Hart Crane's Imagery: A Study of his Symbolism in WHITE BUILDINGS and THE BRIDGE

Ruth W. Robinson 45  
 A.B., Vassar College, 1936  
 Thesis: The Montana Novel Before 1914

Arthur Marshall Sanderson 45  
 B.A., Montana State University, 1943  
 Thesis: Sherwood Anderson's Philosophy of Life as Shown by the Action of Characters in his Novels

HEALTH AND PHYSICAL EDUCATION

Alex M. McLain \*42 1/3  
 B.S., Jamestown College, Jamestown, North Dakota, 1933.  
 Thesis: A Posture Correction Program for High School Boys

HISTORY AND POLITICAL SCIENCE

Flora Mae Bellefleur Isch 45  
 B.A., Montana State University, 1946.  
 Thesis: The Development of the Upper Flathead and Kootenai Country

Carle Francis O'Neil 48  
 B.A., Carleton College, 1943  
 Thesis: Budget Preparation and Expenditure Control in the State Financial System of Montana

PSYCHOLOGY AND PHILOSOPHY

Richard A. Lake \*30  
 B. A., Montana State University, 1934.  
 Thesis: Development and Validation of an Inventory Test for Diagnosis and Classification of Personality

SOCIOLOGY

Estelle Virginia Foss 43  
 B.A., University of Washington, 1944  
 Thesis: Montana's Juvenile Delinquency Program as Defined by Statute

## ZOOLOGY

L. Richard Mewaldt 72  
 B. A., University of Iowa, 1939.  
 Thesis: The Clark's Nutcracker (Nucifraga columbiana WILSON)  
in Western Montana

II. For the degree of Master of Science:

## PHYSICS

Arthur T. Tuma 47  
 B.A., Dickinson State Teachers College, North Dakota, 1936.  
 Thesis: Excitation of Extreme Ultraviolet Spectra by Means of  
Controlled Electron Impact

III. For the degree of Master of Arts in Business Administration:

Frederick A. Henningsen 50  
 B.A., Montana State University, 1946.  
 Thesis: An Analysis of the Accounts of the City of Missoula and  
Recommendations Based on Modern Municipal Accounting  
Practice

IV. For the degree of Master of Forestry:

Kenneth N. Boe 45  
 B.S.F., Montana State University, 1946.  
 Thesis: Is Douglas Fir Replacing Ponderosa Pine in the Cut-over  
Stands in Western Montana?

V. For the degree of Master of Science in Forestry:

Robert I. Casebeer 46  
 B.S.F., Montana State University, 1947.  
 Thesis: Food Habits of Rocky Mountain Goats (Oreamnos  
Americana Missoulae) in Western Montana

J. Robert Jansson \*30  
 B.S.F., Montana State University, 1938.  
 Thesis: A Description of the Old Growth Douglas Fir Stands  
in the Big Belt Mountains

Jack E. Schmutz 45  
 B.S.F., Montana State University, 1947.  
 Thesis: A Study of Montana Shelterbelts

Thomas A. Walbridge, Jr. 45  
 B.S.F., University of Washington, 1942.  
 Thesis: A Survey of the Christmas Tree Industry in Western Montana

c. Dr. Jesse, Chairman, submitted the report of the Curriculum Committee on catalog changes for the 1948-49 catalog. The report was unanimously approved by the faculty.

CATALOG FOR 1947-48 WITH ANNOUNCEMENTS FOR 1948-49

Summary of Proposed Changes  
 by  
 DIVISIONS, DEPARTMENTS, AND SCHOOLS

P.34 Last Footnote changed to read:

These 2 credits may be in applied or ensemble music, or in applied acting and stagecraft, or in current events ..... (Current Events Added).

P. 35 Under Veteran Registration delete the first paragraph.

- 49 Insert the following scholarship:

The Ravalli County Federation of Women's Clubs Music Scholarship of \$75 covering music tuition for one year will be awarded to a new student by the Music School Foundation on the basis of musical talent, and performance, scholastic record, personality, character, and versatility. Special consideration is given applications from Ravalli County. Written applications should be sent to the Dean of the School of Music not later than July 1.

- 57 To course 100 add statement, "Does not satisfy requirements for degrees in Botany or Zoology or the restricted elective requirement in science."

BACTERIOLOGY AND HYGIENE

- 58 New course: 103. Parasitology. 1Q. Winter. 5 cr. Prerequisite, Zoology 14ab and junior standing. An introduction to parasitology. (Was formerly Zoology 103.)

BOTANY

- 59 Under Major Requirements

Add Field Zoology (Zool 15) to courses which must be completed. Add General Systematic Botany (Sl60), Fresh Water Algae (Sl74), Aquatic Flowering Plants (Sl63), Agrostology (Sl64), Bryophytes (Sl76), Special Problems in Botany (Sl99) to courses which may be elected.

New Course: Sl60. General Systematic Botany. 1 Q. Summer. 6 cr. Given at Biological Station. Prerequisite, junior standing and Botany 11ab and 12 or equivalent.

New Course: Sl63. Aquatic Flowering Plants. 1 Q. Summer. 3 cr. Given at Biological Station. Prerequisite, Botany 160 or 161ab.

New Course: Sl64. Agrostology. 1 Q. Summer. 3 cr. Given at Biological Station. Prerequisite, Botany 160. Students who have received credit in 161a may not take this course for credit.

New Course: Sl74. Fresh Water Algae. 1 Q. Summer. 3 cr. Given at Biological Station. Prerequisite, junior standing and Botany 11ab and 12.

New Course: Sl76. Bryophytes. 1 Q. Summer. 3 cr. Given at Biological Station. Prerequisite, junior standing and Botany 11ab and 12.

New Course: Sl99. Special Problems in Botany. 1 Q. Summer. Credit variable. Given at Biological Station. Course may be repeated not to exceed a maximum of 12 credits. Prerequisite at least 20 credits in Botany, junior standing and consent of instructor.

BUSINESS ADMINISTRATION

- 61 Requirements for Graduation

Insert new paragraph:

The following courses in the College of Arts and Sciences in addition to the general university requirements:

\*Introductory Business Mathematics (Math 18) 5 cr.; Elementary Mathematics of Investments (Math 19) 5 cr.; Statistics (Math 25) 5 cr.; Principles of Economics (Econ 14ab) 8 cr.; Principles of Speech (Eng 20) 5 cr.; General Psychology (Psych 11) 5 cr.; History and Political Science, 8 cr.--Recommended courses are: American Government and Politics (17), State and Local Government, (18), Principles of Public Administration (116ab), Government Regulation of Business (136).

\*Math 18 will be waived for students who present 1½ entrance units of Algebra or who have completed Math 10.

Insert Note:

Students taking the Secretarial Science curriculum or planning to prepare for Commercial Teaching will not be required to take English 20 and Political Science 17, 18.

To the required courses in the School of Business (Paragraph 2) add Business Statistics (Bus Ad 185). Also add footnote:

"Students transferring to Montana State University School of Business Administration after having completed two years either in another school in the University or in another college or university, will not be required to take Introduction to Business, Bus Ad 10."

"Students taking the Secretarial Science curriculum will not be required to take Business Statistics (Bus Ad 185)."

P. 62 Under Cooperating Departments and Schools add:

Department of Economics. A student who offers for a degree all of the courses listed in any one of the curricula printed on pages \_\_\_ may count toward the remaining 75 hours required in Business Administration any course listed in the Department of Economics.

Department of History and Political Science. Economic History of the United States (125) and Economic History of Western Europe (126) can be counted toward the 75 credit hours required in the School of Business Administration.

Department of Home Economics. Students in Business Administration who wish to enter the department store field as buyer or educational director may find it to their advantage to include courses in Home Economics. Credit in Business Administration will be given for Introduction to Home Economics (17c), Clothing Design (18), and Textiles (82). Students should also consider taking Problems in Home Equipment (80), House Planning and Furnishing (119), and Problems of the Consumer (131).

School of Law. Last part of the paragraph was changed to read as follows: Under this program the degree of Bachelor of Arts in Business Administration will be granted upon the completion of: All restricted elective requirements except the foreign language; the required courses for Business Administration (except Business Law 41abc) for a total of 30 credit hours; and 18 credit hours in elective courses in Business Administration and Economics. Twenty seven hours of Law (Contracts, 9 credit hours; Property, 9 credit hours; and Torts, 9 credits hours) given in the freshmen year of the Law School will be accepted toward the 75 credit hours required work in Business Administration and economics for the Bachelor of Arts degree in Business Administration, to be granted upon completion of these requirements and fulfillment of all University requirements for graduation.

After the paragraphs on Cooperating Schools the following paragraphs are inserted:

GRADUATE DEGREES

The School of Business Administration offers through the Graduate School, the degree of Master of Arts in Business Administration. Candidacy for this degree is conditioned upon the holding of a degree or Bachelor of Arts in Business Administration from this institution or from another institution of approved standing where the work required in Business Administration is of substantially the same nature and volume. Graduates with a bachelor's degree who did not specialize in Business Administration may pursue graduate work upon the completion of the required undergraduate courses. Only courses numbered 100 or above, exclusive of the required courses for the bachelor's degree, may be included in the work toward the Master's degree.

A candidate for the degree of Master of Arts in Business Administration must meet the requirements as set forth by the Graduate School on pages \_\_\_.

- 67 145. Income Tax. Prerequisite changed from Bus Ad 113ab and 41 to Bus Ad 11b and junior standing.
- 146ab. Accounting Systems. 2 Q. Autumn. Winter. Credits changed from 4 to 3 and a new course Municipal Accounting 147 is being added for the 2 credits.
- 68 New course: 147. Municipal Accounting. 1 Q. Winter. 2 cr. Prerequisite, Bus Ad 11ab and junior standing. A study of accounting principles and problems as applied to state and local governments, and other public institutions.

New Course: 195. Advanced Cost Accounting. 1 Q. Any quarter. 3 cr. Prerequisite, graduate standing or permission of instructor and Bus Ad 114. An advanced study in process costs; by-product and joint-product costs; and standard costs with particular emphasis on the latter. Budgets and distribution costs; preparation of cost reports for executives as a tool of managerial control. This course is to be offered only when sufficient demand exists. Mr. De Maris.

New Course: 202. Contemporary Accounting. 1 Q. Any quarter. 3 cr. prerequisite, graduate standing. An advanced study in the current development of basic accounting concepts; government relations with business as they effect accountants. To be offered only when sufficient demand exists. Mr. Emblen.

New Course: 124. Life, Accident and Health Insurance. 1 Q. Autumn. 3 cr. Prerequisite, junior standing and Econ 14. A study of the types of social insurance, forms and kinds of policies, rate making, method of settlement, reserves and surplus, government regulation. Mr. Folkerts. (Was formerly Insurance 124 and 5 credits.)

New course: 125. Property Insurance. 1 Q. Winter. 3 cr. Prerequisite, junior standing and Econ 14. Fire, burglary, automobile, fiduciary insurance, kinds of policies, rate making, reserves, and relation between the state and insurance company. Mr. Folkerts.

131. Real Estate Quarter changed from autumn to spring and credits changed from 2 to 4.

New course: 136. Security and Commodity Markets. 1 Q. Winter. 4 cr. prerequisite, Bus Ad 134 and junior standing. The operation of the New York Stock Exchange and the Chicago Board of Trade; their relation to other markets in other countries. Mr. Folkerts.

New Course: 137. Business Forecasting and Planning. 1 Q. Spring. 3 cr. prerequisite, Business Cycles, 156. Further study of business fluctuations; various business barometers and statistical measures applied to the estimation of economic activity; provides a basis for planning by the individual firm. Mr. Folkerts.

69 10. Introduction to Business. Add, open only to freshmen and sophomores.

181. Personnel Management. Quarter changed to Spring. Prerequisite changed from junior standing to senior standing.

New Course: 185. Business Statistics. 1 Q. Every quarter. 5 cr. Prerequisite, Math 25 and Econ 14ab. Methods of collecting, evaluation, interpreting, analyzing, and presenting business and economic data. Sources of data, construction of index numbers, time series, and correlation analyses.

152. Foreign Trade. Quarter changed from Winter to Spring. Add "Prerequisite of Bus Ad 151 waived for seniors majoring in political science."

153. Market Research and Market Analysis. Credit changed from 4 to 3.

157. Salesmanship. Add summer to quarter offered and change description to read, "Study of sales fundamentals, sales technique and strategy. Practice is given in personal selling."

P. 70 160. Retail Store Management. Quarter changed from winter to spring and prerequisite changed to Bus Ad 159, Retail Stores.

New course: 194. Price and Price Policy. 1 Q. Spring. 4 cr. Prerequisite Econ 14ab and junior standing. Study of actual pricing by individual firms and areas of industry.

20abc. Beginning Typewriting. Credits changed from 1 to 2. Prerequisite for 20a, none; for 20b, 20a or 15 words a minute in a 5 minute test; for 20c, 20b or 25 words a minute.

New Course: 21. Advanced Typewriting. 1 Q. Autumn. Winter. Spring. 2 cr. Prerequisite, 20c or a minimum typing speed of 35 net words a minute. Letter forms, speed and accuracy drills, corrective work, business reports, rough draft, tabulation.

Delete course 21abc in present catalog.

22abc. Stenography. Credits changed from 4 to 5.

23ab. Advanced Stenography. Credits changed from 4 to 5. Quarters offered changed to Autumn and Winter.

New Course: 24ab. Advanced Shorthand Transcription. 2 Q. Autumn. Winter. 1 cr. each quarter. Prerequisite, minimum typing speed of 45 net words a minute or 21, Advanced Typing. Transcription at approximately two-thirds of the straight copy typing speed or about 35 words a minute with a mailable letter standard. Required of 23ab Advanced Stenography Students.

25. Office Machines Practice: Calculators, Adding and Accounting. Was course 25a, Office Machines Practice. Title and number changed.

26. Beginning Secretarial Practice. Was course 25b, Office Machines Practice. Title and number changed. Add statement: "Students who have had 25b may not receive credit for this course."

100. Secretarial Practice. Credit changed from 4 to 5. Prerequisite, changed to senior standing or consent of instructor and courses 23a, 21, 24ab, 25 and 26. Description of course: lecture and laboratory. A review, additional skill building, and integration of office machines, dictation, transcription, and secretarial practice. A preparation for State Merit, Junior and Senior Civil Service, and United Business Entrance tests. Requirements in the course are: 150 words a minute reading rate, 100 words dictation, and 35 words a minute transcription from shorthand notes.

#### CHEMISTRY

p. 71 Major Requirements:  
Delete Chem 109, 110.

13. Inorganic Chemistry and Qualitative Analysis changed to 13ab. Inorganic Chemistry. Changed from 3 Q. to 2 Q. Delete Spring from quarters offered. Credits changed from 15 to 10. Add "and passage of a placement examination" to the prerequisite. Delete "theory and methods of inorganic qualitative analysis." 13c is no longer required if 13ab is completed. 13ab are still continuous. 13c is set up as a separate course called Qualitative Analysis.

New course: 40. Elementary Physical Chemistry. 1 Q. Spring. 5 cr. Prerequisites, Chem 17, 101; 15 credits of College Physics. Those portions of physical chemistry which are of special interest to prospective students of medicine. Mr. Jesse or Mr. Lory.

#### CLASSICAL LANGUAGES

P. 72 At the end of the paragraph on General Information add: Students who begin their work in Latin at Montana State University may substitute Greek 11ab for Latin 13b to satisfy the foreign language requirement.

ECONOMICS

New course: 120. Comparative Economic Systems. 1 Q. Spring. 4 cr.  
Prerequisite, junior standing and course 14. A comparative study of  
the leading economic systems of the world. Mr. Wolfard. (this  
course replaces Econ 18, Comparative Economic Systems.)

Delete 124. Sociology of Professions.

New Course: 161. World Economic Organizations. 1 Q. Spring. 3 cr.  
Prerequisite, junior standing and course 14, or consent of instructor.  
Origin, organization, functions, problems, and future of international  
economic organizations. Mr. Ely.

EDUCATION

78 Requirements for Admission:

Delete "Pre-education students should follow the curriculum of the  
Division of Social Sciences" and add "Pre-education students should  
consult with the School of Education before setting up their under-  
graduate programs."

80 Add in parenthesis "May not be counted among the 24 credits required  
for Secondary Certificate" following (Psych 11) for freshmen or  
sophomore year.

81 25a. Educational Psychology. Winter added to quarters offered Add  
"It is recommended that 25b precede 25a."

25b. Principles of Secondary Education. Add spring and summer to quarters  
offered. Add "sophomores may enroll in their third quarter."

25c. Secondary School Teaching Procedures. Add Autumn to quarters offered.  
Prerequisite changed to junior standing and Education 25ab.

S110. Driver Education and Training. changed to S110. Safety Education  
and Driver Training. Credits changed from 2 to 3.

Delete 611. Aviation Education.

Delete 130. Fundamentals of School Health.

145. Use of Audio-Visual Instructional Aids. Number changed from S145.  
Autumn added quarters offered.

New Course: 146. Counseling for Classroom Teachers. 1 Q. Autumn. Summer.  
4 cr. Prerequisite, Education 140 or equivalent, and consent of  
instructor. Course designed for teachers or student teachers planning  
to do work in the field of counseling and guidance on the secondary  
level. Actual administration and interpretation of tests as well as  
their use in counseling students. Laboratory work in counseling in  
the classrooms of local schools. Mr. Frost.

New Course: S149. Workshop in Business Education. 1 Q. Summer only.  
4 cr. Prerequisite, a major or minor in Business Administration, teach-  
ing experience in business subjects, consent of instructor. Study of  
methods and materials in basic business subjects, including consumer  
education, general business, business law, commercial geography, book-  
keeping, typewriting, transcription and secretarial practice. Mr.  
Finch. Mr. Wanous. Mrs. Wilson and other.

150. Educational Administration. Offered spring and summer instead of  
winter and summer. Prerequisite changed from "7 credits in Education" to  
"26a, or concurrent registration in 26a, and consent of instructor."  
Add "Registration restricted to education majors, teachers with extensive  
experience, and administrators."

152. Educational Measurements. Prerequisite changed from "Education 19 or 25a" to "junior standing, Education 25a or equivalent, consent of instructor."

156. School Finance. Delete spring from quarters offered. Prerequisite, changed from "senior standing or 12 credits in Education and experience as a principal or superintendent" to "senior standing and Education 150, or extensive administrative experience, consent of instructor."

158. Educational Sociology. Prerequisite changed from "junior standing and 6 credits in Education" to "junior standing and Education 25b."

S159. Problems of the Junior High School. 1 Q. Summer only. 3 cr. Prerequisite, senior standing and Education 25c. Objectives of the junior high school organization, class scheduling, curriculum, extra-curricular activities, etc. Mr. Buck.

This course is being reinstated. Prerequisite is changed from junior standing, 15 credits in education, and teaching experience.

P. 83 168. Techniques of Counseling. Add "consent of instructor" to the prerequisite.

New course: S169. Workshop in Testing and Guidance. 1 Q. Summer only. 4 cr. Prerequisite, junior standing, teaching experience, Education 140 or equivalent, and consent of instructor. Concurrent registration in 140 will be accepted in exceptional instances. Overview of the testing, guidance, and counseling field for the teacher-counselor, expecting to do testing and guidance in a high school. Course will be pointed toward the state-wide testing and guidance program recently set up in Montana. Mr. Smith. Mr. Dugan. Miss Whitney. Mr. Cheney. Mr. Brody. Mr. Frost.

New course: S171 Elementary Curriculum. 1 Q. Summer only. 4 cr. Prerequisite, senior standing and teaching experience. Survey of elementary school curriculum; major trends in course content, grade placement, organization of materials and evaluation of outcomes. Miss Whitney.

New Course: 177. Secondary Curriculum. 1 Q. Spring. Summer. 4 cr. Prerequisite, Education 26a or concurrent registration. Survey of secondary school curriculum; organization of materials; administration, evaluation, and trends in curriculum development. Mr. Fleming.

183. Home and Family Life Education. Title has been changed to Advanced Problems in Home Economics and is now a Special Methods Course. Number remains the same.

185. Advanced Educational Psychology. Has been changed to 265 and is now a graduate course only.

New course: S223. Problems in Supervision of Home Economics Teaching. 1 Q. Summer only. 3 cr. Prerequisite, graduate standing and consent of instructor. Designed primarily for teachers who are supervising the work of cadet teachers in home economics. Miss Moe.

New course: S245. Principles and Problems of Business Education. 1 Q. Summer only. 3 cr. Prerequisite, graduate standing, a major or minor in business or teaching experience in business subjects. A study of the curriculum, basic principles, practices, problems and trends in business education. Miss Crow.

Delete 270. Problems in Educational Psychology.

Delete 280. Seminar in Administrative Problems.

P. 84 285. Educational Research and Thesis Writing. Offered in autumn and summer instead of winter and summer.

Insert: Independent Work. Time and credit to be arranged. Prerequisite, consent of instructor. In a limited number of courses, instruction may be given by individual conference. Staff.



SPECIAL METHODS COURSES

84 New course: Sl76. Supervision and Teaching of Social Studies in the Elementary School. 1 Q. Summer. 3 cr. Prerequisite, junior standing and Education 162 or 164 or extensive teaching experience. Study of modern philosophy of social studies instruction in grades 1-6 with emphasis upon curriculum trends, instructional practices, teacher-pupil planning and evaluation, unit organization of instruction, integration with other areas, use of community resources. Mr. Dean.

New course: Sl78. Supervision and Teaching of Elementary Reading. 1 Q. Summer only. 3 cr. Prerequisite, junior standing and course 162 or 164 or extensive teaching experience. Intensive analysis of the characteristics of a good reading program in grades 1-6, objectives, methods and materials of instruction, evaluation, relationship to other work. Supervisory techniques applied specifically to the improvement of reading instruction. Mr. Dean.

183. Advanced Problems in Teaching Home Economics. Was Home and Family Life Education. Prerequisite, Education 163 and 26a or consent of instructor, instead of 8 credits in education.

85 Under Biological Science curriculum:

Zoology 15, Field Zoology, changed to 3 credits under "teaching Minor" instead of 2-3 credits.

Under Business Administration curriculum:

Teaching major and minor: Add 24ab, advanced Shorthand Transcription and Bus Ad 26, Beginning Secretarial Practice.

Delete Bus Ad 21ab, Advanced Typewriting, Bus Ad 25b, Office Machines.

Under Economics and Sociology curriculum:

Delete under electives Econ 101a, 104b and Soc 136.

Add Econ 115, Economics of Montana, and Soc 122, Criminology.

Under Fine Arts curriculum:

Add under required course: "or S27, Elementary Crafts." (After Mediums)

Under Health and Physical Education for Men:

Revised as follows:

	Teaching Major (45 credits) 35 credits as follows:	Teaching Minor (30 credits) 23 credits as follows:
Required courses:		
P.E. 15abc, Activity Skills	3	3
P.E. 20ab, Human Anatomy	10	---
P.E. 36, Techniques of Teaching of Swimming	2	---
P.E. 60,61,62 Coaching--Basketball, Football, & Track	8	8
P.E. 137, School Gymnastics	4	4
P.E. 150, Organization & Administration	4	4
P.E. 153, Health Education	4	4
(Supervision and Teaching in Physical Education is required of all majors and minors.)		
	(10 credits from the following)	(7 credits from the following)

Electives

P.E. 20ab, Human Anatomy	--	5
P.E. 32, First Aid or P.E. 40, Athletic Training	2	2
P.E. 36, Techniques of Teaching Swimming	--	2
P.E. 60,61,62 Coaching Basketball, Football, & Track	4	4
P.E. 136, Kinesiology	5	--
P.E. 148, Physiology of Exercise	2	--
P.E. 151, Curriculum Construction	4	--
P.E. 160, Seminar in Health Education	1-3	--
P.E. 170, Recreational Leadership	3	3

Health and Physical Education for Women:

	Teaching Major (45 credits) 36 credits as follows:	Teaching Minor (30 credits) 24 credits as follows:
Required courses:		
P.E. 15abc, Adv. Gymnastics (Activity Skills)	3	3
P.E. 20ab, Anatomy	10	--
P.E. 36, Techniques of Teaching Swimming	2	--
P.E. 45abc, Dance Methods and Materials	3	3
P.E. 63, Teaching of Sports	6	6
P.E. 137, School Gymnastics	4	4
P.E. 150, Organization and Administration	4	4
P.E. 153, Health Education	4	4

	(9 credits from the following)	(6 credits from the following)
Electives:		
P.E. 20a, Human Anatomy	--	5
P.E. 32, First Aid	2	2
P.E. 36, Techniques of Teaching Swimming	--	2
P.E. 45abc, Dance Methods and Materials	2	2
P.E. 63abc, Teaching of Sports	2	2
P.E. 136, Kinesiology	5	--
P.E. 148, Physiology of Exercise	2	--
P.E. 151, Curriculum Construction	4	--
P.E. 160, Seminar in Health Education	1-3	--
P.E. 170, Recreational Leadership	3	3

History and Political Science Curriculum changed as follows:

Under Teaching Major - after 45 credits - change 33-35 to 25-27 credits.

Under Required Courses:

Rewrite Political Science 14, Introduction to Government (5 credits) or 17, American Government (4 credits).

Delete Political Science 20, Comparative Government, 4 credits.

Delete History 132, Contemporary European Government, 4 credits.

Rewrite, History 12ab, Political and Economic Development of Modern Europe (10 credits) or 30ab and 103, Europe in the 19th Century (6 credits) and Early 20th Century (3 credits--required of majors only).

Under Teaching Major credits from Electives - change 10-12 to 18-20 credits.

Under electives:

Delete:	Social Science 11abc, Introduction to Social Science	5	5
	History 34, Renaissance and Reformation	3	3
	History 35, The Ancient Regime	3	3
	Political Science 109, American Political Problems	4	4

Rewrite: Political Science 14, Introduction to Government (5 credits) or 17, American Government, (4 credits)

Add: (under Electives in proper order)

4 credits for a Teaching Major for Political Science 20, Comparative Governments

	(Major)	(Minor)
History 101, American Frontiers	3	--
History 122, Montana History	4	--
History 123abc, Hispanic-American History	12	--
Political Science 124, International Organizations	4	--
History 129, Social and Cultural History of the United States	4	--
History 131, Recent History of the United States	4	4
History 132, Contemporary European History	4	4

The paragraph following should be rewritten as follows:

Five credits in llabc (Introduction to Social Science) may be counted in major or minor teaching requirements provided the course was taken prior to the 1947-48 school year and all three quarters were completed.

### ENGLISH

92 Major requirements changed from 50 to 45.

Required in all schedules: Delete Eng 25abc, Eng llab and Gen 15abc in the Freshman year.

94 Under note after English A, second sentence, delete "English 25abc instead of 12abc."

Delete 25abc. Literature and Composition.

166. Irish Literature Since 1890. Delete 2 cr. (to be offered for 4 cr. only). Add winter to quarter offered.

197. The Philosophy of Grammar. Delete English 187 or equivalent from the prerequisite and substitute English 187 recommended.

### SPEECH AND DRAMA

96,97,98

The numbers for Speech courses are preceded by ESp. The numbers for the Drama Courses are preceded by EDr.

### SPEECH

ESp. 45. Radio Speech. Changed from a 2 quarter course to a one quarter course, and it will be offered during the autumn quarter only.

New course: ESp. 46. Radio Production and Directing. 2 Q. Winter. Spring. Continuous. 4 Cr. Prerequisite, ESp. 45 and Music 45a. A laboratory and lecture course in the writing, production and direction of all types of radio programs. Students will participate in productions, either as performers or technicians.

New course: ESp. 121. The Teaching of Speech. 1 Q. Autumn. Summer. 2 cr. Prerequisite, senior standing, much work in Speech, and consent of instructor. A study of curriculum planning, instructional materials, methods and practices of teaching in the field of speech on the secondary level. Given in 1948-49 and alternate years.

New course: ESp. 150 History of Public Address. 1 Q. Winter. 3 cr. Prerequisite, ESp. 20 and junior standing. A study of the biographies and speeches of representative public speakers from ancient Greece to modern times, the issues with which they were identified and their influence on the history of their period. Given in 1948-49 and in alternate years.

### DRAMA AND THEATER

EDr 15. Applied Acting. Add statement: May be taken to a maximum not to exceed 3 credits.

EDr 16. Applied Stagecraft. This course is being offered for 3 quarters instead of 2. A note is added: 3 credits of EDr 15 and/or EDr 16 may be applied to the Drama major. Also add: May be taken to a maximum not to exceed 3 credits.

Delete courses 22abc P. 97 and 66abc, P. 98.

45ab. Radio Speech. Course has been divided into ESp 45, Radio Speech, Autumn, 2 cr., and EDr 45, Radio Drama, winter, 2 cr.

New course: EDr 30. Introduction to the Theater. 1 Q. Autumn. 3 cr. Prerequisite, sophomore standing. A survey course covering the elements which make up the art of play production. Consideration of the principles underlying all the arts, with particular emphasis on play production as an art. Mr. Hinze.

New course: EDr 40. Elementary Acting. 1 Q. Winter. 3 cr. Prerequisite, EDr 30. Principles of pantomime and characterization with attention to expressive bodily action. Techniques of voice in acting and exercises for vocal flexibility, range, articulation, and enunciation. Mr. Hinze.

- New course: EDr 41. Elementary Direction. 1 Q. Spring. 3 cr. Prerequisite, EDr 40. Principles and techniques of stage direction and rehearsal. The production of the one-act play form will be considered and used in the course. Mr. Hinze.
- New course: EDr 50. Making of Sets. 1 Q. Winter 2 cr. Prerequisite, sophomore standing. Principles of and practice in the construction of stage scenery. Students will work on the construction crews of major productions.
- New course: EDr 51. Stage Lighting. 1 Q. Spring. 2 cr. Prerequisite, sophomore standing. Principles and practice in stage lighting. Primary purpose is to acquaint the student with theatrical lighting equipment and instrument, and their use. Study of the elements of electricity.
- New course: EDr 60. Advanced Acting. 1 Q. Winter. 3 cr. Prerequisite, EDr 40 and junior standing. Study and practice in creating a role. Application of the principles of voice bodily action, pantomime, characterization. Mr. Hinze.
- New course: EDr 70. Advanced Stagecraft. 1 Q. Spring. 3 cr. Prerequisite, EDr 50 and 51 and junior standing. Study of types of stage scenery. Principles of and practice in scene painting. Advanced problem in scene construction and painting. Students will head construction and painting crews for major productions.
- New course: EDr 75. Stage Makeup. 1 Q. Autumn. 2 cr. Prerequisite, junior standing and EDr 30 or considerable previous experience and consent of the instructor. Principles of and practice in theatrical makeup. Students will work on makeup for major productions.
- New course: EDr 76. Stage Costuming. 1 Q. Autumn. 2 cr. Prerequisite, EDr 30 and junior standing or considerable previous experience and consent of the instructor. History of costumes of various periods. Principles of adapting the period style to the period play. Students will work on costumes for major productions.
- New course: EDr 100. Theater Organization and Management. 1 Q. Winter 3 cr. Prerequisite, junior standing and consent of instructor. Study of backstage, technical, house, box office organization and management.
- New course: EDr 105. American Drama and the Theater. 1 Q. Spring. 3 cr. Prerequisite, junior standing. A study of the American theater and of the principal American plays, with special emphasis on the drama as an expression of the national life and culture. Given in 1949-50 and alternate years. Mr. Hinze,
- New course: EDr 110. Theater in the Community. 1 Q. Spring. Summer. 3 cr. Prerequisite, junior standing and consent of the instructor. Consideration of the place in society of the children's theater, the high school theater, and the community and little theaters. Recommended for teachers. Given in 1948-49 and alternate years. Mr. Hinze.
- New course: EDr 191. Readings in Theater. 3 Q. Autumn. Winter. Spring. 2-4 cr. each quarter. Open to seniors and graduates who have taken 10 credits in EDr or in English 57abc and 77abc, and consent of the instructor. The student may study the plays of a dramatist, inform himself about actors or playwrights, theaters, or movements in drama. Mr. Hinze. Mr. Merriam.
- New course: EDr 195. Advanced Direction. 1 Q. Autumn. 3 cr. Prerequisite, EDr 41 and senior standing. Technique of rehearsing and directing long plays. Principles of producing farce, fantasy, comedy, melodrama, tragedy. Mr. Hinze.
- New course: EDr 197. Stage Design. 1 Q. Autumn. 3 cr. Prerequisite, EDr 70 and senior standing. Study of the principles of stage design and the relation of the scene to the play. Practice in designing stage settings.

New Course: S189. Workshop in Drama and the Theater. 1 Q. Summer. Credit variable. (10 cr. maximum) Prerequisite, junior standing and previous work in drama or theater. An experiment with the object of unifying work in drama and theater.

FINE ARTS

P. 99 27. Elementary Crafts. Spring added to the quarters offered, so number is changed to 27 instead of S27.

FORESTRY

P.105 105abc. Silviculture. Delete "Students may enter any quarter."

New Course; 106. Field Silviculture. 1 Q. Autumn. 3 cr. Prerequisite, For 25, Soils and For 105ab, Silviculture. A field course designed to acquaint the student with the application of silvicultural technics to local forest stands. Field silvical studies, planting and intermediate cuttings on the Lubrecht Experimental Forest and vicinity. Mr. Bruns.

110abc. Forest Measurements. Delete "consent of instructor" from the prerequisite.

115. Wood Technology. Prerequisite changed from Botany 22 to Forestry 10.

125ab. Forest Utilization. Changed to 125abc. 3 Q. Autumn. 4 cr. Winter 2 cr. Spring. 2 cr. Prerequisite, Forestry 115 and in addition Botany 125 for 125c. Chemistry 11abc or 13ab or consent of instructor. A survey course covering the fields of forest products, their uses and their preservation. (a) lumbering, pulp and paper, plywoods and fibre products. (b) major and minor uses, plastics, derived chemical products, naval stores, etc. (c) wood preservation in its various fields. Extended field trips required. Mr. Spaulding.

136ab. Forest Engineering. Prerequisite, delete Forestry 133.

New Course: 141. Regional Range Management. 1 Q. Spring. 6 cr. Prerequisite, Forestry 140 ab. Study of regional range management problems and situations. Work done on senior spring trip. Mr. Morris.

P.106 145ab. Forest Management. Prerequisite, Forestry 105 changed to 105ab.

146. Applied Silviculture. Changed to 146. Regional Silviculture. credits changed from 2 to 2-4. Delete sentence beginning "Application of, etc." Add "Study observations and application of silviculture to regional problems." Major part of course carried on in field in connection with senior trip. Mr. Bruns.

155. Advanced Forest Mensuration. Delete "or consent of instructor" from the prerequisite.

192. Research Methods changed to 192ab. Research Methods. 2 Q. Autumn. 4 cr. Winter. 3 cr. Students may enter any quarter. Prerequisite, senior standing and consent of instructor. (a) Scientific method, application of statistical methods to the design of experiments, research technics, organization of research projects. (b) Analysis and presentation of research results, report writing. Not limited to forestry students. Mr. Davis.

New Course: 195- Public and Private Administration. Extension course. Winter, 5 cr. Prerequisite, undergraduate degree from a college or University of recognized standing or consent of the Dean of the School of Forestry based on applicants' experience and competence. Intensive instruction in the fundamentals of sociology, psychology, speech, writing, business administration, public relations and related fields. One month, 20 hours per week. Staff of university specialists in fields involved.

GEOLOGY

- P.107 Major Requirements: Delete Surveying (For 20ab), Elementary Anthropology (Econ 15), and General Botany (Bot 11ab) and add Field Zoology (Zool 15).
- P.108 135. Geological Surveying. Credits changed from 2-3 to 2-5.  
For new course see supplement.

GRADUATE SCHOOL

- P.108 Degrees Offered:  
Change paragraph (1) to read as follows:

The degrees of Master of Arts and Master of Science in the College of Arts and Sciences and Master of Science in Forestry, Master of Science in Pharmacy, Master of Science with a combined major in Botany and Forestry and a Master of Arts in Business Administration, Master of Arts in Journalism, Master of Arts in Education are granted to those who complete a satisfactory course of at least one year in graduate work beyond that required for a Bachelor's degree.

Candidates who have pursued their work in the sciences and have met all the requirements for either the Master of Arts or Master of Science degree may choose either of these degrees.

- P.109 Last sentence in the paragraph, Admission to Candidacy for an Advanced Degree, is replaced by "Candidates for Master of Education, Master of Forestry and Master of Music in Music Education do not file titles of professional papers."
- P.111 Under Master of Education degree, at the end of the 2nd paragraph add: One copy of the paper will be deposited in the library.
- Under Master of Music in Music Education replace the first paragraph by: Work leading to a degree of Master of Music in Music Education, begun in the summer of 1947, discontinued during the regular session 1947-48, will be resumed in the summer of 1948 and thereafter continued.
- At the end of the second paragraph add: Regulations are the same as for Master of Education and Master of Forestry.
- P.112 Insert on page 112, just after the section on thesis, a new paragraph, headed in the center of the page:

LANGUAGE REQUIREMENT

Students who have met the foreign language requirement in Montana State University for the Bachelor of Arts or Bachelor of Science degree in the College of Arts and Sciences will be counted as having fulfilled this requirement. Others must demonstrate by test a reading knowledge of at least one foreign language for either the Master of Arts or the Master of Science.

HEALTH AND PHYSICAL EDUCATION

- P.113 Major Requirements:  
Elementary Bacteriology (Bact 19) is also listed as a requirement for a major in Health and Physical Education.
- P.114 After 11abc and 12abc add:  
Note: A total of not more than 6 credits in 11abc and 12abc will be accepted in addition to the 180 credits required for graduation.

New course: 14abc. Activity Skills. 3 Q. Autumn. Winter. Spring. 14a, b or c Summer. 1 cr. Students may enter any quarter. Prerequisite, 11abc, 12abc, or consent of instructor. This course intended to give students an opportunity to become more proficient in basic skills by participating in activity classes of 11 and 12abc. Students may not repeat an activity in which they have received credit and may not register in Varsity Sports for credit in this course. A total of not more than 3 credits will be accepted in this course. Credits earned will be in addition to the 180 required for graduation.

60. Coaching of Basketball. S60, Summer, credit changed from 4 to 2.

61ab. Coaching of Track. Summer, S61b, credit changed from 4 to 2.

62ab. Coaching of Football. Summer, S62b, credit changed from 4 to 2.

63abc. Teaching of Sports for Women. Summer, S63, credit changed from 4 to 2. Prerequisite changed to junior standing. Title was Coaching for Women.

New course: 170. Recreational Leadership. 1 Q. Autumn. 3cr. Prerequisite, junior standing. May be repeated for credit not to exceed 9 credits. Philosophy of recreation, theory and practice of group leadership, development of recreational skills. Given jointly by the departments of health and physical education, sociology and the school of music. Miss Stoodley. Mr. Tascher. Mr. Teel.

204. Research in Health and Physical Education. Credits changed from 1-5 to 3-5.

HISTORY AND POLITICAL SCIENCE

P.116 "Double majors may be arranged with the Department of Modern Languages, Economics, and Sociology, ....."

".....offer such courses as Economics 103, 104, and 113, journalism 110 and Business Administration 152 in partial fulfillment...."

P.117 114. New copy:

114ab. Russia and Poland. 2Q. Autumn. Winter. 4 cr. each quarter. Summer, S114a, 4 cr. Prerequisite, junior standing and a college course in modern European history. 114a required for registration in 114b. (a) Beginnings of Russia. Early expansion. Russia and the west until the Congress of Vienna. (b) Russia in the 19th and 20th centuries. Mr. Wren.

117. Delete "Continuous, 8 credits." Add "4 credits each quarter." Add after "Modern European history. Course 117a required for registration in 117b."

Add course 119 from under Political Science.

"119. Constitutional History of the United States. 1 Q. Spring. 4 cr. Prerequisite, History 21abc. The origin and growth of the constitution in relation to the institutional development of the United States.

121abc. Changed to 121ab, two quarters, 4 credits each quarter.

122. Delete "and Government" from title.

P.118 Under Political Science.

14. Delete beginning "constitutions, citizenship,.....,etc."

18. Delete summer. Change prerequisite 21b to 21c.

106. Delete spring and add autumn. Add to prerequisite, "106a required for registration in 106b.

116. Delete "Course 116a required for registration in 116b."  
 119. Move course 119 under History following course 117ab.  
 S129. Change number of this course to 130. There is a conflict.

New course: 133. The American Constitutional System. 1 Q. Autumn.  
 3 cr. Prerequisites, courses 17 and 21bc. Growth and development of the constitution of the United States, the fundamental principles of constitutional law, judicial interpretation, relation of state and national governments, the jurisdiction of the courts."

New course: 134. The Principles of Administrative Law. 1 Q. Spring.  
 3 cr. Prerequisites, courses 17, 18 and 116. Administrative law in the United States with reference to other countries. Administrative authorities, the scope and the limitations of their powers, remedies, judicial control of administrative action.

136. After prerequisite, delete 116abc. Add "one quarter of course 116 or Economics 103 or Business Administration 129."

#### SCHOOL OF JOURNALISM

P. 123 Paragraph (3) at the top of the page is changed to read:

Senior examinations will not be given except to candidates for honors.

P. 126 Below curriculum:

Change total elective hours to 78, total recommended hours in general Education to 54.

#### SCHOOL OF LAW

P.129 Delete paragraph (2) in the middle of the page--"Study or intellectual growth while the applicant was in the armed forces if the achievements resulting from such study or intellectual growth have been evaluated by a testing program....."

Delete Corporations.

New course: Future Interests. 1 Q. Spring. 3 cr. Casebook to be announced. Mr. Coldiron.

#### MATHEMATICS

P. 134 At the end of the second paragraph at the top of the page add:  
 Math A and Math B will not be offered after Summer, 1948.

Delete 17. College Geometry for Teachers.

#### MEDICAL TECHNOLOGY

P.135 Curriculum has been changed from three years to four. Majors must have a Bachelor of Science degree in Medical Technology before taking their training in a hospital.

P.136 The curriculum for the fourth year has been added. Students must register for Bact 125, 122, 121, 103, 2 quarters of Bact 131, 3 quarters of Bact 129, Zool 105, Zool 24, and electives for 4 cr.

#### MODERN LANGUAGES

New course: 128. Advanced French Conversation. 1 Q. Any quarter.  
 1 cr. Prerequisite, French 17. Staff. May be repeated to a maximum not to exceed 3 credits.

#### SCHOOL OF MUSIC

P.149 14abc. Piano in Class. 3 Q. Autumn. Winter. Spring. Summer 14a. 1 cr. each quarter. Mrs. Ramskill. (Not a new course. Was not listed in the last catalog.)



P.149 31abc. Conducting. 3 Q. Autumn. Winter. Spring. 3 cr. each Quarter. Summer, 31a. Prerequisite, 10 credits in music. (a) Fundamentals of conducting, (b) Choral conducting, (c) instrumental conducting. Choral and instrumental groups are made available for practical experience. 31a is a prerequisite for 31b or c. (This course was a 2 quarter course. 3 cr. each quarter. Students were permitted to enter either quarter.)

New course: S108. Unit Course in Music Education. 1 Q. Summer. 1-3 cr. Prerequisite, junior standing in music or teaching experience and consent of instructor. Staff.

New course: S114. Piano Teaching Workshop. 1 Q. Summer. 1-8 cr. Prerequisite, junior standing in music or teaching experience and consent of instructor. Staff.

New course: 135abc. Music Literature. 3 Q. Autumn, Winter, Spring. 3 cr. each quarter. Prerequisite, Music 35abc. The historical background and comparison of selected symphonic and choral compositions by great composers. (a) Classical Period, (b) Romantic Period, (c) Modern Period. Staff.

New course: 170. Recreational Leadership. 1 Q. Fall, 3 cr. Prerequisite junior standing. This course may be repeated for credit not to exceed 9 credits. Philosophy of recreation, theory and practice of group leadership, development of recreational skills. Given jointly by the School of Music, Department of Sociology and Social Administration, and Department of Health and Physical Education. Miss Stoodley. Mr. Tascher. Mr. Teel.

New course: 223. School Music Administration and Supervision. 1 Q. summer. 3 cr. Prerequisite, Music 123abc and graduate standing in music. Designed for graduate students whose primary purpose in advanced study is preparation for administrative or supervisory work in music education. A study of school systems, plans for organizing and administering the music program in the elementary, junior and senior high school. Offered in 1949-50 and in alternate years.

New course: 262. Graduate Seminar in School Music. Any quarter. Credit variable, 1-5.

#### SCHOOL OF PHARMACY

P.154 Add the following pages:

The following pre-pharmacy and pharmacy curriculum is being offered as an optional course of study. The chief reasons for instituting two years of pre-pharmacy is to level out the credit hour load to approximately 15 hours per quarter. It is felt by doing this that the student will be better prepared when he enters the School of Pharmacy. Also, the three years in the School of Pharmacy will be purely pharmaceutical, which will make it possible for us to offer a much higher calibre of course and also allow more electives so that the pharmacist prepared under this curriculum will be much better qualified for the branch of pharmacy he contemplates entering.

#### PRE-PHARMACY

##### First Year

	Autumn Quarter Credits	Winter Quarter Credits	Spring Quarter Credits
Chem 11 or 13, Inorganic Chemistry	5	5	5
Engl 12abc, Language in Action	3	3	3
*Math., Mathematics	5	5	
Botany 13, Pharmaceutical Botany			5
Phys. Ed. 11abc, Physical Education	1	1	1
Mil. Sci. 11abc, Military Science (Men)	1	1	1
	15	15	15

\*Course entered dependent upon high school preparation.

Second Year

Chem 10lab, Organic Chemistry	5	5	
Zool 10, General Zoology	5		
Physics 11abc, General Physics	5	5	5
Electives (History, Pol Science, Soc. Sci., Econ., Literature, Psychology, and Philosophy)		5	10
Phys. Ed. 12abc, Physical Education	1	1	1
Mil. Sci. 13abc, Military Science (Men)	1	1	1
	<u>17</u>	<u>17</u>	<u>17</u>

PHARMACY

First year

	Autumn Quarter Credits	Winter Quarter Credits	Spring Quarter Credits
Pharm. 10, Principles of Pharmacy	3		
Pharm. 14, Pharmaceutical Chemistry (Inorganic)	4		
Pharm. 24ab, Pharmacognosy	5	5	
Pharm. 26, History & Literature of Pharmacy	3		
Pharm. 52ab, Drug Analysis		5	5
Zool. 24, Human Physiology			5
Pharm. 2lab, Operative Pharmacy		5	5
	<u>15</u>	<u>15</u>	<u>15</u>

Second year

Bact. 117, Bacteriology	5		
Bact. 118, Immunology		5	
Pharm. 114ab, Organic Medicinal Products	3	3	
Pharm. 77ab, Pharmaceutical Economics	3	3	
Pharm. 93, Biological Products		3	
Pharm. 140ab, Pharmacology		4	4
Pharm. 95a, Dispensing			5
Pharm. 50, Manufacturing Pharmacy	4		
Chem. 103, Physiological Chemistry			5
	<u>15</u>	<u>15</u>	<u>17</u>

Third year

Pharm. 95b, Dispensing	5		
Pharm. 141, Bioassay			3
Pharm. 97, Pharmaceutical Practice	2	2	2
Pharm. 90, Proprietary Products		3	
Pharm. 142, Toxicology		3	
Phys. Ed. 32, First Aid	2		
Electives (Hospital Pharmacy, Cosmetics, Advanced Manufacturing Pharmacy, Pharmacy Law, Pharmaceutical Accounting, Advanced Analysis, Hospital Practice, Drug Microscopy, Field Pharmacognosy, or other approved electives.)	6	7	7
	<u>15</u>	<u>15</u>	<u>15</u>

P. 155

52ab. Drug Analysis. Add Pharmacy 14 to prerequisite.

New course: 93. Biologicals. 1 Q. Spring. 3 cr. Prerequisite, Bacteriology 117, 118. Biologicals of therapeutic importance are considered as to their source, use, handling, and storage. Staff.

114ab. Organic Medicinal Products. Add Pharmacy 14 to prerequisite.

New course: 142. Toxicology. 1 Q. Spring. 3 cr. Prerequisite Pharmacy 14C. A study of the recognition and detection of poisons. Staff.

PHYSICS

166. Electronics. Credits changed from 3 to 5.

PRE-MEDICAL COURSE

P. 159 Chem 40. Elementary Physical Chemistry added to required courses.

PSYCHOLOGY AND PHILOSOPHY

P. 161 Major requirements: Under recommended courses:  
Delete Problems in Psychology and Philosophy (Psych 190).  
Add Human Physiology (Zool 24).

New course: 10. How to Study and Work Effectively. 1 Q. Any quarter.  
3 cr. Prerequisite, permission of the instructor. Designed to assist  
students who have good aptitude but low performance record. Mr. Brody.  
Mr. Hamilton.

Delete 33. Vocational Psychology.

New course: 40. Industrial Psychology. 1 Q. Winter, 3 cr. Prerequisite,  
Psychology 11. Applications of psychology in industry; job analysis;  
accident prevention; development of skill; fatigue; motives in industry;  
psychological problems of supervision and management. Students who have  
received credit in Psych 33, Vocational Psych, may not receive credit  
for 40. Mr. Buck.

New course: 41. Personnel Psychology. 1 Q. Spring. 3 cr. Prerequisite,  
Psychology 11. Psychological principles in personnel; development and  
usefulness of tests, rating scales and other technical personnel aids  
in selection, classification and training of personnel; psychological  
techniques in worker efficiency and adjustment problems. Students who  
have received credit in Psych 33, Vocational Psych may not receive credit  
for 41. Mr. Buck.

New course: 105. Physiological Psychology. 1 Q. Winter. 3 cr. Prere-  
quisite, Psychology 11, Psychology 12, Zoology 14ab and junior standing.  
A study of certain physiological and neurological functions related to  
psychological activity. Mr. Hamilton.

New course: 132. Individual Testing. 1 Q. Winter. 3 cr. Prerequisite,  
Psychology 129. A study of, and laboratory practice in, the current,  
individual psychological test, such as the Binet Scote, the Wechsler-  
Bellevue, the Thematic Aperception, and the Rorschach. Mr. Sappenfield.

PUBLIC SERVICE DIVISION

P. 162 Heading "Adult Education and Correspondence Study" changed to  
"Off-Campus Courses and Home Study."

P. 164 Heading "Correspondence Study Fees" has been changed to "Home  
Study Fees".

Heading "Extension Course" has been changed to "Off-Campus Course"

SOCIOLOGY AND SOCIAL ADMINISTRATION

Major Requirements: All major students in the Department of Sociology  
and Social Administration should complete the following courses in their  
sophomore year, in addition to the Social Science Divisional requirements  
set forth on page \_\_\_; Elementary Sociology (16), and Principles of  
Economics (Econ 14). Students concentrating in Sociology should complete  
Elementary Anthropology (15); those concentrating in Social Administration  
should complete either Social Problems (17), or American Government and  
Politics (Hist 17). Students preparing to teach social sciences in high  
school may select either of the preceding concentrations for the sophomore  
year. Social Science Methods (118) may be taken in the junior year. A

minimum of 50 credits in Sociology and/or Social Administration is required for a major, to be made up of the above requirements and additional credits to be obtained from one of the major fields of concentration, as listed below.

- A. Sociology Concentration: The following course listed under the Department of Economics will be completed: Labor Economics (113ab). In the Department of Sociology and Social Administration, Community Organization (133), will be completed. The remaining credits for a major will be earned in Sociology courses. As many non-departmental electives as possible should be chosen from among the following: Department of History and Political Science: United States History (2lab), Theories of the State (115); Mathematics: Statistics (25); Department of Psychology and Philosophy: Social Psychology (14), Child Psychology (13), Systematic Psychology (114), Psychology of Personality (15), Ethics (51).
- B. Social Administration Concentration: A minimum of 30 credits in Social Administration is required. Courses required include: Introduction to Social Administration (131), Principles of Group Work (132), Principles of Social Case Work (130), Community Organization (133), Public Welfare Administration (136), Field Work (134).

In addition, students must select one of the following curricula according to their major professional interests; Social Case Work, Social Group Work, Community Organization and Welfare Administration, Industrial Social Work, and Social Welfare Research. Courses in addition to those prescribed above are selected from Sociology, Psychology, Economics, History and Political Science, Home Economics, Education, Bacteriology, Physical Education, and Business Administration.

- C. Combined Economics and Sociology Concentration: For those who plan to teach social sciences, to go on to seminary, or to go into work that required a background in both economics and sociology the following courses in addition to general departmental requirements, should be completed: Economics: Money and Banking (101b), Labor Economics (113ab), Public Finance (104a), Advanced Economics (111) or Development of Economic Theory (112), Sociology: Population (128) The Family (129), Regional Sociology (123). The remaining credits for a major will be selected in counsel with the student's adviser.

A comprehensive examination over the major field of study is given to all graduating seniors. Honors candidates must prepare a senior thesis based on original research.

Students who plan to secure a certificate to teach should consult the certification requirements listed on page \_\_\_\_.

New course: 18. Integration of Cultural Systems. 1 Q. Spring. Prerequisite, sophomore standing, course 15 or 16, and consent of instructor. An intensive study of selected primitive tribes; problems in the application of principles studied in previous courses. Mr. Carroll.

Courses numbered 150, 151, 152, and 153 are in-residence training courses offered at Montana State Hospital, Warm Springs, for selected students in Sociology and Social Administration.

New course: 150. Medical Information. 1 Q. Any quarter. 3 cr. Prerequisite, senior standing and departmental consent. Lectures, observation, readings, and discussions about the nature of the common diseases.

New course: 151. Psychiatric Information. 1 Q. Any quarter. 4 cr. Prerequisite, senior standing and departmental consent. Lectures, observation, clinical procedures, readings, and discussions about the nature of mental illness.

New course: 152. Occupational and Recreational Therapy. 1 Q. Any quarter. 4 cr. Prerequisite, senior standing and departmental consent. Lectures, observation, readings, discussions, and laboratory practice in the field of therapy.

New course: 153. Institutional Management. 1 Q. Any quarter. 2 cr.  
Prerequisite, senior standing and departmental consent. Lectures, readings, field trips, and discussions about problems of institutional management commonly confronted by social workers in institutional work.  
For new course see supplement.

ZOOLOGY

P.167 Major requirements:  
Field Zoology (Zool 12) changed to (Zool 15).

12. Field Zoology. Number changed to 15. Credits changed from 2-3 to 3.

Delete 103. Parasitology.

105. General Histology. Prerequisite changed from Zoology 23 to Zoology 14ab, junior standing and consent of instructor.

107. Aquatic Biology. Credits changed from 3 to 5. Prerequisite, changed to Zoology 15, junior standing and Botany 12.

108. Ornithology. Credits changed from 4 to 5. Prerequisite, changed to Zoology 23 and junior standing.

109. Mammalogy. Credits changed from 4 to 5 credits.

P.169 128. Animal Ecology. Prerequisite, changed to Zoology 15, Botany 12 and junior standing.

129. Biological Literature. "The consent of the Chairman of the Dept. of Botany or Zoology" is added to the prerequisite.

COURSES OFFERED AT BIOLOGICAL STATION.

New course: S108. Ornithology. 1 Q. Summer, 3 cr. Given at the Biological Station. Prerequisite, one laboratory course in vertebrate zoology.

New course: S109. Mammalogy. 1 Q. Summer. 6 cr. Given at the Biological Station. Prerequisite, comparative vertebrate zoology.

New course: S161. Limnology. 1 Q. Summer. 6 cr. Given at the Biological Station. Prerequisite, Elementary Zoology and one collegiate course in Chemistry.

New course: S164. Natural History of Invertebrates. 1 Q. Summer. 3 cr. Given at the Biological Station. Prerequisite, Invertebrate Zoology.

New course: S165. Entomology. 1 Q. Summer. 6 cr. Given at the Biological Station. Prerequisite, two laboratory courses in Zoology, including Invertebrate Zoology.

New course: S167. Ichthyology. 1 Q. Summer. 3 cr. Given at the Biological Station. Prerequisite, Comparative vertebrate anatomy.

New course: S199. Special Problems in Zoology. 1 Q. Summer. 2 to 5 credits. Given at the Biological Station. Prerequisite, adequate background courses in the subject and consent of instructor.

New course: S200. Advanced Zoological Problems. 1 Q. Summer. Credit variable. Given at the Biological Station. Prerequisite, consent of the instructor.

New course: S261. Limnological Methods. 1 Q. Summer. 3 cr. Given at the Biological Station. Prerequisite, graduate standing, limnology and at least one year of collegiate chemistry. (Omitted in 1948).

SUPPLEMENT TO CATALOG CHANGESGEOLOGY

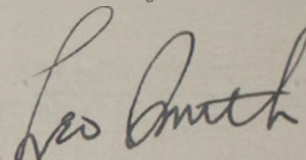
P. 108 101. Economic Geology. 3 Q. Autumn, winter, spring. 12 cr. continuous. Prerequisites, Geology 11b or Geology 22 and Geology 26. A study of the theoretical aspects of the geology of nonmetallic and metallic mineral deposits. (Substitute for present course 101 and 103.)

New course: 124. Petrography. 3 Q. Arrange. 12 cr. Continuous. Prerequisite, Geology 26. The use of the petrographic microscope in the determination of minerals and rock.

SOCIOLOGY AND SOCIAL ADMINISTRATION

New course: 170. Recreational Leadership. 1 Q. Autumn. 3 cr. Prerequisite, junior standing. May be repeated for credit not to exceed 9 credits. Philosophy of recreation, theory and practice of group leadership, development of recreational skills. Given jointly by the departments of health and physical education, sociology and the school of music. Miss Stoodley. Mr. Tascher. Mr. Teel.

5. The meeting was adjourned.

  
Leo Smith  
Secretary

ml

June 3, 1948

1. A meeting of the faculty was held at 4:10 p.m. on call of President James McCain. Dr. Jesse presided.

Present: Albright, Alcorn, Ames, Arnold, Armsby, Atkinson, Bates, Bennett, Bischoff, Browder, Bruns, Brunson, Buck, Burgess, Carleton, Castle, W.P. Clark, Clow, Cogswell, Coleman, Conlin, Crow, Crowder, Cullison, Dew, Dwyer, Ely, Emblen, Ephron, Fenton, Fiedler, Fisher, Fleming, Ford, Frost, Gilkey, Gleason, Golden, Hahn, Hamilton, Hammen, Hatton, Hauge, Hertler, Hetler, Hinze, Hoffman, Huck, Hulbert, Jeppesen, Jesse, Juday, Leaphart, Line, Lommasson, Lory, Lovless, Lowell, Maucker, McGinnis, Merriam, Merrill, Moore, Morris, Murray, Ostrom, Oswald, Phillips, Platt, Ratliff, Renzaglia, Sappenfield, Severy, Shallenberger, Shepherd, J.A. Shoemaker, T.H. Shoemaker, Shattuck, Leo Smith, T.H. Smith, Spaulding, Stoerker, Stoodley, Struckman, Sullenberger, Tascher, Teel, B.E. Thomas, Leo A. Thomas, Turner, Van Duser, Waters, Weisel, B.F. Wilson, V. Wilson, Wolfard, Wright, Yates.

Accounted for: Andrie, Brody, Bue, Campbell, Davis, Gilliland, Hall, McCain, Martell, Marvin, Mirrielees, Moe, Patten, Ramskill, Walbridge, Wendt.

2. The minutes of the meeting held May 17, 1948 were approved.

3. Announcements:

- a. Dean Maucker introduced Mr. Guy Renzaglia, the senior counselor and member of the staff of the School of Education.
- b. Dean Maucker announced that summer session begins at 8:00 a.m. June 14, and that all faculty members are expected to be on duty that day.
- c. Vincent Wilson, Chairman of the Faculty Picnic Committee, announced that the picnic will be held at the Montana Power Park.
- d. Professor Atkinson, Chairman of the Commencement Committee, announced that all faculty members are expected to march in the commencement procession unless they have applied for leave of absence.