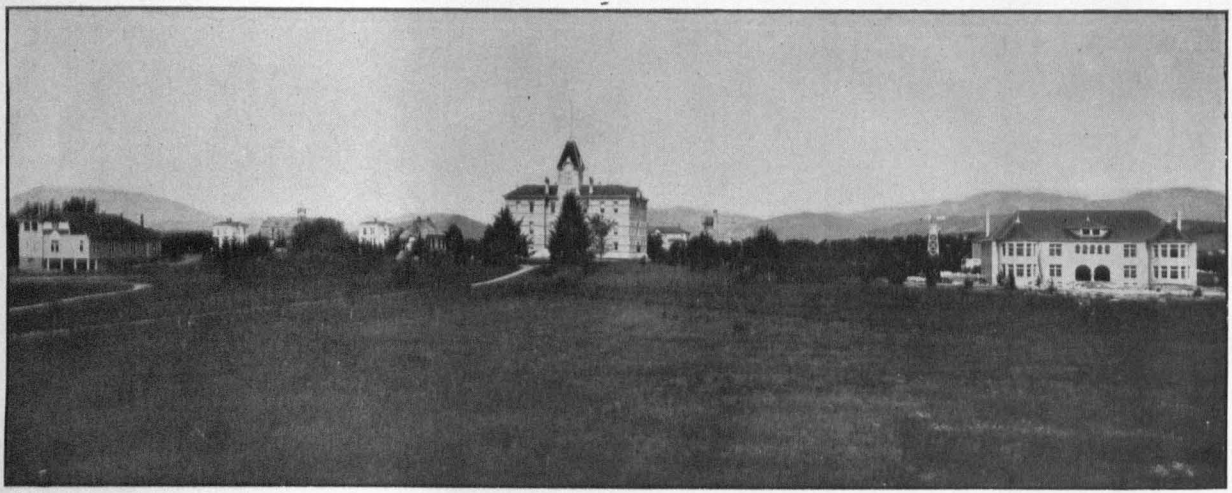
Oregon Agricultural College

1898-99.

AFTER this catalogue was printed a fine traction engine was added to our farm equipments. Agricultural students will receive instruction and practical training in the use and care of the steam engine.



ANNUAL CATALOGUE

OF THE

AGRICULTURAL COLLEGE

OF THE

STATE OF OREGON

FOR

1898-1899.

AND

ANNOUNCEMENTS FOR 1899-1900.

Corvallis, Oregon.

AGRICULTURAL COLLEGE PRINTING OFFICE.
GEO. B. KEADY, PRINTER.
1899.

CALENDAR--1899-'00.

SEPTEMBER.

S.	M.	T.	W.	T.	F.	S.
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OCTOBER.

S.	M.	T.	W.	T.	F.	S.
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DECEMBER.

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JANUARY.

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FEBRUARY.

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MARCH.

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APRIL.

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MAY.

S.	M.	T.	W.	T.	F.	S.
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JUNE.

S.	M.	T.	W.	T.	F.	S.
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JULY.

S.	M.	T.	W.	T.	F.	S.
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AUGUST.

S.	M.	T.	W.	T.	F.	S.
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26	27	28	29	30	31	...

ANNOUNCEMENTS.

FALL TERM.

Entrance Examination.....Tuesday, September 19, 1899.
Matriculation of Students.....Wednesday, September 20, 1899.
Work of the Term begins.....Thursday, September 21, 1899.
Thanksgiving Holidays.....Thursday and Friday, Nov. 30 and Dec. 1, 1899.
Term closes.....Thursday, December 21, 1899.
Winter Vacation begins.....Friday, December 22, 1899.
Winter Vacation closes.....Tuesday, January 2, 1900.

WINTER TERM.

Term begins.....Wednesday, January 3, 1900.
Holiday.....Thursday, February 22, 1900.
Winter term closes.....Thursday, March 29, 1900.

SPRING TERM.

Term begins.....Thursday, April 5, 1900.
Decoration Day (holiday).....Wednesday, May 30, 1900.
Baccalaureate Sermon.....Sunday, June 17, 1900.
Commencement Day.....Wednesday, June 20, 1900.

Examinations will be held at the close of each term.

The standings of students will be sent to the parents or guardians on application.

NOTE.—On Decoration Day cadets will turn out in full force.

BOARD OF REGENTS OF THE STATE AGRICULTURAL COLLEGE.

HON. J. T. APPERSON, *President*.....Oregon City, Oregon.
HON. WILLIAM E. YATES, *Secretary*.....Corvallis, Oregon.
HON. J. L. WEATHERFORD, *Treasurer*.....Albany, Oregon.
HON. T. T. GEER, *Governor*.....Salem, Oregon.
HON. F. I. DUNBAR, *Secretary of State*.....Salem, Oregon.
HON. J. H. ACKERMAN, *State Supt. of Public Instruction*....Salem, Oregon.
HON. WILLIAM M. HILLEARY, *Master of State Grange*.....Turner, Oregon.
HON. BENTON KILLIN.....Portland, Oregon.
HON. W. P. KEADY.....Portland, Oregon.
HON. J. M. CHURCH .....La Grande, Oregon.
B. S. PAGUE, LL.B. M. A.....Portland, Oregon.
HON. JOHN D. DALY.....Corvallis, Oregon.
HON. B. F. IRVINE .....Corvallis, Oregon.

EXECUTIVE COMMITTEE.

HON. BENTON KILLIN, *Chairman*.....Portland, Oregon.
HON. J. T. APPERSON.....Oregon City, Oregon.
HON. W. P. KEADY.....Portland, Oregon.
HON. WILLIAM M. HILLEARY.....Turner, Oregon.
HON. WILLIAM E. YATES.....Corvallis, Oregon.

Standing Committees of Board of Regents.

EXECUTIVE COMMITTEE—Benton Killin, *Chairman;* J. T. Apperson, W. M. Hilleary, W. P. Keady, Wm. E. Yates.

FINANCE COMMITTEE—Benton Killin, J. M. Church, W. M. Hilleary.

AGRICULTURE AND CHEMISTRY—Benton Killin, W. M. Hilleary.

HORTICULTURE AND ENTOMOLOGY—B. F. Irvine, J. M. Church.

MECHANICS AND HOUSEHOLD SCIENCE—J. K. Weatherford, W. P. Keady, John D. Daly.

LITERARY AND LIBRARY—B. S. Pague, B. F. Irvine.

ADVERTISING AND PRINTING—W. P. Keady, Wm. E. Yates.

BUILDINGS AND GROUNDS—Wm. E. Yates, J. M. Church, B S. Pague.

INSTITUTES—J. K. Weatherford, Wm. E. Yates.

COMMITTEE ON FINANCE.

HON. BENTON KILLIN.

HON. WILLIAM M. HILLEARY.

HON. J. M. CHURCH.

FACULTY.

MENTAL AND MORAL SCIENCE.

THOS. M. GATCH, A. M., PH. D. ..... President.

AGRICULTURE AND DAIRYING.

JAMES WITHYCOMBE, V. S. ..... Vice-Director and Prof. of Agriculture.
F. L. KENT, B. AGR. ..... Assistant in Dairying.
M. F. WOOD, B. S. A. ..... Foreman of Farm.

HISTORY AND MODERN LANGUAGES

F. BERCHTOLD, A. M. ..... Dean of College.

MECHANICS, PHYSICS AND MECHANICAL ENGINEERING.

GRANT A. COVELL, M. E. ..... Professor.
E. C. HAYWARD, E. E. ..... Assistant.
D. W. PRICHARD ..... Assistant in Woodwork.
M. CLYDE PHILLIPS, B. M. E. ..... Assistant in Blacksmithing.

HOUSEHOLD ECONOMY AND HYGIENE.

MISS MARGARET C. SNELL, M. D. ..... Professor.
MRS. MARY AVERY, ... Assistant in Sewing Dept.

CHEMISTRY.

G. W. SHAW, PH. D. ..... Professor.
JOHN F. FULTON, B. S. ..... Assistant Professor.
C. M. MCKELLIPS, Ph. C. ..... Assistant Chemist and Instructor in Pharmacy.

ENGLISH LANGUAGE AND LITERATURE.

J. B. HORNER, A. M. ..... Professor.
MRS. IDA B. CALLAHAN, B. S. ..... Assistant.

MATHEMATICS AND CIVIL ENGINEERING.

GORDON V. SKELTON, C. E. ..... Professor.
CHAS. L. JOHNSON, B. S. ..... Assistant.

ZOOLOGY AND ENTOMOLOGY.

A. B. CORDLEY, B. S. ..... Professor.

BOTANY AND HORTICULTURE.

E. R. LAKE, M. Sc. ..... Professor.
GEO. COOTE ..... Florist and Gardener.

FREEHAND DRAWING AND PHOTOGRAPHY.

E. F. PERNOT ..... Professor.
MISS DOROTHEA NASH, B. H. E. ..... Asst. in Freehand Drawing.

ELOCUTION AND PHYSICAL CULTURE.

MISS HELEN V. CRAWFORD, B. S. ..... Professor.

MUSIC.

MISS DOROTHEA NASH, B. H. E. ..... Instructor.

MILITARY SCIENCE AND TACTICS.

CADET MAJOR E. J. LEA ..... Instructor.

Students.

SENIORS.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Burnette, Minnie	H. S.	Corvallis	Benton.
Casto, Ella	"	Carus	Clackamas.
Cauthorn, Franke	"	Corvallis	Benton.
Cox, Jessie	"	Corvallis	Benton.
Davis, Mabel	"	Corvallis	Benton.
Getty, Fanny	"	Empire	Coos.
Greffoz, Rosalie	"	Corvallis	Benton.
Jones, Mary	"	Corvallis	Benton.
Kidder, Alice	"	North Yamhill	Yamhill.
Lane, Clara	"	Corvallis	Benton.
Laurence, Lyle	"	Oregon City	Clackamas.
Lyford, Genevieve	"	Rock Island,	Illinois.
McBride, Idella Florence	"	Shedd	Linn.
Purdy, Esther	"	Corvallis	Benton.
Smith, Leona	"	Corvallis	Benton
Spencer, Hattie	"	Corvallis	Benton.
Wells, Cleora	"	Corvallis	Benton.
Aldrich, J. G.	S. A.	Cascade Locks.	Wasco.
Howell, R. H.	"	Corvallis	Benton.
Powers, Loren T.	"	Wallowa	Wallowa.
Woodcock, A. R.	"	Corvallis	Benton.
Beach, W. H	M. E.	Oregon City	Clackamas.
Beard, Harry	"	Tangent	Linn.
Huffman, Jesse	"	Philomath	Benton.
McKee, Rob't	"	Amity	Yamhill.
Murray, L. W	"	Corvallis	Benton.
Patterson, W. L	"	Empire	Coos.
Van Groos, James	"	Turner	Marion.
Van Groos, John	"	Turner	Marion.
Walters, F. C	"	Monroe	Benton.
Adams, G. W	Elec.	Baker City	Baker.
Edwards, Fred A	"	Mayville	Gilliam.
Gellatly, Robert	"	Philomath	Benton.
McBride, Horace	"	Shedd	Linn.
Smith, Nolan	"	Dallas	Polk.
Scoggin, H. A	"	Fossil	Wheeler.

JUNIORS.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Buxton, Minnie	H. S.	Forest Grove	Washington.
Findlay, Jessie	"	Carlton	Yamhill.
Hershner, Joyce	"	Corvallis	Benton.
Jackson, Dora	"	Corvallis	Benton.
Mathany, Maggie	"	Wren	Benton.
Maxfield, Florence	"	Suver	Polk.
Ownby, Lettie	"	Corvallis	Benton.

JUNIORS.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Ranney, Lillie	H. S.	Corvallis	Benton.
Rueter, Elsie	"	Forest Grove	Washington.
Smith, Etta	"	Corvallis	Benton.
Starr, Eva	"	Monroe	Benton.
Aldrich, E. B.	S. A.	Cascade Locks	Wasco.
Burgess, R. D.	"	Marshfield	Coos.
Dilly, W. R.	"	Wren	Benton.
Elgin, J. Grant	"	Corvallis	Benton.
Penland, H. E.	"	Halsey	Linn.
Winslow, Glenn.	"	Sheridan	Yamhill.
Bier, A. J.	M. E.	Corvallis	Benton.
Buxton, Harry	"	Forest Grove	Washington.
Frazier, A. H.	"	Sheridan	Yamhill.
Junkin, Herbert	"	Corvallis	Benton.
Kruse, Archie	"	Marshfield	Coos
Kruse, Fred	"	Marshfield	Coos.
Leavens, A.	"	Cascade Locks	Wasco.
McCaustland, J	"	Corvallis	Benton.
McBride, John	"	Shedd	Linn.
Palmer, T. E.	"	Williams	Josephine.
Saunders, C. A	"	Empire	Coos.
West, Theodore	"	Astoria	Clatsop.
Yoder, A. L.	"	Needy	Clackamas.

SOPHOMORES.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Barclay, Leah	H. S.	Monroe	Benton.
Beall Lulu	"	Central Point	Jackson.
Burton, Ivy	"	Independence	Polk.
Campbell, Etta	"	Ballston	Polk.
Croxton, Osyth	"	Grants Pass	Josephine.
Cumming, Cora	"	Suver	Polk.
Danneman, Carrie	"	Clem	Gilliam.
Emmett, Bertha	"	Salem	Polk.
Freed, Odessa	"	Grants Pass	Josephine
Fuller, Inez	"	Corvallis	Benton.
Garrow, Edna	"	Parkplace	Clackamas.
Gibbs, Mary	"	Harrisburg	Linn.
Harlan, Nettie	"	Corvallis	Benton.
Herbert, Myrtle	"	Corvallis	Benton.
Hill, Garlin	"	Independence	Polk.
Hillman, Ethel	"	Corvallis	Benton.
Hodgin, Dora	"	Independence	Polk.
Hollister, Ethel	"	Corvallis	Benton.
Hoover. Maud	"	Fossil	Wheeler.
Hoover, Lizzie	"	Fossil	Wheeler.
James, Julia	"	Suver	Polk.
Jackson, Leona	"	Corvallis	Benton.
Jensen, Edna	"	Gaston	Washington.
Jones, Mabel	"	Brooks	Marion.
Jones, Katharine	"	Independence	Polk.
Johnson, Mildred	"	Corvallis	Benton.
Kiger; Carrie	"	Blodgett	Benton.
Kyle, Ethel	"	Corvallis	Benton.
McConnell, Maud	"	Mayville	Gilliam.
McKenny, Lillie	"	Corvallis	Benton.
Michael, Grace	"	Corvallis	Benton.

SOPHOMORES.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Michael, Bessie	H. S.	Corvallis	Benton.
Reader, Allie	"	Dusty	Benton.
Riddle, Blanche	"	Riddle	Douglas.
Rowland, Mamie	"	Corvallis	Benton.
Settlemier, Elizabeth	"	Tangent	Linn.
Smith, Bessie	"	Salem	Polk.
Smith, Kittie	"	Gervais	Marion.
Starr, Vivian	"	Tangent	Linn.
Whitaker, Agnes	"	Corvallis	Benton.
Wilson, Flora	"	Canyonville	Douglas.
Withycombe, Mabel	"	Corvallis	Benton.
Zumwalt, May	"	Irving	Lane.
Barclay, Ross	S. A.	Monroe	Benton.
Brown, Ivan	"	Hockinson	State of Wash.
Gilstrap, R. L	"	Junction City	Lane.
Hawley, C. F	"	Bluff	Lane.
Junkin, W. S	"	Corvallis	Benton.
Stephens, F. C	"	Corvallis	Benton.
Stovall, Lawrence	"	Corvallis	Benton.
Tulley, Lucien	"	Wallowa	Wallowa.
Withycombe, R	"	Corvallis	Benton.
Yoder, O. P	"	Needy	Clackamas.
Bridgess, Forrest	M. E.	Hillsboro	Washington
Bruce, B. W	"	Turner	Marion.
Campbell, A	"	Ballston	Polk.
Davis, Harry	"	Corvallis	Benton.
Dyer, Edward	"	Albany	Linn.
Fry, R. M	"	Corvallis	Benton.
Garrow, W. W	"	Parkplace	Clackamas.
Garrow, J. G	"	Parkplace	Clackamas.
Guild, J. A	"	McMinnville	Yamhill.
Herbert, S. D	"	Corvallis	Benton.
Kraps, Leo	"	Salem	Marion.
McTimmonds, Fred	"	Dallas	Polk.
Millhollen, L	"	Oakville	Linn.
Pate, W. L	"	Jefferson	Marion.
Post, Chas. M	"	Dayton	Yamhill.
Riddle, Claude	"	Riddle	Douglas.
Scott, J. F	"	Tangent	Linn.
Sharp, W. L	"	Tangent	Linn.
Shepard, E. R	"	Zena	Polk.
Strong, Harold	"	Corvallis	Benton.
Wiley, John	"	Myrtle Creek	Douglas.
Baber, Emma	Pharmacy.	Junction City	Lane.
Holden, Blanche	"	Oregon City	Clackamas.
Holland, Constance	"	Salem	Marion.
Redd, Ernest	"	Carlton	Yamhill.
Stump, Fred	"	Salem	Marion.

FRESHMEN.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Abbe, Mabel M	H. S.	Summit	Benton.
Allen, Ina	"	Amity	Yamhill.
Applegate, Rachel	"	Yoncalla	Douglas.
Applegate, Mitta	"	Yoncalla	Douglas.
Baldwin, Edith	"	Corvallis	Benton.
Barclay, Gertrude	"	Monroe	Benton.

FRESHMEN.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Belknap, Frances	H S.	Corvallis	Benton.
Blakeslee, Clara	"	Corvallis	Benton.
Blakeslee, Della	"	Corvallis	Benton.
Brown, Dollie	"	Corvallis	Benton.
Buchanan, Edith	"	Corvallis	Benton.
Cavanagh, Leila	"	Turner	Marion.
Cochran, Maud	"	Needy	Clackamas.
Clem, Edith	"	Albany	Linn.
Crawford, Mamie	"	Corvallis	Benton.
Crawford, Clara	"	Corvallis	Benton.
Crawford, Ruby	"	Portland	Multnomah.
Cronise, Mabel	"	Corvallis	Benton.
Davis, Estelle	"	Portland	Multnomah.
Elgin, Melvena	"	Corvallis	Benton.
Ellis, Grace	"	Corvallis	Benton.
Ewing, Gertrude	"	Fulton	Multnomah.
Findlay, Carrie	"	Carlton	Yamhill.
Frickey, Minnie	"	Mayville	Gilliam.
Garret, Rena	"	Corvallis	Benton.
Getty, Mary	"	Buena Vista	Marion.
Gregg, Elona	"	Ballston	Polk.
Horton, Alice	"	Monroe	Benton.
Horning, Odalite	"	Silver Lake	Lake.
Keesee, Archie	"	Bonanza	Klamath.
Ladd, Bessie	"	Arlington	Gilliam.
Locke, Elsie	"	Corvallis	Benton.
Looney, Marguerite	"	Jefferson	Marion.
Mattley, Maud	"	Lewisville	Polk.
Miller, Nora	"	Corvallis	Benton.
Miner, Christal	"	Buena Vista	Polk.
Miner, Christie	"	Buena Vista	Polk.
Norton, Rena	"	Blodgett	Benton.
Oleman, Ida	"	King's Valley	Benton.
Parson, Stella	"	Albany	Linn.
Peterson, Leona	"	McMinnville	Yamhill.
Phillips, Eugenia	"	Dallas	Polk.
Phillips, Eloise	"	Dallas	Polk.
Rickard, Thella	"	Corvallis	Benton.
Shelton, Pearl	"	Arlington	Gilliam.
Small, Linnie	"	Silver Lake	Lake.
Small, Belle	"	Silver Lake	Lake.
Smith, Ethel	"	Salem	Marion.
Sperling, Martha	"	Harrisburg	Linn.
Spangler, Lulu	"	Corvallis	Benton.
Starr, Elva	"	Monroe	Benton.
St. Germain, Elizabeth	"	Corvallis	Benton.
Stephens, Amy	"	Corvallis	Benton.
Steiwer, Helen	"	Jefferson	Marion.
Tharp, Margie	"	Alsea	Benton.
Thompson, Orla	"	Willard	Marion.
Thompson, Bessie	"	Fossil	Wheeler.
Travis, Anna	"	Falls City	Polk.
Weber, Agnes	"	Corvallis	Benton.
Williams, Bertha	"	Latourelle Falls	Multnomah.
Williams, Nina	"	Latourelle Falls	Multnomah.
Wittschen, Virgene	"	Turner	Marion.
Zumwalt, Inez	"	Corvallis	Benton.

FRESHMEN.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Allingham, C	S. A.	Shedd	Linn.
Barnhart, Ray	"	Corvallis	Benton.
Buchanan, Claude	"	Corvallis	Benton.
Evans, W. A	"	Estrup	Lane.
Gallagher, F. R	"	North Yamhill	Yamhill.
Goodrich, Ray	"	North Yamhill	Yamhill.
Hanley, W. E	"	Hillsboro	Washington.
Harder, Ralph	"	Astoria	Clatsop.
Hedges, Pearl	"	Independence	Polk.
Houston, Fred C	"	Mohawk	Lane.
Jenks, Enoch	"	Tangent	Linn.
Jenks, Forrest	"	Tangent	Linn.
Jensen, Claude	"	Gaston	Washington.
Jones, Thos. L	"	Buena Vista	Polk.
Kissling, Jake	"	Pratum	Marion.
Mattley, L. G	"	Corvallis	Benton.
Nash, Roderic	"	Nashville	Lincoln.
Schroeder, R	"	Arago	Coos.
Shepard, Ralph	"	Zena	Polk.
Simmons, H	"	Mayville	Gilliam.
Smith, Minnie G	"	Latourelle	Multnomah.
Smith, John E	"	Amity	Yamhill.
Tarter, Herman	"	Airlie	Polk.
Tedrow, E. A	"	Monmouth	Polk.
Thompson, G. H	"	Pratum	Marion.
Tully, Edgar	"	Wallowa	Wallowa.
West, Paul	"	Warrenton	Clatsop.
Wood, H. S	"	Arlington	Gilliam.
Alspaugh, A. M	M. E.	Eagle Creek	Clackamas.
Archibald, R. C	"	Tangent	Linn.
Barratt, Harry	"	Heppner	Morrow.
Baxter, Elmer	"	Dayton	Yamhill.
Beatty, Carl	"	Chemawa	Marion.
Bilyeu, Thos	"	Athena	Umatilla.
Butler, Earl	"	Portland	Multnomah.
Burnett, Bruce	"	Corvallis	Benton.
Brandeberry, M	"	Corvallis	Benton.
Collins, Chas	"	Monmouth	Polk.
Edelman, G. L	"	Mayville	Gilliam.
Flint, Will	"	Woodburn	Marion.
Fruit, D. A	"	Peoria	Linn.
Fry, Thomas	"	Corvallis	Benton.
Gillette, Glen	"	Corvallis	Benton.
Greear, J. C	"	Hillsboro	Washington.
Griffith, Carl	"	Clymer	Marion.
Hillman, W. B	"	Corvallis	Benton.
Hite, F. E	"	Progress	Washington.
Horton, John	"	Monroe	Benton.
Humphreys, Lester W	"	Canyonville	Douglas.
Johnson, Luther	"	Portland	Multnomah.
Jones, Herbert W	"	Portland	Multnomah.
Kinney, A. W	"	Astoria	Clatsop.
Kurtichanov, Leonard E.	"	Chitwood	Lincoln.
Laughlin, C	"	North Yamhill	Yamhill.
Laighton, Lee	"	Astoria	Clatsop.
Leadbetter, N. W	"	Corvallis	Benton.
Lusted, Harry	"	Troutdale	Multnomah.

FRESHMEN.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Martin, Harold	M. E.	Corvallis	Benton.
McDaniel, L. E	"	Corvallis	Benton.
McGillivray, A	"	Shaw	Marion.
McTimmonds, R	"	Lewisville	Polk.
Palmer, J. L	"	Halsey	Linn.
Payne, Frank	"	Silver Lake	Lake.
Phillips, Ira	"	Dallas	Polk.
Planting, H	"	Warrenton	Clatsop.
Pugh, Geo	"	Salem	Marion.
Rood, Thos	"	Hillsboro	Washington.
Ross, Hubert E	"	Vansycle	Umatilla.
Saltus, F	"	Middletown	Washington.
Sanders, Ruben	"	Chemawa	Marion.
Starr, Artie	"	Corvallis	Benton.
Steiwer, Fred	"	Jefferson	Marion.
Tedrow, C	"	Monmouth	Polk.
Thrasher, F	"	Corvallis	Benton.
Thurston, Sam	"	Suver	Polk
Travis, Allan	"	Falls City	Polk.
Underwood, Irving M	"	Sherar's Bridge	Wasco.
Van Groos, W	"	Corvallis	Benton.
Van Groos, Martin	"	Corvallis	Benton.
Wetzel, Curtis	"	Turner	Marion.
Wilson, Bush	"	Corvallis	Benton.
Winn, Geo	"	Weston	Umatilla.
Witzel, H	"	Turner	Marion.
Witzel, Royal	"	Turner	Marion.
Wittschen, Royal	"	Turner	Marion.
Woodcock, H	"	Corvallis	Benton.
Belt, Harold	Pharmacy.	Corvallis	Benton.
Bristow, Ethel	"	Corvallis	Benton.
Butcher, Emmet	"	Arlington	Gilliam.
Dempsey, Frederick M	"	Portland	Multnomah.
Hartley. Jas. W	"	Lorane	Lane.
Henkle, Raymond	"	Corvallis	Benton.
Johnson, Jas	"	Harrisburg	Linn.
Morrison. W. J	"	Oakville	Linn.
Rosendorf, E. Z	"	Independence	Polk.
Spencer, Victor	"	Corvallis	Benton.
Stewart, Lenora	"	Corvallis	Benton.
Standlee, John B	"	Cornelius	Washington.
Sturgeon, Maud	"	Tillamook	Tillamook.
Ward, Frank	"	Plainview	Linn.
Wills, Bert G	"	Hillsboro	Washington.

SPECIAL STUDENTS.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Buchanan, Alice	Special.	Corvallis	Benton.
Colt, Chester T	"	Summerville	Union.
Colt, Joie V	"	Summerville	Union.
Crawford, Frank	"	Corvallis	Benton.
Daniel, I. R	"	Corvallis	Benton.
Finley, Ross	"	Corvallis	Benton.
Fuller, Addie	"	Corvallis	Benton.
Gellatly, Nettie	"	Philomath	Benton.
Gellatly, Jennie	"	Philomath	Benton.
Gilstrap, W. J	"	Junction City	Lane.
Groves, Edna	"	Corvallis	Benton.

SPECIAL STUDENTS.

NAMES.	COURSE	P. O. ADDRESS.	COUNTY.
Hartless, Georgia	Special.	Corvallis	Benton.
Harris, S. E	"	Elgin	Union.
Kidder, Faith	"	Corvallis	Benton.
Kyle, Ena	"	Corvallis	Benton.
Lea, E. J	"	Cottage Grove	Lane.
Linville. Bertie	"	Corvallis	Benton.
Maxwell. Ida	"	Halsey	Linn.
Nash, Dorothea	"	Nashville	Lincoln.
Nelms, Mrs. May	"	Corvallis	Benton.
Phillips, Miles J	"	Corvallis	Benton.
Porter, W. D	"	Shedd	Linn.
Reid, Mrs. Esther	"	Corvallis	Benton.
Small, Chas. E	"	Corvallis	Benton.
Stites, Abbie	"	Williams	Josephine.
Stovall, Dennis	"	Corvallis	Benton.
Tucker, Eva	"	Corvallis	Benton.
Williams, M. C	"	Airlie	Polk.
Wyatt, Milton	"	Corvallis	Benton.

RECAPITULATION.

Graduates	15
Seniors	36
Juniors	30
Sophomores	79
Freshmen	164
Special Students	14
Total	338
Number of Counties in Oregon	33
Number of Counties represented	24

State Agricultural College

The Agricultural Colleges in the United States are the outgrowth of an Act approved July 2, 1892, entitled "An Act donating public lands to the several States and Territories which may provide Colleges for the benefit of Agriculture and Mechanic Arts."

Every State has availed itself of the privileges granted under this Act, by providing a school under one of the various titles, viz: "Agricultural College; College of Agriculture and Mechanic Arts; or Departments of Agriculture and of Mechanic Arts" connected with a university.

By the Act of 1862, Oregon received 90,000 acres of land, donated by the United States for the purpose of establishing a college. The proceeds from the sale of this land were, by the Act granting it, made a perpetual endowment, and the interest arising from this endowment was set apart for the purpose of helping to sustain a "College of Agriculture and Mechanic Arts."

On August 30, 1890, "An Act" was passed "to apply a portion of the proceeds of the public lands to the more complete endowment and support of the colleges for the benefit of agriculture and the mechanic arts established under the provisions of an act of Congress approved July 2, 1862"

This act provided that in 1890, $15,000., should be paid to these land grant colleges and that the amount so appropriated should be increased by the sum of $1,000 annually for ten years, and that thereafter the amount annually appropriated should continue to be $25.000.

It is provided in this act that this money shall be "applied, only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematical, physical, natural and economic sciences with special reference to their application in the industries of life, and to the facilities for such instruction." But it is provided that "no portion of said moneys

shall be applied, directly or indirectly, under any pretense whatever, to the purchase, erection, preservation, or repair of any building or buildings."

The scope of the institution, as now organized, cannot be better stated than in the comprehensive words of the act of Congress defining the duty of this and similar colleges.:

"The leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislature of the State may prescribe, *in order to promote the liberal and practical education* of the industrial classes *in the several pursuits and professions of life.*"

Based upon this broadened foundation, the special work of the State Agricultural College is the training of youth in those branches of learning which lie at the foundation of modern industrial pursuits. In accordance with the purposes of its founders, and the terms of its original charter, it aims to give special and prominent attention to agriculture, both theoretical and experimental; but it also provides "a liberal and practical education," in the leading branches of mathematical, natural and physical sciences, in order to prepare youth "for the several pursuits and professions of life." It has increased its subjects and courses of study, and its teaching and illustrative equipment, to such an extent that now, "without excluding classical studies," its leading object is to teach the various sciences in such a manner as to show their applications in the more important industries, to combine with every branch of instruction such an amount of actual practice in the shop, the field, and the laboratory as will serve to illustrate and apply the theory, but without subordinating it. The course of study, as now arranged, conforms very closely to the recommendations of the *Association of American Agricultural Colleges and Experiment Stations.* The range of its work in this direction is shown, as far as the limits of space will allow, in the following descriptive statements and schedule. It is confidently believed that few institutions in the country furnish opportunities for obtaining advanced scientific education to an equal extent and thoroughness at so moderate a cost and with so many incidental advantages.

LOCATION.

The State Agricultural College is located at Corvallis, Ore., near the head of navigation on the Willamette river. The city, as its name indicates, is in the heart of this beautiful valley. To the east, in the distant horizon, may be seen the Cascades, with their snow-capped peaks, while to the west, and near at hand. is the Coast range. Mary's Peak, the tallest in the range, for several months of the year is covered with snow, and, though twenty miles away, adds beauty to the scene.

Corvallis is located on high ground, is healthful, and has not been visited by any dangerous, epidemic diseases. It is accessible by rail from the east, west, north and south.

POSTOFFICE, EXPRESS AND TELEPHONE COMPANIES.

The postoffice address is Corvallis, Benton Co.. Oregon. The Pacific Postal and Western Union Telegraph Companies, and Wells, Fargo & Company's Express have offices in Corvallis.

CAMPUS AND FARM.

The college grounds comprise 198.91 acres. Of this a tract of 35 acres in the immediate vicinity of the main buildings constitutes the campus. This is tastefully laid out and adorned with trees, shrubbery, flower gardens, walks, and drives, and it is intended to have all of the native trees and shrubbery of the state represented on these grounds. On the campus are the grounds for military drill, base ball, foot ball, lawn tennis, bicycle track and general athletics. The college farm consists of about one hundred and fifty five acres, and is near the main college building. The farm is provided with barns, silos, piggery, tool house, implements and stock, sufficient for the purpose of practical instruction in agriculture. One hundred acres of the farm are devoted to a variety of farm crops, grass plats, orchards, berry and vegetable plats, illustrative of the studies and experiments in agriculture and horticulture.

MAIN BUILDING.

The main College building stands on a pleasant elevation at the western side of Corvallis, and is a large substantial brick structure. This building contains many class rooms, chemical, botanical and entomological laboratories, library, chapel, museum, and offices for the President, Dean, and Clerk of the College.

CHEMISTRY BUILDING.

This very neat building is located to the south of, and quite near, the main college building, and contains the station chemical laboratory, students' laboratory, and office of the station and college Chemist. The equipment of the department of chemistry is one of the most complete on the Coast.

NEW GYMNASIUM AND ARMORY.

South of the Chemical Laboratory may be seen the very substantial structure of the Gymnasium and Armory, a building 70 x 120 feet, built of wood and stone. The main hall is used for commencement purposes. The basement, 12 feet high in the clear, contains the bowling alley, physical culture rooms for men and women, commandant's quarters, etc.

The Gymnasium, which is 20 feet to the under side of the trusses, has an unobstructed floor area of 8000 square feet. It is encircled by a suspended gallery six feet wide. A stage, with dressing room for men and women, occupies the east end of the hall.

During the winter months this spacious building serves as a drill hall for the cadets.

HORTICULTURAL HALL AND BACTERIOLOGICAL LABORATORY.

This building stands north of the main building, and contains a class room and laboratory for the department of Horticulture, and the office and operating rooms of the Photo-micrographer of the station.

This building is surrounded by the greenhouses where floriculture is taught and practiced.

POWER HOUSE.

To the west of the main building is located the Power House, a roomy, one story brick structure containing, in the north wing, one forty-five horse power engine with two electric generators of one hundred and twenty-five volts each, furnishing light for all the principal buildings, including the armory and the dormitories, as well as power for Morrill Hall. The south wing, with cement floor, is all one large blacksmith shop enclosing twenty forges for the use of students taking the Mechanical and Agricultural Courses.

MECHANICAL HALL.

One of the most substantial, as well as elegant, structures on the campus is Mechanical Hall, recently finished. With its solid stone walls and galvanized iron roof it is constructed as nearly fireproof as modern architecture can make it.

On the first floor are found the Machine Shops, the Printing Office, the Physical Laboratory and various recitation rooms; while the rooms in the upper story are occupied by the departments of Mechanical and Freehand Drawing. Branches of the Household Science department: Dressmaking and Millinery are also installed here.

The power furnished for the machinery in this building is electricity from the power house—200 yards to the west.

DAIRY.

The Dairy Building is located west of the young ladies' hall, and contains a complete system of apparatus for giving practical instruction in its line of work. It also contains the office of the Dairy Instructor.

BOARDING HALLS, AND COST OF LIVING.

The Women's Hall, under the control of Prof. Margaret C. Snell, M. D., of the Department of Household Science and Hygiene, is a cheerful and delightful home for the young women students.

The building is provided with the necessary furniture, water, and electric light, and contains accommodations sufficient for about thirty young ladies.

CAUTHORN HALL, OR YOUNG MEN'S HALL.

This is a large and comfortable building, four stories high, well provided with water, steam heat, and electric lights.

The dining room, kitchen, and club rooms of this building are commodious, pleasant, and well furnished. There is room sufficient to accommodate about one hundred students.

SOCIAL LIFE OF THE STUDENTS.

The various literary societies of the college give socials during each term, which are usually attended by members of the Faculty. Class parties are also given at various times during the year. These evenings are enlivened by music and literary exercises and form a pleasant feature of the student's social life.

These social affairs, although under the direction of a committee of the Faculty, are managed by the students, who thereby acquire a training in social ways and life that is always of great value to them.

COURSES OF STUDY.

The courses offered at the College are arranged under four general heads—Agriculture, Mechanics, Household Science and Pharmacy. All of these courses require a general training in Mathematics, History, English, Elocution and Drawing.

Graduation requires four years of College work. The studies for the first three years are compulsory; but a large part of the Senior year work is elective. The plan of the course is arranged in this manner in order that the student may be allowed to devote the greater part of his last year's work to intensify in some special line.

In the Agricultural Course the student may select his last year's work in Horticulture, Dairy Work, or General Agriculture.

In the Household Science Course the young ladies may select Dressmaking, Cooking, Economy and Chemistry of Foods, or Floriculture.

The Mechanical Course offers elective Mechanical Drawing, Woodwork, Ironwork, Mechanical or Electrical Engineering.

Prescription Work, Quantitative, and Pharmaceutical Analysis largely fill out the last year in the Pharmacy Course.

GRADUATE WORK.

Opportunity is offered to students to continue their work after graduation, a course for advanced degrees having been established by the Board of Regents. The conditions and requirements of this course are set forth on page 25 of this catalogue.

EXPERIMENT STATION.

This Station with all of its scientific equipments is located at the College, and the professors of the College are members of the station staff. The students at the College may have the benefit of the experiments carried on at the station as well as of all the literature of scientific work in the station library.

Courses of Study.

THE COURSE IN AGRICULTURE.

A Four-year Course Leading to the Degree of Bachelor of Science.

FRESHMAN YEAR.

First Term.

Algebra, A, 5.
English, A, 5.
General History, A, 5.
Freehand Drawing,* A, 5.
Woodwork, A, 5.
Military Drill, A. 3.

Second Term.

Algebra, A, 5.
English, B, 5.
General History,* B, 5.
Elocution, A, 2.
Freehand Drawing, A, 3.
Woodwork, A, 5.
Military Dill, B, 3.

Third Term.

Algebra, A, 5.
English, C, 5.
Structural and Systematic Botany, A, 5.
Breeds of Stock,* A, 5.
Elocution, B, 2.
Practicum in Horticulture, A, 3.
Military Drill, C, 3.

SOPHOMORE YEAR.

First Term.

Geometry, B, 5.
Rhetoric, D, 5.
Economic Botany,* B, 5.
Dairying, B, 2½.
Drainage, C, 2½.
Practicum in Agriculture, D, 2½; Farm Accounts, 2½.
Military Drill, D, 3.

Second Term.

Geometry, B, 5
Chemistry, Non-Metals, A, 6.
Rhetoric, E, 4.
Biology,* A, 6.
Blacksmithing, D, 4.
Military Drill, D, 3.

Third Term.

Trigonometry, C, 5.
Chemistry, Metals, B, 7½.
English Literature,* F, 5.
Soils and Manures, E, 5.
Blacksmithing, E, 2½.
Military Drill, F, 3.

JUNIOR YEAR.

First Term.

English Literature, G, 5.
Zoölogy, B, 7½.
Qualitative Analysis, C, 7½.
Practical Work in Dairying,* F 5.
Military Drill, G, 1½.
Military Science, H, 1½.
Elective: Blacksmithing, D, 5.

Second Term.

Plant Physiology, C, 4.
Horticulture, B, 4.
Physics, L, 6.
Physiology, C, 6.
Agricultural Chemistry,* E, 4.
Military Science, I, 3.

Third Term.

Surveying,* F, 6.
Physics, L, 7½.
Stock Feeding and Breeding, G, 4.
Entomology, D, 7½.
Military Drill, J, 3.

SENIOR YEAR.

First Term.

Required studies.
- Economics, B, 5.
- French, German or Latin, G, 5.
- Military Drill, K, 3.

Elect one
- Meteorology, H, 3; and Physical Lab., 6.
- Analytial Chemistry, F, 9.

PRACTICUMS.

Elect one
- Agriculture, 6.
- Horticulture, 6.
- Botany, E, 6.
- Biology, 6.

Second Term.

Required studies.
- Psychology, C, 5.
- French, German, or Latin, G, 4.
- Elocution, D, 2.
- Military Science, L, 3.

Elect one
- Forestry, D, 5.
- Veterinary Science, I, 5.
- Analytical Chemistry, F, 10.

PRACTICUMS.

Elect one
- Agriculture, 6.
- Horticulture, 6.
- Botany, F, 6.
- Biology, 6.

Third Term.

Required studies.
- Civics, E, 5.
- French, German, or Latin, G, 5.
- Military Science, M, 3.

Elect one
- American Literature H, 5,
- Agricultural Engineering, K, 2½, and Road-making, K, 2½
- Veterinary Science, J, 5.
- Plant Breeding, D, 2½; Landscape Gardening, D, 2½.
- Geology, M, 5,
- Analytical Chemistry, F, 10.

PRACTICUMS.

Elect one
- Agriculture, 8,
- Horticulture, 8,
- Botany, G, 8,
- Biology, 8.

NOTE.—In lieu of studies marked with an *, Latin, French or German may be substituted for that particular term in any of the three courses.

MECHANICAL COURSE.

A Four-year Course Leading to the Degree of Bachelor of Science.

FRESHMAN YEAR.

First Term.

Algebra, A, 5.
English, A, 5.
General History, A, 5.
Freehand Drawing,* A, 5.
Woodwork, A, 5.
Military Drill, A, 3.

Second Term.

Algebra, A, 5.
English, B, 5.
General History,* B, 5.
Elocution, A, 2.
Freehand Drawing, A, 3.
Woodwork, A, 5.
Military Drill, B, 3.

Third Term.

Algebra, A, 5.
English, C, 5.
Freehand Drawing,* A, 5.
Elocution, B, 2.
Woodwork, A, 5.
Military Drill, C, 3.

SOPHOMORE YEAR.

First Term.

Geometry, B, 5.
Rhetoric, D, 5.
Mechanical Drawing, D, 5.
Blacksmithing,* E, 5.
Shop Accounts, 2½.
Military Drill, D, 3.

Second Term.

Geometry, B, 5.
Chemistry, Non-Metals, A, 6.
Rhetoric, E, 4.
Mechanical Drawing,* D, 5.
Blacksmithing, E, 5.
Military Drill, E, 3

Third Term.

Trigonometry, C, 5,
English Literature,* F, 5.
Chemistry, Metals, B, 7½.
Mechanical Drawing, D, 5.
Blacksmithing, E, 2½.
Military Drill, F, 3.

JUNIOR YEAR.

First Term.

English Literature, G, 5.
Mechanism, I, 5.
Analytical Geometry, D, 5.
Descriptive Geometry,* J, 5.
Shop-work, K, 5.
Military Drill, G, 1½.
Military Science, H, 1½.

Second Term.

Physiology, C, 6.
Physics, L, 6.
Descriptive Geometry,* J, 3.
Analytical Geometry, D, 2½.
Calculus, E, 2½.
Machine Shop, N, 5.
Military Science, I, 3.

Third Term.

Calculus, E, 5.
Physics, L, 7½.
Steam Engines and Boilers, P, 4.
Civics,* E, 5.
Machine Shop, N, 4.
Military Drill, K, 3.

SENIOR YEAR.

MECHANICAL COURSE.—First Term.

Required studies:
- Economics, B, 5.
- Mechanics of Engineering, R, 5.
- Thermodynamics, S, 2
- Physical Laboratory, T, 6.
- Military Drill, K, 3.

Electives:
- French, German, or Latin, G, 5.

ELECTRICAL COURSE.—First Term.

Required studies:
- Economics, B, 5.
- Mechanics of Engineering, R, 5.
- Electricity and Magnetism, X, 7.
- Physical Laboratory, T, 6.
- Military Drill, K, 3.

Electives:
- French, German, or Latin, G, 5.

PRACTICUMS:

Elect one:
- Woodwork, 5.
- Ironwork, 5.
- Mechanical Drawing, 5.

Second Term.

Required studies.
- Psychology, C, 5.
- Elocution, D, 2.
- Machine Design, W, 3.
- Mechanics of Engineering, 5.
- Military Science, L, 3.

Electives
- French, German, or Latin, G, 5,

PRACTICUMS:

Elect one
- Woodwork, 5.
- Ironwork, 5.
- Mechanical Drawing, 5.

Third Term.

Required studies.
- Strength of Materials, 2½.
- Hydraulics, V, 2½.
- Machine Design, W, 5.
- Military Drill, N, 3,

Elect one
- French, German, or Latin, G, 5.
- American Literature H, 5.
- Surveying, F, 6.

Second Term.

Required studies.
- Psychology, C, 5.
- Elocution, D, 2.
- Machine Design, W, 3.
- Mechanics of Engineering, 5.
- Electricity and Magnetism, X, 7.
- Military Science, L, 3.

Electives
- French, German, or Latin, G, 5.

Third Term.

Required studies.
- Strength of Materials, U, 2½.
- Hydraulics, V, 2½.
- Machine Design, W, 5.
- Electricity and Magnetism, X, 7.
- Military Drill, M, 3.

Electives
- French, German, or Latin, G, 5.
- American Literature, H, 5.
- Surveying, F, 6.

PRACTICUMS: Woodwork, 5. Ironwork, 5. Mechanical Drawing, 5. Elect one.

NOTE.—In lieu of studies marked with an *, Latin, French or German may be substituted for that particular term in any of the three courses.

COURSE IN HOUSEHOLD SCIENCE.

A Four-year Course Leading to the Degree of Bachelor of Science.

FRESHMAN YEAR.

First Term

- Algebra, A, 5.
- English, A, 5.
- General History, A, 5.
- Freehand Drawing,* A, 5.
- General Hygiene, B, 1.
- Sewing, B, 4.
- Physical Culture, C, 3.

Second Term.

- Algebra, A, 5.
- English, B, 5.
- General History,* B, 5.
- Elocution, A, 2.
- Freehand Drawing, A, 3.
- Etiquette, B, 1.
- Sewing, B, 4.
- Physical Culture, C, 3.

Third Term.

- Algebra, A, 5.
- English, C, 5.
- Structural and Systematic Botany, A, 5.
- Freehand Drawing,* A, 5.
- Elocution, B, 2.
- Sewing, B, 5.

SOPHOMORE YEAR.

First Term.

Geometry, B, 5.
Elocution, C, 2½.
Economic Botany,* B, 5.
Rhetoric, D, 5.
Dress-making, H, 5.
Household Accounts, 2½.
Physical Culture, C, 3.

Second Term.

Geometry, B, 5.
Modern History, C, 5.
Chemistry, Non-Metals, A, 6.
Rhetoric, E, 4.
Biology,* A, 6.
Physical Culture, C, 2.

Third Term.

English Literature,* F, 5.
Dressmaking, H, 10.
Chemistry, Metals, B, 7½.
Dairying, F, 2½.
Ancient History, D, 2½.

JUNIOR YEAR.

First Term.

English Literature, G, 5.
Chemistry, C, and D, 7½.
French, German, or Latin, F, 5.
Zoölogy, B, 7½.
Canning of Fruit, M, 3.

Second Term.

Floriculture, C, 5.
French, German, or Latin, F, 5,
Physiology, C, 6.
History of Civilization, H, 5.
Cookery, M, 3.
Physical Culture, C, 3.

Third Term.

American Literature, H, 5, or Trigonometry, C, 5.
French, German, or Latin, F, 5.
Entomology, D, 7½.
Civics, E, 5.
Cookery, M, 3.

SENIOR YEAR.

First Term.

Required studies.
- Economics, B, 5.
- Special Hygiene, R, 1.
- Aesthetics, R, 4.
- French, German, or Latin, G, 5.
- Needlework, S, 5.

Elect one
- Meteorology, G, 2; and Landscape Gardening, D, 3,
- Chemistry of Foods, G, 5.
- Biology, E, 6.
- Botany, E, 6.

Second Term.

Required studies.
- Psychology, C, 5.
- Elocution, D, 2.
- French, German, or Latin, G, 5,
- Sanitary Science, R, 1.
- Aesthetics, R, 4.

Elect one
- Physics, L, 7½.
- Chemistry of Foods, G, 10.
- Biology, F, 10.
- Botany, F, 6.

Third Term.

Required studies.
- Home Furnishing, V, 1.
- Emergency Lectures, V, 1.
- French, German, or Latin, G, 5.

Elect two
- Physics, L, 7½.
- Geology, M, 5.
- Advanced Drawing, B, 10,
- Chemistry of Foods, G, 10.
- Biology, G, 10.
- Botany, G, 8.

NOTE.—In lieu of studies marked with an *, Latin, French or German may be substituted for that particular term in any of the three courses.

PHARMACY.

A course in pharmacy, covering a period of four years, is offered as follows:

During the first two years the students of this course enter the regular classes as prescribed in the following outline:

English, A, B, C, D, E, F; Mathematics, A, B, C; History, A, D; Latin, A, B, C, H; Science, Biology, A; Botany, A; Vertebrate Anatomy, B; Physiology, C; Chemistry, A and B.

In the Junior and Senior years the students specialize their work, devoting their time exclusively to those studies having immediate application to pharmacy in accordance with the following schedule:

JUNIOR YEAR.

SUBJECT.	No. hours Recitation.	No. hours Laboratory
Pharmacy	52	174
Pharmacognosy		52
Nomenclature	12	
Therapeutics	24	
Inorganic Qualitative Analysis	12	168
Organic Chemistry	20	
Inorganic Preparations		120
Physics. See general catalogue	66	92
Physiological Botany	*60	

SENIOR YEAR.

SUBJECT.	No. hours Recitation.	No. hours Laboratory
Therapeutics	36	
Pharmacognosy		36
Materia Medica	78	
Operative Pharmacy	36	108
Prescription Work	26	108
Quantitative Analysis	12	108
Urinalysis		40
Pharmaceutical Analysis		*300

*Recitation and Laboratory.

Advanced Degrees.

Advanced degrees will be given to graduates of this College, or similar, approved colleges, upon the following conditions:—

A candidate for higher degrees must present himself for examination in one major and at least one minor study (the major and minor must be taken in different departments and must have been previously approved by the Faculty); he must also prepare a thesis, based upon original research, which shows scholarly acquirements of a high order. This thesis must be printed or typewritten and bound, and three copies of it left in the College archives. The candidate must spend at least two academic years, or their equivalents, as a resident student at this College in preparing for this degree.

Three advanced degrees are offered as follows:—

1. *Master of Science.*—Courses of study leading to the degree of Master of Science are provided for in the following departments: Agriculture, Botany, Chemistry, Economics, Horticulture, and Zoölogy. A major and a minor study may be selected from courses in any two of these departments; or the minor may be one of the Modern Languages, or from the departments of Mathematics or Physics, or History.

2. *Mechanical Engineer.*—Candidates for the degree of Mechanical Engineer must be graduates of the department of Mechanics of this College or of a similar department of an approved college. A course in mechanical engineering or electrical engineering, must be selected for the major study; for the minor, a course may be selected from the departments of Mathematics, Chemistry, Physics, Economics, or Modern Languages.

3. *Master of Household Science.*—Graduates of the department of Household Science of this or similar, approved institutions may, for the degree of Master of Household Science, select for a major any course given in the department of Household Science, and for a minor a course in any department in which a minor for the degree of Master of Science is offered.

Departments of Instruction.

Mental and Political Science.

PRESIDENT THOMAS M. GATCH, A. M., PH. D.

Economics.—Course B.—During the first part of the term our aim is to familiarize the student with the principles of the science. The last part of the term is devoted principally to debates, informal discussions and theme work. Our library is well supplied with reference books in this department. Students are encouraged in original investigation. The labor question, socialism, taxation, money and tariff receive attention.

Laughlin's Elements. *Five hours a week during the first term.* Senior year.

Psychology.—Course C.—This study presupposes a considerable acquaintance with the structure and functions of the brain and nervous system. Students acquire this knowledge in the laboratory under the direction of the professor of Natural History. The intellectual faculties, the sensibilities and the will are carefully studied; the various schools of philosophy are criticised and compared and themes are often required from members of the class.

Halleck. *Five hours a week during the second term.* Senior year.

COURSE H.—*History of Civilization* is the subject studied in this course during the winter term of the Junior year. Here the growth of constitutional government, expansion of education, art and industries, movement of population and kindred subjects are discussed and compared. Lectures are delivered, and much original work demanded.

History and Modern Languages.

F. BERCHTOLD, A. M., Dean of College.

The study of History is begun in the Freshman Year with Myers' General History as a guide.

The class report for recitations in divisions of about thirty each, which enables the instructor to devote more attention to each individual student.

Although using Myers' History as a quasi guide, it has been our practice to give each student independent work, as much as possible, and then to subject such research to unreserved criticism and freest discussion in the class-room. This encourages originality, the mind gains power, courage, becomes keen and able to sift the essential from the nonessential. From his constant contact with concrete materials, matter outside of his textbook, he acquires the rarest of qualities—historic sympathy.

COURSE A.—*Greek and Roman History* is studied in the Freshman year, during the Fall term. Five hours a week.

COURSE B.—*Mediæval History.*—A study of the social and political institutions from the fifth to the fifteenth centuries. Five hours a week during the Winter term.

COURSE C.—*Modern History* is studied during the Winter term of the Sophomore year; five hours a week. In addition to the individual work of the student, as outlined above, lectures are given on the more important periods, viz., the Great Reformation, Thirty Years' War, English Reformation, the French Revolution, etc.

COURSE D.—*Ancient History.*—History of Eastern peoples.—A survey of the history of China and India. Religion, Arts and general culture of Egypt, Chaldæa, Assyria, Babylonia, Persia. Sophomore year; Spring term; five hours a week.

COURSE E—*Civics.*—Practical information is presented as to the rights and duties which attach to American citizenship. Constant care is taken to give reasons as well as justification for each power exercised by our Government, and to inculcate in every way the moral obligations of good citizenship.

Willoughby, "Rights and Duties of American Citizenship." Five hours a week. Spring term, Junior year.

The College is well supplied with wall maps, and charts, and there is quite a good working library of historical reference books.

MODERN LANGUAGES.

Of the Modern Languages German and French are offered to the Junior and Senior years of the Household Science course, and to the Seniors of the Agricultural course. Students in the Mechanical course may elect either of the two.

GERMAN.—Course F.—*Elementary German.*—Collar's Eysenbach—German Grammar; translation of easy prose and poetry as contained in Hewett's German Reader. Composition. Throughout the Junior year.

COURSE G.—*Advanced German.*—Hauff's Das Kalte Herz, Fouque's Undine, Heyse's Anfang und Ende, Schiller's Wilhelm Tell; Maria Stuart; Das Lied von der Glocke. Eysenbach's Grammar continued and reviewed. Composition; Syntax. Throughout the Senior year.

FRENCH.—Course F.—*Elementary French.*—Charles F. Kraeh's Preparatory Course in French. French composition. Super's French Reader. Xavier de Maistre's Les Prisonniers du Caucase. Fleury's L'Histoire de France.

COURSE G.—*Advanced French.*—Daudet's La Nivernaise; Erckmann—Chatrian's Le Conscrit de 1813. Souvestre's Un Philosophe Sous les Toits. Victor Hugo's Quatrevingt-Treize. Kraeh's French Grammar continued. Syntax.

There will be sight reading in both German and French.

AGRICULTURE.

JAMES WITHYCOMBE, V. S., Vice-Director and Professor of Agriculture.

F. L. KENT, B. Agr., Assistant Professor in Agriculture.

MARION WOOD, B. S. A., Foreman.

This course is designed to prepare young men for practical Agriculture, and extends through the Freshman, Sophomore, Junior and Senior years, leading to the degree of Bachelor of Science.

FRESHMAN YEAR—Course A.—History, characteristics, and adaptation of the different breeds of domestic animals.

SOPHOMORE YEAR.—Course B.—The study of the general principles of drainage; laying out and construction of farm drains; the effects of drainage upon the chemical and physical conditions of the soil.

Course C.—Theoretical Dairying will be taught in the class-room, one hour each day. Instruction will be given by use of text-book and lectures.

Course D.—Consists of practical instruction in the laying out and construction of tile drains.

Course E.—The origin and formation of soils; soil tillage; management and application of manures; green manuring; organic and mineral manures; soil exhaustion; rotation of crops, and methods of improving worn-out soils.

Course F.—Practical work in the dairy for Household Science students.

JUNIOR YEAR—Course F.—Practical work in the dairy for Agricultural students.

Course G.—Stock Feeding and Breeding. Stock Feeding covers the subject of rations for milk and meat production; how best balanced for economical feeding. Stock Breeding covers the subjects of atavism, heredity, in-and-in-breeding, variation, prepotency and care of breeding animals. Opportunity is given for judging and scoring of live stock, and for studying the essential points of breeds adapted to different purposes.

SENIOR YEAR—Course I.—Veterinary Science will be taught by lectures covering the anatomy of the horse, and taking up the diseases most common to domestic animals, giving causes, symptoms, and treatment for the same. Special stress is placed upon proper treatment to prevent disease in domestic animals.

Course J.—Continuation of veterinary science.

Course K.—Agricultural Engineering. This branch will cover the location of farm buildings, arrangement of fields, and plans for construction of fences, gates and buildings.

Instruction is given largely by lectures, suitable books being selected for reference. Miles' book on drainage. Curtis' "Horses, Cattle, Sheep, and Swine." Warfields "Cattle Breeding," Stewart's "Stock Feeding." Gurler's book on "Practical Dairying." "Soil" by King. "Fertility of Soil" by I. P. Roberts.

The College and Station farm consists of 180 acress, 140 of which are devoted to farm crops, pasture, and experimental purposes. The farm is equipped with dairy building, horse-barn, cattle-barn, silos, piggery, tool-house, etc.

Opportunities are given on the farm for practical work in agriculture in connection with the instruction given in the class-room. A large portion of the work on the farm is done by students. During the first and second years, students taking the agricultural course are required to work in the mechanical shops, except the first term of each year when they will be given practical instruction in horticulture and agriculture. In agriculture will be included instruction in seeding, care of stock, plowing, harrowing, drainage and care of farm implements.

While all students in this course are required to perform more or less practical work on the farm, special effort is made to furnish work to those who show a faithful compliance with the regulations of the Institution, and who need pecuniary assistance.

Students laboring on the farm and in gardens, receive pay at the rate of 10 cents per hour. Only comparatively few persons can be so employed, as the amount of work to be done is limited. Those only who by their work prove to be valuable laborers will be retained.

DAIRYING.

One of the purposes of the State Agricultural College is to advance the business industries of the state. It is believed that dairying is one of the most important lines of work that can now be undertaken in Oregon. There is now a large body of land in the state which is especially adapted to this industry. For this reason dairying has been introduced as a branch of study in the agricultural course. A new building has been prepared for this department and it is fitted up with all the necessary machinery for carrying on the work in the most approved way. An expert is in charge of this department.

All students in the Agricultural department will be required to study dairying not only as a science but as an art. Those taking the Household Science course will have the same opportunities as the Agricultural students.

This is a line of practical work which, it is believed, will prove of great advantage both to the student and to the state.

The practical instruction includes both butter and cheese making.

A short course has been provided, as described elsewhere in this catalogue, whereby practical instruction in dairying may be obtained by those who can not avail themselves of a college course.

Mechanical and Electrical Engineering.

GRANT A. COVELL, M. E., Professor.
E. C. HAYWARD, E. E., Assistant.
D. W. PRICHARD, Instructor in Woodwork.
M. CLYDE PHILLIPS, B. M. E., Instructor in Ironwork.

Students in this department are allowed to choose either the course in Mechanical Engineering or the course in Electrical Engineering. Each course leads to the degree of Bachelor of Science, and the two courses are identical until the beginning of the Senior year.

The course in Mechanical Engineering is intended especially for young men who expect to enter an industrial vocation and for those who are already, or expect to be, connected with some of the manufacturing establishments of the country.

The course in Electrical Engineering is designed to meet the needs of those who desire to turn their attention towards electrical science, such as the design, installation and management of electric light and power plants, etc.

The following is an outline of the work in this Department:

1. SHOP WORK.—(A) *Wood-working*, including carpentry, joinery and wood-turning, also the care and use of tools, 5 hours per week. Freshmen in the Mechanical course take three terms; those in the Agricultural course take two terms. *An elective course in Wood-working* for Seniors who desire to specialize in this branch, 5 hours per week during the year. In this course special attention will be given to the care and management of Wood-working machines. (E) BLACKSMITHING, including forging, welding and tool-making, 5 hours per week. Sophomores in the Mechanical course take three terms; those in the Agricul-

tural course take two terms. One term of this work is also elective for Juniors in the Agricultural course. (K) MACHINE SHOP WORK, including both hand and machine work, 5 hours per week throughout the year. Required of Juniors, and elective for Seniors in the Mechanical course.

2. MECHANICAL DRAWING—(D) A course in mechanical drawing, beginning with geometrical problems and projections, 5 hours per week during first term, and 5 hours per week during second and third terms. Required of Sophomores in the Mechanical course. A course of more advanced drawing, elective for Seniors throughout the year, 5 hours per week.

3. (J) A course in Descriptive Geometry, 5 hours per week during the first term of the Junior year, and three hours per week during the second term. The work is largely drawing, supplemented by lectures and recitations.

4. MECHANISM.—(I) Elementary Mechanism, during the Fall term of the Junior year, 5 recitations per week.

5. MACHINE DESIGN.—(W) A course in which the principles developed in Course I are applied to the design of parts of machines. Required of Seniors, 3 hours per week during the Winter term, and 5 hours per week during the Spring term.

6. STEAM ENGINES AND BOILERS.—(P) A study of the construction, care, and operation of steam engines and boilers; recitations and lectures, 4 hours per week during the third term of the Junior year. (S) THERMODYNAMICS.—The steam engine. considered as a heat engine, 2 hours per week. Required of Seniors in Mechanical Engineering during the first term.

7. MECHANICS.—A course in applied mechanics, extending throughout the Senior year. The sub-divisions are: (R) Mechanics of Engineering, (U) Strength of Materials, and (V) Hydraulics. Recitations and lectures, 5 hours per week.

The textbooks used are: Wells' Engineering Drawing and Design; Stahl and Wood's Elementary Mechanism; MacCord's Descriptive Geometry, Smith's Machine Design; Kinnealy's Steam Engines and Boilers, Wright's Mechanics, and Merriman's Strength of Materials.

The shops are well equipped with tools and machinery from the best makers in the country; the idea being not only to have the shops well supplied with the necessary tools but also to make each shop a model as regards quality and systematic arrangement.

The uses of the various tools in the shop are taught by a series of exercise pieces which the student is required to make. After completing the exercises, the regular work consists in building and repairing machinery in the machine shop, mending farm implements, and making tools in the blacksmith shop, and other useful articles in the wood shop. So far as possible, all work in the shops is executed from drawings and blue prints, which must be followed accurately.

In the drafting room the student begins with linear drawing and follows a progressive course until he is able to make complete working drawings of whole machines, and finally he is encouraged to produce designs of his own and to make complete drawings and blue prints of them.

The scientific principles involved in machines and mechanical movements are taught in the class-room, as well as the application of mathematics to problems in mechanical engineering. The student is required to solve original problems and to depend upon his own judgment and ingenuity as far as possible.

PHYSICS.

8. ELEMENTARY PHYSICS.—(L) This course includes recitations, alternating with laboratory practice, 6 hours per week during the second term of the Junior year, and 7½ hours during the third term. Required of Juniors in the Agricultural and Mechanical courses.

This course is also elective for Seniors in the Household Science course during the second and third terms.

9. (T) A LABORATORY COURSE, offering more advanced work for Seniors in the Mechanical course, 6 hours per week during the first term.

Textbooks: Carhart and Chute, and Chute's Laboratory Manual.

10. (X) ELECTRICITY AND MAGNETISM.—Lectures, recitations and laboratory work, 7 hours a week throughout the year. Dealing with the theory of Electricity and Magnetism and its application to measurements used in engineering work. Open to students who have completed Course L in Physics.

COURSE IN ENGLISH.

J. B. HORNER, A. M., Litt. D.
MRS. IDA B. CALLAHAN, B. S.,

FRESHMAN YEAR.

General hints as to margins, paragraphing, punctuation, capitalization, and preparation of manuscripts; from one to five recitations according to attainments of class.

FIRST TERM.—Course A.—Orthography, Etymology, and Syntax; supplementary exercises.

SECOND TERM.—Course B.—Advanced Syntax, Diction, Capitalization, Punctuation, Orthography; supplementary exercises.

THIRD TERM.—Course C.—Clearness, Force, Elegance, Letter-writing, Figures of Speech, Word Analysis.

SOPHOMORE YEAR.

FIRST AND SECOND TERMS.—Courses D and E.—Textbooks: Genung's Practical Rhetoric and Rhetorical Analysis.

THIRD TERM.—Course F.—Theme-work.

JUNIOR YEAR.

FIRST AND SECOND TERMS.—Courses G and H.—Kellogg's English Literature; supplementary work from College library.

THIRD TERM.—Course I.—Smyth's American Literature with selections from the College library. The Mechanical and Agricultural students of the Senior class may elect to take during this term the work assigned in Course I of the Department of English.

Mathematics and Engineering.

GORDON V. SKELTON, C. E., Professor.
CHARLES L. JOHNSON, B. S., Assistant.

The course in Mathematics includes such of its branches as the distinctive aims of this institution require, and conforms itself, in general, to that in use in the most successful Agricultural Colleges.

That the study may to the fullest extent strengthen and discipline the mind for connected, logical thought, thoroughness and accuracy are insisted upon at all times. In the class-room all principles and demonstrations must be presented in an orderly and logical manner. The constant aim is to cultivate the powers of insight, judgment, and origination.

In Pure Mathematics the course includes Algebra, Plain and Solid Geometry, Plain and Spherical Trigonometry, Analytical Geometry, and Differential and Integral Calculus; in Engineering, Surveying, Leveling and Road-making. In each of the Engineering studies, special attention is paid to the field work. The students themselves use the instruments, make the measurements, record the field-notes, then plat and work up the notes thus obtained from actual field practice. The data for a large number of the problems solved by the classes in Trigonometry are also obtained by the students themselves who use the mathematical instruments under the personal supervision of the instructor.

The text-books used are Wentworth's Algebra, Phillips and Fisher's Geometry, Wentworth's Trigonometry, Nichol's Analytics, Taylor's Calculus, Hodgman's Land Surveying, and Gilmore's Roads, Streets and Pavements.

The Engineering department is equipped with the necessary instruments, including a railroad compass, transit with solar attachment, plane-table, Y level, hand-level, rods, chains, tapes, etc.

Chemistry and Pharmacy.

G. W. SHAW, A. M., Ph. D., Professor.
JOHN F. FULTON, B. S., Assistant Professor.
C. M. MCKELLIPS, Ph. G., Ph. C., Instructor.

The study of Chemistry is begun in the second term of the Sophomore year.

A.— GENERAL INORGANIC CHEMISTRY.—*Non-metals.*—A daily exercise throughout the second term is devoted to recitation, lecture and laboratory practice. In this course special attention is given to the fundamental principles of the science, which are suitably illustrated either by experiments performed by the student in the laboratory, or, when too intricate and expensive of time, by the instructor before the class in the lecture room. The elements are discussed individually as well as their more important compounds.

The *practicum* of this course consists of a series of laboratory exercises dealing with the elements studied and is designed to introduce the student to chemical manipulation.

B.—The study of the metals is entered upon in the third term and is conducted similarly to the study of the non-metals. The more important metals are individually discussed under the following heads: history, occurrence in nature, properties, preparation, uses, tests, and compounds. Special attention is given to metals and their compounds which are of industrial importance.

The *laboratory work* of the third term consists of a study of the properties of the metals.

C.—QUALITATIVE ANALYSIS.—The student is required to apply and study the reactions involved in the ordinary methods of separation and identification of substances. The study includes the reactions, ordinarily used in qualitative analysis, but deals with only those substances usually met with in chemical work. The student repeatedly works through a scheme of separation in making qualitative analyses of unknown substances.

I. This course is intended to give practice in analyzing unknown mixtures of acids and bases *with special reference to the*

needs of the pharmacist. The material used will be largely medicinal. Required only of students in pharmacy.

D.—ORGANIC CHEMISTRY.—This is a lecture course alternating with course C in the first term of Junior year. It is designed to show the relation between the more important carbon compounds, and to familiarize the student with the compounds of common life. It is based on a syllabus prepared for the purpose. Course D is required of all students in the agricultural, household science and the pharmacy departments.

E.—AGRICULTURAL CHEMISTRY.—This course deals with the more intimate relation of the science to agriculture. The subject is taught by lectures with reference to standard works. Such topics as soil composition; the elements essential to plant growth, lime, potash, phosphates, and nitrogenous compounds; the exhaustion of soils; the chemistry of cattle foods and nutrition; the chemistry of dairy and other food products, and their adulteration, will be treated as fully as time will permit. Open only to students who have completed courses A, B, and D. *5 hours per week.*

F.—QUANTITATIVE ANALYSIS.—The student is required to make the ordinary fundamental determinations of moisture, aluminum, calcium, magnesium, copper, lead, potash, sulfuric acid, phosphoric acid, chlorin, carbonic acid by gravimetric process; estimation by volumetric methods including alkalimetry, acidimetry, precipitation, and oxidation will be undertaken. The work is so planned as to familiarize the student with the standard gravimetric and volumetric methods. This is a required course for all pharmacy students and is elective for students who have completed courses A, B, and C. *10 hours per week.*

F.—CHEMISTRY OF FOODS.—An elective extending through the Senior year in the household science course. It is an expansion of the work in course D, but limited to a study of foods from a chemical and scientific standpoint.

GRADUATE ELECTIVES.

Elective work in Chemistry is offered as a major or a minor subject for two years to candidates for a Master's degree, as follows:

ADVANCED ANALYSIS.—This course is intended for those who may desire to specialize in chemical work. It provides a greater variety of analytical work than can be given in course F. It offers such work as the following: analysis of limestone (complete) coal, iron ores, milk, butter, cheese, water. urine sugar (both volumetric and polariscopic) as well as various minerals. A student desiring to investigate along any particular line, as mineral, sanitary, agricultural, may do so. This course is open as a major subject to students who have completed courses A, B, C and F. Others who may elect Chemistry as a major subject will be assigned work in accordance with their previous attainments in the subject. Students taking a major subject in another department, with a minor in Chemistry, or students from other institutions, will be assigned to such courses in the department as their previous training may justify.

With the above course in analysis *a parallel course of reading must be taken, upon which the student will be required to pass a satisfactory examination* at the end of the year. The work of the last two terms will be left largely to the student's choice, subject to the approval of the head of the department. and will serve as the basis for a graduation thesis.

GEOLOGY.

Geology is offered as *an elective for the third term of the Senior year* to students in both the agricultural and the household science courses.

The course opens with work designed to acquaint the student with the common rocks and minerals as to their physical characters and appearance. The geological and mineralogical cabinets offer abundant opportunity for the study of specimens. The remainder of the course consists in a study of the aqueous, atmospheric, igneous, and organic agents in the earth's history; the structure and arrangement of rocks and the order of succession of strata.

Pharmacy, Theoretical and Practical.

The student begins with the first principles of pharmacy and gradually advances to the more difficult topics. It is expected that he will become thoroughly acquainted with the correct

methods of compounding both simple and complex prescriptions and making the ordinary galenical preparations. Much attention is given throughout the course to the practical side of dispensing and the student receives much individual attention from the instructor and a large amount of practical experience in the dispensing laboratory which is under the immediate charge of an experienced pharmacist.

PHARMACY.—The various processes involved in the manufacture of pharmaceutical preparations will be subjected to systematic study. The various official and unofficial preparations will then be taken up and considered separately.

The laboratory work consists of practice in the application of the processes considered in the class room. Each student will make independently a sufficient number of preparations to insure a thorough understanding of the processes and manipulation involved. Recitations, 52 hours; Laboratory, 174 hours.

MATERIA MEDICA.—Chemical and pharmaceutical substances which find use in medicine are studied one by one as to source, Latin and English names, formula, compounds and preparations, properties, preservation, industrial and domestic use, impurities and adulteration, medicinal action, antidote and dose. Recitations, 78 hours.

PHARMACOGNOSY.—In this course is considered both the gross structure and characteristics of the crude drugs and chemicals. The student is taught the appearance, taste, color, odor, fracture and habitat of the various crude drugs, and also receives careful drill on their Latin and English names. The student has access to the specimens for study, and special effort is made to train the senses to the recognition of each of the drugs considered.

The pharmacognosy of the Senior year will consist in a thorough review of the work of the Junior year and practice in the recognition of powders, liquids, chemicals, and pharmaceutical preparations. Laboratory, Junior year, 52 hours; Senior year, 36 hours.

THERAPEUTICS AND DOSES.—The therapeutical uses of medicines will serve as a basis for classifying them in a manner which will facilitate study. The student also learns the quantities in which the various medicines may be administered.

In the Senior year the physiological uses and doses of the more important drugs and poisons will be taken up and discussed

in order. Special attention will be paid to the doses, effects and antidotes for the more important poisons. Recitations, Junior year, 24 hours; Senior year, 36 hours.

NOMENCLATURE.—A recitation course on the Latin titles of the Pharmacopœia, National Formulary, etc. Recitations, 12 hours.

OPERATIVE PHARMACY.—This course is a continuation of that in Pharmacy in the Junior year. It will include the preparations of the Pharmacopœia not considered in the Junior year. Attention is given to the more difficult galenical preparations and the newer classes of remedies, elegant preparations, toilet articles, etc.

A large amount of work is required in the manufacture of difficult galenical preparations; also cachets, soft capsules, compressed tablets, triturates, and toilet articles. Recitations, 36 hours; Laboratory, 108 hours.

PRESCRIPTION WORK.—The recitation work will consist of reading, interpreting, correcting, transposing, and calculating doses. Special attention will be given to incompatibilities and to the solubility of chemicals. Unsightly, dangerous and explosive mixtures will also be considered under this head.

In this laboratory course and that of operative pharmacy the student gains the experience for the prescription counter, learning the difficulties there met with and how best to overcome them. He also gains in manipulative skill in making extemporaneous preparations.

Each student is required to personally perform the operations under the direct supervision of the instructor. *The student works not from book prescriptions, but from prescriptions written in the ordinary practice of physicians and found on file in the drug stores.*

URINALYSIS.—A course in the chemical analysis of urine consisting of both a qualitative and a quantitative determination of ingredients in normal and pathological urine. Laboratory, 40 hours.

PHARMACEUTICAL ANALYSIS.—Under this head is taken up the separation, identification and determination of the active constituents of alkaloidal drugs; also the identification of the more important organic compounds. Recitations and Laboratory, 200 hours.

Special Lectures.

From time to time special lectures will be given on hygiene, pharmaceutical jurisprudence, etc.

State Examination and Registration.

At its meeting held on December 14, 1898, the Oregon State Pharmacy Board passed the following resolutions endorsing the course here offered:

WHEREAS, The Oregon State Agricultural College has established a course in Pharmacy and Chemistry that meets with the hearty approval of this Board, inasmuch as it offers a large proportion of practical work; therefore, be it

Resolved, That the Oregon State Board of Pharmacy acting in accordance with Sections 5 and 6 of the Oregon Pharmacy Law as amended, grant to students of the Oregon Agricultural College, who complete the full course and hold a diploma from said institution, after they shall have been subjected to such examination, at Corvallis Oregon, as this Board may approve, on the completion of the senior year, a certificate to act as a registered pharmacist in this State.

Provided, That any student who may have taken the last two years of the course only and who does not hold the regular diploma from the said institution, on passing the examination aforesaid shall only be granted the certificate of a registered assistant.

The training in the pharmaceutical course will be largely conducted in the laboratory for it is only by this means that the student can form an intimate personal acquaintance with the material and the best methods of manipulation. Thus it is that he receives systematic practice in dispensing, in the examination of drugs as to identity, purity, and strength, and in the manufacture of various preparations from crude drugs. The requirements of the U. S. Pharmacopœia are always kept in mind, and the student is always held strictly responsible for the purity of his preparations and the accuracy of his work. The course aims to teach students facts and principles of immediate use in the drug store, adapting the work to the needs of the practical pharmacist and manufacturing chemist. It is, however, further recognized that a thorough foundation must be laid for this work, and in view of this, two years of preparatory work are required in the college, or its equivalent in some other school. *Students who have had equivalent work elsewhere* can complete the course in pharmacy in two years.

Expenses.

Neither tuition nor incidental fees are charged at this institution, but to cover the cost of material used and wasted in the laboratories a small laboratory fee and a deposit for breakage will be charged in the chemical and pharmaceutical laboratories as is the custom in all institutions. *These fees are payable each term strictly in advance.*

Chemical Laboratory: Sophomore and Junior Years:

Material	$1.50
Deposit for breakage	1.50

Senior Year:

Material	$2.50
Deposit for breakage	1.00

Pharmaceutical Laboratory:

Material	$2.50
Deposit for breakage	1.00

Zoology, Entomology and Physiology.

A. B. CORDLEY, B. S., Professor.

Laboratory work is the basis of all instruction in this department. Textbooks, lectures and reference works are used as aids, but the aim is, so far as possible, to lead the students to base their conclusions upon observed facts. The department is well equipped with charts, models, skeletons, mounted and alcoholic specimens, etc., for illustrating the subjects taught; and is provided with an excellent laboratory equipment, consisting of individual tables, compound microscopes, dissecting instruments and other necessary appliances sufficient for twenty students.

1. *Elementary Zoology.*—Course A—Laboratory work with the lower forms of life. Required of students in Agricultural and Household Science courses. Spring term, Sophomore year, 7½ hours per week.

2. *Vertebrate Anatomy.*—Course B—A comparative study of several vertebrate types. This course is preparatory to the following term's work in Physiology and to the work in Veterinary Science. Required of students in Agricultural and Household Science courses. Winter term, Junior year, 7½ hours per week.

3. *Physiology and Hygiene.*—Course C—Experimental laboratory work, with lectures. Before taking this course students in the Agricultural and Household Science courses must have taken the courses in Elementary Zoology and in Vertebrate Anatomy, or furnish satisfactory evidence of having had equivalent instruction elsewhere. Required of students in all courses. Spring term, Junior year, 5 hours per week.

4. *Entomology.*—Course D—Laboratory work on structure of insects, with practice in collecting and mounting them. Lectures on injurious insects and insecticides. Required of students in Agricultural and Household Science courses. Fall term, Junior year, 7½ hours per week.

The following advanced courses are elective for those who have completed the preceding courses, or who have had equivalent instruction elsewhere. All students taking these courses will be expected to present an acceptable thesis on some subject pertaining to course elected, before graduating. The subjects for thesis work must be determined by consultation with the head of the department.

5. *Vertebrate Anatomy* (Morphology and Histology).—Laboratory work preparatory to a course in Medicine or Veterinary Science. Throughout the Senior year, 10 hours per week.

6. *Economic Zoology.*—Students electing this course will select some animal, or small group of animals, and study it, principally from the economic standpoint. Throughout the Senior year, 10 hours per week.

7. *Advanced Entomology.*—Students electing this course will select some particular insect, or group of insect pests, for their major work. Throughout the Senior year, 10 hours per week.

BOTANY.

E. R. LAKE, M. Sc., Professor.

Laboratory and field exercises are the chief features of the work of this department. Textbooks and reference books are used merely as guides, or for the purpose of furnishing suggestions to the student that he may be enabled to make his field, garden, greenhouse and laboratory work the more effective.

Course A—*Plant Elements.*—The study of the superficial structure and organs of flowering plants—gross anatomy. In the work of this course the student becomes familiar with the terms used in describing our common flowering plants and their various external parts. Laboratory and field work with daily recitations covering the observations made. Laboratory deposit, $3.00. Text, Gray's Lessons.

Course B—*Plant Histology.*—Laboratory work with the dissecting and compound microscopes. The exercises of this course cover the minute structure of the higher plants and their tissues, together with a brief consideration of the lower forms of plant life. Laboratory deposit, $3.00. Text, Barnes' Plant Life.

Course C—*Plant Physiology.*—The subject of this course is considered with special reference to the needs of the agriculturist and horticulturist and hence those phases that have particular bearing upon our cultivated crops are given the weight of the discussion. Laboratory fee, for breakage. Text, Sorauer, Physiology of Plants. Reference, Sachs, Strassburger.

Course D—*Plant Pathology and Hygiene.*—Laboratory and field work supplemented with lectures and recitations. The common fungous foes of the cultivated field, orchard and garden crops, together with the means of prevention and remedy are considered at some length. References, Lodeman, Weed and others.

Course E—*Forestry and Arboriculture.*—Forest areas and their type trees: Forest planting, preservation and laws. Trees. their care, culture, and products. Pacific coast forests and their importance as wealth producers.

Course F—*Plant Products.*—Economic plants and their preparations and uses. History, development, and distribution of the plants that furnish the world with its chief supply of material for food, shelter, clothing, fuel, medicine and the arts.

Course G—*Systematic or Cryptogamic Botany.*—The work of this course is arranged to meet the needs of those electing it. In the systematic work, the student is required to collect and arrange a century or more of the local flora together with ample data covering the habitat, manner of growth and distribution of the species.

In the cryptogamic work, the exercises are chiefly confined to a study of the comparative morphology and biology of the fungi, algæ and other flowerless forms of plant life.

The laboratory deposit in Courses A, B and C is a sum set aside to cover possible cost of loss or breakage of the apparatus used. At the close of the work of the course such balance as may remain, (and with careful use, that would be 5-6 of the deposit), is returned to the student.

HORTICULTURE.

E. R. LAKE, M. Sc., Professor.
GEORGE COOTE, Florist and Gardener.

Course A—*Plant Propagation.*—The student is given house and field exercises in seeding, grafting, cutting, layering and budding. Text, How to Propagate Plants.

Course B—*Plant Growing.*—The work of this course includes lectures and recitations on garden and orchard crops, including planting, cultivating, pruning, harvesting, storing and marketing our leading vegetables and fruits. Text, Bailey's Principles of Fruit Growing.

Course C—*Floriculture.*—This course covers the practical work in propagating and cultivating plants for window, greenhouse and outdoor decoration.

Course D—*Plant Improvement.*—Lectures and recitations covering the principles of plant breeding by selection and cross-fertilization. Text, Bailey's Plant Breeding.

Course E—*Landscape Gardening.*—Lectures and recitations on the principles of home improvement. Plants and their uses and abuses in adorning the grounds of city, suburban and country homes. Text, Maynard's Landscape Gardening.

Course F—*Plant Evolution.*—Lectures and recitations covering the various phases of evolution as pertaining especially to cultivated plants. Text, Bailey's Evolution of Native Fruits. Reference, Campbell's Evolution of Plants.

Household Science Course.

MISS MARGARET C. SNELL, M. D., Professor.
MRS. MARY AVERY, Assistant in Sewing Department.

Self interest, and public interest, make it apparent to every intelligent person how greatly in need are subjects pertaining to the home of being "touched to fine issues;" hence their introduction as studies into College Curriculums.

We have been reviled as "the most common schooled, and least cultivated, among all civilized nations," and this largely through our deplorable indifference to, and ignorance of, the common facts and necessities of life.

The home as we find it to-day has scant warrant that anything born of its teaching is worth while to impart, yet the problem grows of how to get better results, how to lessen the labor of farmers' wives, the washer-woman, the cook, the boarding-house keeper, the city missionary, the school teacher, the woman of fashion.

The solution requires something more than the knitting of the brow over theories; there must be actual testing of these theories by practice in the College laboratory, if they are to have value and permanence. The precious acquisitions of the scholar who *knows*, must be further supplemented by that of the artist who *does*.

HOUSEHOLD SCIENCE WORK.

FRESHMEN YEAR.—*First Term.*—Course B.—Four sewing lectures and practice work, one hour a day, on sewing samples. Here are acquired and strengthened those invisible impulses, industry, dexterity, patience, exactness.

Good health is acknowledged as one of the prime factors of success in life; lectures and talks on this important subject are not neglected. The amenities of home, and readings on kindred topics, give mental occupation to the sewing hour.

Second Term.—Course B.—Sewing continued; lectures and talks on Social Forms and Usages, the Art of Entertaining, readings on the Art of Conversation. Mahaffy.

Third Term.—Course B.—Sewing, the making of Simple Garments; Readings, Conversation.

SOPHOMORE YEAR.—Cleverness with scissors, tape line, and needle finds in dress-making, millinery, home furnishing, a large field for the application of art principles to the living, moving canvas of actual life.

The department of Dressmaking has been necessarily restricted for a few years through lack of funds to carry on this most important branch of domestic science as thoroughly as the needs of the Institution require. The work will proceed this year on a more scientific basis. Lectures will be given on the following subjects: The methods of manufacturing thread, cloths and other dressmaking material; Hygienic principles of dressmaking; study and sketching of drapery; history of costume, etc.

First Term—Draughting and making simple skirt, cutting, fitting and making lined waist from pattern; a study of the texture of goods, 5 hours.

Third Term—Draughting and making lined waists, matching stripes and plaids, study of woolen textiles, 10 hours.

JUNIOR YEAR—*First Term.*—Course M.—Cookery, (canning of fruits, one-half term). Three lectures. One hour a day practice work in the kitchen laboratory. Technological Cookery. Preparatory work in Chemistry of Foods. One-half term.

Second Term.—Course M.—Practice work in Cookery, 4 hours per week.

Third Term.—Course M.—Practice work in Cookery, 3 hours per week.

SENIOR YEAR—*First Term.*—Special Hygiene, Course R, 3 hours; Aesthetics, Course R, 4 hours; Needle Work, Course S, 5 hours.

Second Term.—Sanitary Science, Course R, 1 hour; Aesthetics, Course R, 4 hours.

Third Term.—Home Furnishing, Course V, 3 hours; Emergency Lectures, Course V, 1 hour.

Military Science and Tactics.

Cadet Major E. J. LEA, Instructor.

Instruction in this department is both theoretical and practical, and is required by the Act of Congress which contributed so large a part of the College endowment. All the students, not physically incapacitated from bearing arms, are required to take this course.

Theoretical instruction is given to the Senior and Junior classes and to all officers and non-commissioned officers of the college battalion. It includes recitation in infantry drill, the school of the soldier, company, and battalion, in close and extended order, guard duty, and a course of lectures on the duties of guards and sentinels, the army regulations, the organization and administration of the army, and the elementary principles of the art of war. The practical instruction consists in the daily drills in the school of the soldier, company, battalion, battalion ceremonies, battle tactics, and guard duty.

Textbooks: Infantry Drill Regulations, U. S. Army; Burnham's Duties of Outposts; Manual of Guard Duty, U. S. Army. Elements of Military Science—Wagner.

Experience has also demonstrated that the drill furnishes excellent physical culture, insures regular and healthful exercise, secures a graceful carriage and dignified bearing, and cultivates the habit of prompt obedience, self-control and the power to command.

The male students are organized into an infantry battalion consisting of three companies, and a military band of seventeen pieces. The cadet officers are selected for proficiency in soldierly attainments, good deportment, and scholarship. They are expected to be examples in military deportment and general good

conduct, and, when on duty, their orders are required to be obeyed. The exercise of military authority is, for the cadet officers, an excellent mental discipline.

The following are the officers of the military organization:

BATTALION STAFF.

Cadet First Lieutenant and Adjutant ..... N. R. Smith.
Cadet Sergeant Major..... C. A. Saunders.

COLOR GUARD.

Cadet Color Sergeant ..... Jas. Van Groos.
Cadet Color Corporals ..... R. Gilstrap, T. P. West.

COMPANIES.

Rank.	"A."	"B."	"C."
Cadet Captains	R. H. Howell	W. L. Patterson	H. A. Scoggin.
First Lieutenants	F. A. Edwards	J. F. Huffman	L. T. Powers.
Second Lieutenants	L. W. Murray	W. H. Beach	H. W. McBride.
First Sergeants	R. D. Burgess	M. C. Williams	J. G. Elgin.
Second Sergeants	F. C. Walters	Robt. McKee	A. Kruse.
Third Sergeants	J. C. McCaustland	A. H. Frazier	H. E. Buxton.
Fourth Sergeants	H. Davis	A. R. Woodcock	A. L. Yoder.
Fifth Sergeants	E. B. Aldrich	H. E. Penland	A. J. Bier.
First Corporals	R. Barclay	A. Campbell	S. Herbert.
Second Corporals	H. E. Junkin	W. R. Dilley	J. McBride.
Third Corporals	E. R. Shepard	F. Ward	W. L. Sharp.
Fourth Corporals	C. F. Hawley	W. W. Garrow	M. F. Bridges.

BATTALION BAND.

Cadet First Lieutenant and Leader ..... H. Beard.
Drum Major, Cadet Sergeant..... I. R. Daniel.
Cadet Sergeants—T. E. Palmer, G. Winslow, F. Kruse.
Cadet Corporals—E. W. Redd, C. A. Riddle, J. G. Garrow, J. Wiley.

Freehand Drawing.

E. F. PERNOT, Professor.
MISS DOROTHEA NASH, B. H. E., Assistant.

All students in the Freshman Year are required to take Freehand Drawing as follows:

First Term—Course A.—Elementary Drawing, with lectures, five hours per week.

Second Term.—Object Drawing, three hours per week.

Third Term—Mechanical Course.—Object Drawing from mechanical subjects, five hours per week.

Third Term—Household Science Course.—Drawing from casts, five hours per week.

SENIOR YEAR—Course B—*Third Term.*—Advanced Drawing (elective), ten hours per week.

No branch of education is more elevating or important than that of Free-hand Drawing, in that it cultivates the power of observation and trains the eye and hand. It is also an important aid in the study of all other branches; its value is appreciated in after life in every business, in all industries, and professional pursuits.

Department of Music.

MISS DOROTHEA NASH, B. H. E., Instructor.

The value of music as a factor in educational training is daily becoming more and more recognized. Not only does it develop the æsthetic side of our nature, and by its language imbue an increased love of the beautiful, but by the modern way of committing all kinds of music to memory proves a means of strengthening the mind and training the intellect, which is not to be surpassed by any of the older and more established methods.

The Board of Regents have added an instructor on the piano to the teaching staff for the benefit of those students who desire to add this study to the usual course.

Facilities will be afforded in the Young Women's Hall for such students as may desire to take lessons, for which a charge of 50 cents a lesson, or $2 a month for one lesson a week, will be made.

Each of the Halls is furnished with a piano for practicing.

A public recital is given at the end of the year by pupils, and it is the intention to give one at the end of each term of the coming year, such appearances being of great value to the pupil.

The pieces and studies given are those that are used in Germany and in the best schools of piano instruction in America.

This method pays great attention to the development of a good technique in the student, proper tone production and phrasing; and by study of the different composers a true love and appreciation of good music is inculcated in the student.

ELOCUTION.

MISS HELEN V. CRAWFORD, B. S. Professor.

It is the design of this department to train the students to become intelligent and thoughtful readers. The individuality of the students is of the first importance. He is not made a slave to arbitrary rules, or allowed to become an imitator of his teacher; but he is taught to express his thoughts, convictions and emotions in accordance with his own temperament.

PHYSICAL CULTURE.

No one's occupation will supply the need of physical culture. If the work is manual, some muscles will be over-developed at the expense of the nerve centers. The peculiar excellence of the Emerson system of physical culture lies in the fact that it rapidly strengthens the nerve centers and vital organs; and at the same time develops grace and muscular strength.

VOICE CULTURE.

Gladstone says, "Many a man now in obscurity might rise to the highest rank, if he were far-seeing enough to train his voice and body as well as his mind."

The system of voice culture taught in this department takes away all impurities of the voice, giving it fullness, volume, smoothness, flexibility, sympathy and power. A voice so cultivated can be used for hours without becoming hoarse or fatigued.

COURSE OF STUDY.

FRESHMAN YEAR.—Course A.—Physical and Voice Culture, Animation of Voice, Smoothness of Voice, Analysis, Rendering, two hours per week. Textbook, Vol. I, Evolution of Expression by C. W. Emerson.

Course B.—Physical and Voice Culture, Volume of Voice, Forming the elements, Analysis, Rendering, Elementary Gestures, two hours per week. Textbook, Vol. I, Evolution of Expression.

SOPHOMORE YEAR.—Course C.—Physical and Voice Culture, Slide, Vital Slide in Volume, Forming Pictures, Analysis, Rendering, Gestures, five hours per week. Textbook, Vol. II, Evolution of Expression.

SENIOR YEAR.—Course D.—Physical and Voice Culture, Literary Analysis, Vitalized or Animated Pictures, Taste, Relation of Values, Gesture, Pantomine, two hours per week. Textbook, Vol. III, Evolution of Expression.

Short Course.

This course is designed to meet the requirements of a large number of men and women in the State who have not the time or the means to take a full College course, and yet are desirous of obtaining a better equipment for their life-work than they now possess.

The course is given in the Winter, for at this season the time can be better spared from the farm and orchard than at any other period. While the time will be subject to change to fit the regular College work, yet the course will be arranged to begin about the second week in January of each year, and extend over a period of four to six weeks.

No special preparation is necessary as the instruction will be given by lectures and laboratory work. No examination is required to enter the course and no textbooks are used. It is the aim of this course to give the student the largest possible amount of practical information regarding the various phases of Agriculture and Horticulture. Special attention is given to Practical Dairying.

The Institution is well equipped for work in these lines. Laboratories, dairy building, green house, and farm, all afford efficient means for illustration and work.

In addition to the course outlined, there are provided special lectures by practical men who have achieved success in some particular branch of Agriculture or Horticulture, or some other important industry of the State. These special lectures are provided without extra cost to the student, and are highly instructive and beneficial.

No tuition fee will be charged in this course. Those who attend will be expected to secure boarding places in the city or in the boarding halls of the College, provided these are not fully occupied by regular College students.

Reduced fare on all railroads in the State will be secured for those who attend this course.

For further information regarding this course application should be made to the President of the Institution, or to the Vice Director.

Station Staff.

Thomas M. Gatch, A. M., Ph. D.....*President of the College and Director.*
James Withycombe, V. S.....*Vice Director and Agriculturist.*
A. B. Cordley, B. S.....*Entomologist.*
E. R. Lake, M. S.....*Horticulturist and Botanist.*
George Coote.....*Florist and Gardener.*
G. W. Shaw, A. M., Ph. D.....*Chemist.*
John F. Fulton, B. S.....*Assistant Chemist.*
C. M. McKellips, Ph. C.....*Assistant Chemist.*
F. L. Kent, B. S. Agr.....*Assistant Agriculturist and Dairy Instructor.*
E. F. Pernot.....*Bacteriologist.*
T. H. Crawford.....*Clerk and Purchasing Agent.*

The work of the Station is an important feature of the institution. Bulletins are issued, giving such information as is thought to be of interest and importance to the public, and copies are forwarded to applicants free of charge.

Farmers' Institutes.

Farmers' Institutes will be held in different sections of the State during the year, under the general management of the College authorities. It is the plan of the committee having the matter in charge to reach every section of the State during a series of years.

At these institutes papers are read and topics are discussed by persons having extensive experimental knowledge of the topics, as well as by those who have made a scientific study of the subjects.

Both the papers and addresses should be fully discussed by those present. Thus the College and the Experiment Station are brought into touch with the business industries of the State.

Institutes have been held in the following counties during the past year: Marion, Linn, Union, Umatilla, Wasco, Benton, Washington, Lane, Multnomah, Clatsop, Jackson, Josephine, Douglas and Wallowa.

Course of Lectures.

In addition to the regular lectures given in the various departments by members of the Faculty, the following course of lectures, which proved to be exceedingly popular, was had at convenient intervals during the year:

"Ideals"—Dr. J. M. Beardsley, Louisville, Ky.

"Some Snow Mountains"—President P. L. Campbell, State Normal School, Monmouth.

"The Trans-Mississippi and International Exposition; Its Benefits to Oregon"—Hon. Henry E. Dosch, Portland.

"Visit to Alaska"—Hon. Benton Killin, Portland.

"Expositions and their Benefits"—B. S. Pague, LL. B., Portland.

"Prunes and their Evaporation"—H. W. Williamson, Portland.

"The Laws Governing Public Lands"—Hon. Wm. Galloway, Oregon City.

"The Prune and its Management"—R. D. Allen, Silverton.

"London, Ancient and Mediæval"—Hon. Wallis Nash, Nashville.

"Our Constitutional Right to hold Colonies"—President Willis C. Hawley, Willamette University, Salem.

NOTES.

These lectures bring young people in contact with the leaders in the various departments of human endeavor.

They arouse investigation on current topics.

They stimulate students to emulate the achievements of specialists.

They give breadth of scholarship to the student and aid in developing the character of the Institution.

They rank among the most attractive features of College life.

They are free to all students.

The College Library.

The College library contains five thousand volumes of suitable books, also two hundred magazines and journals, to all of which the students have free access. The library is catalogued, and a topical index, that will prove very helpful to those reading along special lines, has been begun. Almost any book in the library may be taken home by the student for two weeks, at the expiration of which time the order may be renewed for a similar period. The daily attendance at the library varies from eighty to one hundred persons; and it is a matter of common observation that young people, many of whom come to the Institution without a taste for reading, cultivate an acquaintance with the authors, become familiar with the best works, and give unmistakable evidences of growth and culture.

Cauthorn Hall.

Cauthorn Hall, commonly known as Young Men's Hall, will be placed under the management of Professor and Mrs. J. B. Horner.

The building, which is comfortable and well provided with water, steam heat, and electric lights, is large enough to accommodate one hundred students.

During the coming year, Cauthorn Hall will be conducted on the Club plan. The Board of Regents will charge a nominal fee for rent and electric lights. The expense of living at the Hall will therefore be but little more than the actual outlay for help, wood, groceries, vegetables, etc. The maximum cost is not to exceed the present rate of $2.50 per week.

To become a member of Cauthorn Hall it will be necessary for the applicant to give satisfactory evidence of his ability to govern himself. To join the Club prior to January 1, he will be required to pay in advance a fee of ten dollars; to join after January 1 and before April 1, eight dollars; to join later than April 1, five dollars. This fee will be set aside for wood, rent, lights and repairs of his room; and the unexpended portion of the fee for this purpose will be returned to the student at the close of the year or at

the expiration of his membership. It will also be necessary for him to pay upon entrance and on or before the first day of each succeeding calendar month during his membership with the Club ten dollars to be used in defraying other necessary expenses. At the close of each month the unexpended balance of this fund will be applied to the reduction of such fund to be paid for the succeeding month.

Each room of the Hall is furnished with a table, chairs, a chest with drawers, a bedstead, springs, mattress, pillow and mirror. Hence the student is expected to furnish four sheets, two pillow cases, blankets, quilts, towels, broom, dustpan, washbowl and pitcher, comb, brushes, tumblers, carpet or matting, pictures and other things that will make his room comfortable and homelike. He should bring a dictionary and such other books as are used for study, for reference, and for profitable entertainment.

The Hall is furnished with a reading room which is supplied by the Club with some choice current literature. During the year, there will be an effort made to secure the nucleus of a library; and the probability is that the Club will from year to year set aside a small amount to be used as a library fund. Suitable books contributed to Cauthorn Hall Library will be gratefully accepted by the Club.

For further particulars address Professor J. B. Horner.

Young Ladies' Hall.

The Women's Hall will be continued the coming year as a Club, under the management of Miss Snell, the immediate charge being delegated to a competent assistant.

A circular, stating price of board and containing detailed information regarding all necessary matter, will be issued early in July of this year and may be had on application to the College Clerk.

The Hall is healthfully located, lighted by electricity, and supplied with excellent water. A tennis court adds an additional attraction to the Hall grounds, and provision for other out-door sports will be consummated the coming year.

Applicants for rooms must present certificates of good character from some reliable reference.

Admission.

There is no Preparatory Department now connected with this institution. Tuition is free.

CONDITIONS OF ADMISSION.

To enter the Freshman year the applicant must be at least fifteen years of age, and must be able to pass a satisfactory examination in Reading, Spelling, Geography, Arithmetic (written and mental), United States History and English Grammar.

Those applicants who have completed a highschool course will be given proper credit for work accomplished, and all those who have finished a course in certain approved grammar schools, a list of which is given below, will be admitted to the Freshman year on presentation of their diplomas.

SPECIAL STUDENTS.

Provision is made as follows to accommodate students who do not wish to enter the regular College course:

Non-graduate, special students who may desire to attend regular classes in any department may do so on recommendation of the head of the department and the consent of the President.

Such special students must be at least eighteen years of age, and shall not be considered candidates for graduation.

Students will be admitted at any time to advanced classes on passing an examination upon the preceding subjects.

Admission from other Colleges.—Students from other colleges must show a certificate of good standing, or of honorable dismissal, from such institution. Such applicants will receive credit for studies pursued in any college authorized to confer degrees, so far as the two courses are equivalent, upon presenting a certificate of standing from the proper officers.

Accredited Schools.

Graduates from the following accredited schools will be admitted to the Freshman year without examination:

Albany,
Astoria,
Ashland,
Athena,
Baker City,
Bandon (Major Course),
Bishop Scott Academy,
Corvallis,
Cottage Grove,
Coquille Collegiate Institute,
Elgin,
Enterprise Academy,
Eugene,
Forest Grove,
Grant's Pass,
Harrisburg,
Halsey,
Huntington,
Heppner,
Hood River,
Independence,
Jacksonville,
Junction City,
Klamath Falls,
La Grande,
La Creole Academy,
Marshfield,
McMinnville,
Medford,
North Yamhill,
Oregon City,
Pendleton,
Portland,
Park Place,
Salem,
Santiam Academy,
The Dalles,
Union,
Wasco.

The above list is subject to annual revision.

Rules.

All absences will be charged from the first recitation of the term.

Whenever the college life of any student is such that his influence, directly or indirectly, is injurious to the work of the Institution, he will be relieved from further attendance at the State Agricultural College.

The College does not undertake to prescribe in detail either its requirements or prohibitions. Students are met on a plane of mutual regard and helpfulness. Our appeal is to a proper sense of the proprieties of life and the necessity of organization on such a basis.

Established by a government that recognizes no distinction of religious belief, the Oregon Agricultural College seeks neither to promote any creed nor to exclude any; but it will always do everything in its power to promote the religious spirit and life.

Societies.

The students maintain several literary Societies, three for the young ladies and three for the young gentlemen. These Societies are of a semi-fraternal nature, offering to their members social as well as literary advantages. The exercises consist principally of essays, declamations, debates and music. Public and joint meetings are held by permission of the Faculty. A College paper, published monthly, is edited by the Societies. Many other features of college life, social and literary, are under their supervision. Students are elected to membership by those already belonging to the Societies.

The following is a list of the different Societies now in existence:

For young ladies: Sorosis, Pierian, Feronian.

For young men: Amicitia, Jeffersonian, Philadelphian.

The membership number of each of these Societies is limited to 40. They are all in a flourishing condition.

Athletic Association.

The students of the College maintain an Athletic Association which is governed by the following rules and regulations:

1. The Athletic Association of the College shall have immediate charge of, and be responsible for, the proper conduct of all athletic games of the College, under the supervision of the Athletic Committee of the Faculty.

2. A candidate for any position on an athletic team, bearing the colors and name of the Oregon Agricultural College, shall be of good moral character, shall not fall below a passing grade in more than one study, and shall have matriculated during the first month of the college year, or at least three months before applying for membership on such team.

3. A committee on athletics, composed of three members of the Faculty shall have general supervision over all athletics of the College.

4. All action of athletic clubs must be referred to the committee for their approval.

5 All trainers employed by the clubs of the College must be of good moral character, and must be approved by the athletic committee.

6. No inter-collegiate, or other, contests shall be entered into without consent of the athletic committee.

7. In all athletics provision must be made by the athletic association to meet all expenses, whether for general or special athletics, so that the College name will not be involved in any way with bad debts.

8. No student who is excused from indnstrial work, or military drill, on account of physical disability, shall be allowed to engage in college athletics.

College Barometer.

In March, 1896, the literary societies of the College began the publication of a monthly periodical, the "College Barometer." The enterprise met with a marked success, and the paper, controlled entirely by students, now wields a strong influence in all College affairs. During the coming year every effort will be made to improve it and make it of interest not only to those directly connected with the school, but to all who are in touch with literary, scientific and industrial education. The editors will be pleased to receive news of Alumni and any other persons formerly connected with the College. Brief, pointed notes, accounts of scientific experiments and discoveries, and short, well-written and instructive literary articles are also solicited.

The subscription price will be seventy-five cents per school year. Advertising rates will be given on application.

Address all correspondence to

E. B. ALDRICH, Editor-in-Chief, or
GLEN N. WINSLOW, Business Manager.

COMPARATIVE STATEMENT OF ENROLLMENT.

Year.	*Preparatory.*	*Freshmen.*	*Sophomores.*	*Juniors*	*Seniors*	*Graduate Students.*	*Special.*	*Total.*
1888–1889	36	33	14	14	0	0	0	99
1889–1890	67	55	17	6	0	6	0	151
1890–1891	76	83	24	15	0	3	0	201
1891–1892	86	63	28	19	9	3	0	208
1892–1893	98	123	31	18	7	5	0	282
1893–1894	36	103	71	21	5	4	0	240
1894–1895	47	85	64	52	13	0	0	261
1895–1896	80	175	63	54	9	14	2	397
1896–1897		157	80	29	17	11	25	317
1897–1898		151	75	45	26	15	24	336
1898–1899		164	79	30	36	15	14	338

List of Examiners for Admission to the College.

The graduates of this Institution, whose names appear below, will kindly conduct entrance examinations for applicants residing in their respective counties or districts:

Hon. J. K. Weatherford, Albany, Oregon.
Superintendent George Denman, for Benton County.
Austin T. Buxton, Forest Grove.
Chas. S. Chandler, Baker City.
Verna A. Keady, P. O. Box 818, Portland.
Effie Willis, Marshfield.
Mary E. Smith, Astoria.
Lena Willis, Roseburg.
Arthur C. Lewis, Klamath Falls.
Lester M. Leland, Pendleton.