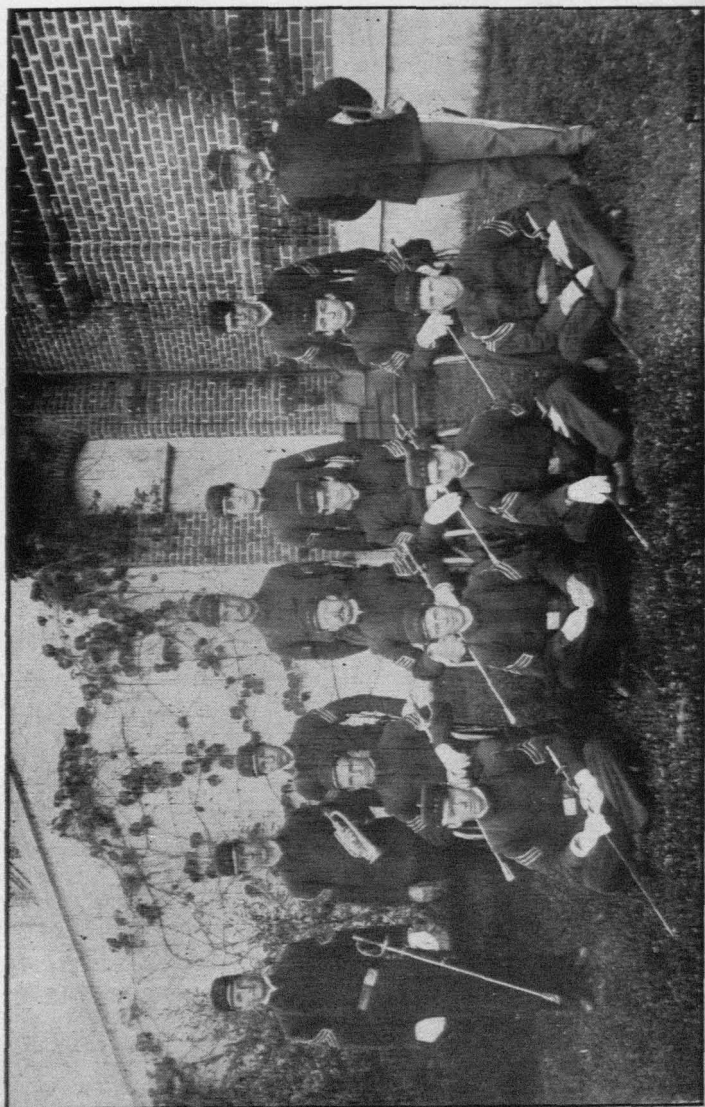


OREGON

State Agricultural College.

Catalogue and Calendar.

1896--1897.



ANNOUNCEMENTS,—August 1st, 1896.

Hon. Samuel Hughes of Forest Grove was appointed by the Governor, as member of the Board of Regents in place of H. B. Miller resigned.

CHANGES MADE BY THE BOARD OF REGENTS AT THEIR MEETING JULY 28TH 1896.

H. B. Miller was elected President and Director in the place of John M. Bloss resigned.

The board created the office of Dean of the College Department, and Prof. F. Berchtold was elected to that position.

The board also created a chair of Elocution, and Miss Helen V. Crawford of Albany was elected to that position.

H. T. Condon was elected clerk of the college and private secretary to the president.

The Standing Committees were changed and appointed as follows:—

EXECUTIVE COMMITTEE.

HON. BENTON KILLIN,—Portland, Or.,—Chairman.

HON. W. E. YATES,—Corvallis, Or.,—Secretary.

HON. J. T. APPERSON,—Oregon City, Or.

HON. WM. M. HILLIARY,—Turner, Or.

HON. SAMUEL HUGHES,—Forest Grove, Or.

COMMITTEE ON FINANCE.

HON. BENTON KILLIN, HON. WM. M. HILLIARY, HON. J. M. CHURCH.

AGRICULTURE AND CHEMISTRY.

HON. BENTON KILLIN, WM. M. HILLIARY.

HORTICULTURE AND ENTOMOLOGY.

HON. SAMUEL HUGHES, HON. J. K. WEATHERFORD.

MECHANICS AND HOUSEHOLD ECONOMY.

HON. J. K. WEATHERFORD, HON. SAMUEL HUGHES, HON. WALLIS NASH.

LITERARY DEPARTMENT AND LIBRARY.

HON. WALLIS NASH, HON. T. W. DAVENPORT.

ADVERTISING AND PRINTING.

HON. W. P. KEADY, HON. W. E. YATES.

BUILDINGS AND GROUNDS.

HON. W. E. YATES, HON. J. M. CHURCH.

FARMERS' INSTITUTES.

HON. J. K. WEATHERFORD, HON. W. E. YATES.

The economy of living under the club system adopted here, makes this the most economical of any educational institution on the Pacific Coast.

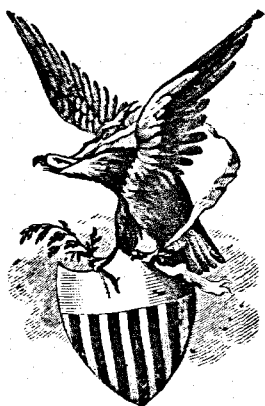
TUITION IS ABSOLUTELY FREE.

*Names unknown - not Hoover
collection*

ANNUAL CATALOGUE
OF THE
State Agricultural College,
OF THE
STATE OF OREGON.
FOR
1895--1896.
AND
ANNOUNCEMENTS FOR 1896--1897

CORVALLIS, OREGON.

AGRICULTURAL COLLEGE PRINTING OFFICE.
H. R. CLARK, Printer.
CORVALLIS, OREGON:
1896.



ANNOUNCEMENTS.

FALL TERM.

Begins Thursday, September 17th; closes December 23d.

Examinations for admission and enrollment, September 17th and 18th, 9 a. m.

November 26th and 27th, (Thanksgiving) holidays.

WINTER TERM.

Begins January 5th, 1897; closes March 26th.

SPRING TERM.

Begins April 1st; closes June 23d.

May 30th, Decoration Day, a holiday.

Sunday, June 20th to Wednesday, June 23d Commencement Exercises.

Wednesday, June 23d, Commencement Day.

WINTER VACATION.

From December 23d to January 5th, 1897.

EXAMINATIONS.

Examinations will be held at the close of each month.

The student's standing will be reported to the parents or guardians at the close of each term.

BOARD OF REGENTS.

- HON. J. T. APPERSON, PRESIDENT,
Oregon City, Oregon.
- HON. WILLIAM E. YATES, SECRETARY,
Corvallis, Oregon.
- HON. J. K. WEATHERFORD, TREASURER,
Albany, Oregon.
- GOVERNOR WILLIAM P. LORD,
Salem, Oregon.
- HON. H. R. KINCAID, SECRETARY OF STATE,
Salem, Oregon.
- HON. G. M. IRWIN, STATE SUPT. OF PUBLIC INSTRUCTION,
Salem, Oregon.
- HON. WILLIAM M. HILLIARY, MASTER OF STATE GRANGE,
Turner, Oregon.
- HON. T. W. DAVENPORT,
Silverton, Oregon.
- HON. BENTON KILLIN,
Portland, Oregon.
- HON. H. B. MILLER,
Grant's Pass, Oregon.
- HON. W. P. KEADY,
Portland, Oregon.
- HON. WALLIS NASH,
Portland, Oregon.
- HON. OSEPH M. CHURCH,
LaGrande, Oregon.

EXECUTIVE COMMITTEE.

- HON. BENTON KILLIN, CHAIRMAN,
Portland, Oregon.
- HON. W. E. YATES, Secretary,
Corvallis, Oregon.
- HON. J. T. APPERSON,
Oregon City, Oregon.
- HON. H. B. MILLER,
Grant's Pass, Oregon.
- HON. WILLIAM M. HILLIARY,
Turner, Oregon.

STANDING COMMITTEES OF BOARD OF REGENTS.

Agriculture and Chemistry.—B. KILLIN, WM. M. HILLIARY.

Horticulture and Entomology.—H. B. MILLER, J. K. WEATHERFORD.

Mechanics and Household Economy.—J. K. WEATHERFORD, W. NASH.

Literary Dept. and Library.—WALLIS NASH, T. W. DAVENPORT.

Advertising and Printing.—W. P. KEADY, W. E. YATES.

Buildings and Grounds.—W. E. YATES, H. B. MILLER.

Farmers' Institutes.—J. K. WEATHERFORD, W. E. YATES.

STATION COUNCIL.

JOHN M. BLOSS, A. M., Director.

H. T. FRENCH, M. S., Agriculturist.

G. W. SHAW, Ph. D., Chemist.

U. P. HEDRICK, M. S., Horticulturist and Botanist.

A. B. CORDLEY, B. S., Entomologist.

The work of the Station is an important feature of the institution. Bulletins are issued giving such information as may be thought of interest and importance to the public, and copies 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 places during the past year: Union, Union County; Milton, Umatilla County; Oregon City, Clackamas County.

The following is the Institute committee: Hon. J. K. Weatherford and Hon. W. E. Yates, of the Board of Regents; Pres. John M. Bloss, and Professors French and Shaw of the Faculty.

FACULTY.

JOHN M. BLOSS, A. M.,
President, and Professor of Mental and Moral Science.

F. BERCHTOLD, A. M.,
Professor of Modern Languages, Physics, and History.

GRANT A. COVELL, M. E.,
Professor of Mechanics and Mechanical Engineering.

MARGARET C. SNELL, M. D.,
Professor of Household Economy and Hygiene.

H. T. FRENCH, M. S.,
Professor of Agriculture.

G. W. SHAW, Ph. D.,
Professor of Chemistry.

J. B. HORNER, A. M.,
Professor of English Language and Literature.

LIEUT. C. E. DENTLER, U. S. A.,
Professor of Military Science and Tactics, and Commandant.

GORDON V. SKELTON, C. E.,
Professor of Mathematics and Engineering.

U. P. HEDRICK, M. S.,
Professor of Horticulture and Botany.

A. B. CORDLEY, B. S.,
Professor of Zoölogy and Entomology.

GEORGE COOTE,
Assistant, and Instructor in Horticulture.

E. F. PERNOT,
Instructor in Drawing.

MRS. IDA B. CALLAHAN, B. S.,
Instructor in College Department.

JOHN F. FULTON, B. S.,
Assistant Chemist.

E. G. EMMETT, B. M. E.,
Instructor, Mechanical Dept., in Iron Work.

D. W. PRICHARD,
Instructor, Mechanical Dept., in Wood Work.

CHARLES L. JOHNSON, B. S.,
Instructor in College Department.

FRED L. KENT, B. Agr.,
Instructor in Dairying.

D. W. TRINE, B. S.,
Instructor in Botany.

FRANK E. EDWARDS, B. M. E.,
Instructor in Chemistry.

Miss DOROTHEA NASH, B. H. E.,
Instructor in Music.

(*To be elected.*)
Instructor in Elocution.

STUDENTS.

POST GRADUATES.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Adamson, J. E.....	B. S. A.	Halsey	Linn.
Buchanan, Kate A.	B. H. E.	Corvallis	Benton.
Burnett, Brady.....	B. S. A.	"	"
Casto, S. Lake.....	"	Carus	Clackamas.
Davidson, Nellie.....	B. H. E.	Corvallis	Benton.
Denman, George.....	B. S. A.	"	"
Doughty, E. R.....	"	Bay City.....	Tillamook
Edwards, Frank E.....	B. M. E.	Mayville.	Gilliam.
Kidder, Andrew B.....	B. S. A.	North Yamhill..	Yamhill.
Lacy, W. B.	"	Heppner	Morrow.
Long, Elsie.....	B. H. E.	Corvallis	Benton.
McCune, Amelia.....	"	Shedds.....	Linn.
Morrison, A. D.....	B. S. A.	Oakville.....	"
Porter, W. D.....	"	Shedds.....	"

FOURTH YEAR.

Buchanan, Arthur.....	Mech.	Corvallis.	Benton.
Friendly, Herbert.....	"	Portland.	Multnomah.
Keady, W. F.....	"	"	"
Owsley, Charles C.....	"	LaGrande.	Union.
Phillips, Clyde.....	"	Corvallis.	Benton.
Porter, Charles G.....	"	"	"
Ray, Don C.....	"	Woodburn.	Marion.
Spangler, Martin.....	"	Corvallis.	Benton.
Wood, Arthur W.....	"	Albany.	Linn.

THIRD YEAR.

Abernethy, Edwin.....	Mech.	Dora	Coos.
Abernethy, William.....	Agri.	"	"
Alger, P. E.....	Mech.	Union	Union.
Andrews, L. B.....	Agri.	Oregon City....	Clackamas.
Archibald, S. R.....	Mech.	Tangent	Linn.
Avery, Winnie.....	H. E.	Corvallis	Benton.
Barker, Bessie.....	"	"	"
Beall, Lee.....	Agri.	Central Point..	Jackson.
Becker, W. H.....	"	Wheatland	Yamhill.
Brown, Sheldon C.....	"	Hockinson	Wash. State.
Buoy, Mary.....	H. E.	Philomath.....	Benton.
Bump, C. L.....	Mech.	Corvallis	"
Barnett, Louie.....	H. E.	Oswego	Clackamas.

THIRD YEAR.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Casto, Augusta.....	H. E.	Carus	Clackamas.
Clark, Geo. M	Mech.	Corvallis	Benton.
Cooper, Lewis E.....	Agri.	"	"
Elliott, Ernest.....	Mech.	"	"
Elliott, H. J.....	"	Dallas	Polk.
Golden, Robert E.....	"	Marshfield.....	Coos.
Groves, W. F.....	"	Corvallis	Benton.
Harrison, J. Wallace.....	"	Amity.....	Yamhill.
Hufford, E. J.....	Agri.	Corvallis.	Benton.
Johnson, M. R.....	"	"	"
Kelly, H. W.....	"	The Dalles.....	Wasco.
Korthauer, George.....	Mech.	New Whatcom.....	Wash. State.
Lee, W. T.....	Agri.	Klamath Falls.....	Klamath.
Lilly, Edith	H. E.	Corvallis	Benton.
Lindsey, Lulu.....	"	"	"
Linville, Mildred.....	"	"	"
Linville, Bertie.....	"	"	"
Lyford, Carrie.....	"	"	"
McCune, J. G.....	Agri.	Portland	Multnomah.
Mackay, Gertie.....	H. E.	Corvallis.	Benton.
Martyn, Emma.....	"	"	"
Milner, Mamie.....	"	"	"
Moses, Victor.....	Mech.	Myrtle Creek....	Douglas.
Moses, Josie.....	H. E.	"	"
Newton, E. J.....	Agri.	Corvallis	Benton.
Nichols, George E.....	Mech.	Riddle	Douglas.
Porter, C. R.....	"	Ale	Marion.
Read, Lilly.....	H. E.	Prineville.....	Crook.
Right, Mattie.....	"	Corvallis	Benton.
Shipley, Elmer.....	Agri.	Portland	Multnomah.
Simmons, V. Esther.....	H. E.	Roseburg	Douglas.
Small, Chas. E.....	Mech.	Corvallis	Benton.
Smith, Joe C.....	Agri.	"	"
Taylor, Otis.....	Mech.	Halsey	Linn.
Terrell, Ralph.....	"	Mehama	Marion.
Veatch, H. H.....	Agri.	Cottage Grove....	Lane.
Ward, Ida.....	H. E.	Plainview.....	Linn.
Warrior, Emma.....	"	Corvallis	Benton.
Wilson, Minnie.....	"	"	"
Wood, F. Marion.....	Agri.	Philomath.....	"
Wyatt, Lizzie.....	H. E.	Corvallis	"

SECOND YEAR.

Applewhite, Georgia.....	H. E.	Corvallis	Benton.
Beach, Emma.....	"	"	"
Bethune, Joseph.....	Mech.	Albany	Linn.
Blevins, Wade	"	Tangent ..	"
Bodine, D. H.....	Agri.	Albany.....	"
Brown, Onas.....	Mech.	Corvallis.....	Benton.
Brown, Lalie.....	H. E.	"	"
Campbell, Emma.....	"	"	"
Cauthorn, Laura.....	"	Wells.....	"
Clark, Merton.....	Mech.	Corvallis.....	"
Colt, Chester T.....	"	Summerville ..	Union.
Cooley, J. R.....	"	Cottage Grove....	Lane.
Crawford, Frank H.....	"	Salem	Marion.

SECOND YEAR.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Daggett, W. B.....	Agri.	Gilton	Columbia
Datesman, Bessie.....	H. E.	Corvallis.....	Benton.
Davis, Mabel.....	"	"	"
Dimmick, H. R.....	Mech.	Marshfield.....	Coos.
Feudall, Frank.....	Agri.	Willamina.....	Yamhill.
Gault, John H.....	Mech.	Hillsboro	Washington.
Gellatly, Robert.....	"	Philomath	Benton.
Gellatly, Nettie.....	H. E.	"	"
Gibson, Edith.....	"	Corvallis.....	"
Gilstrap, W. J.....	Agri.	Junction City.....	Lane.
Greffoz, Rosalie.....	H. E.	Corvallis.....	Benton.
Groves, Edna.....	H. E.	"	"
Hale, Minnie.....	H. E.	Brownsville.....	Linn.
Hartless, Georgia.....	"	Corvallis.....	Benton.
Henry, Clyde.....	Agri.	Zena	Polk.
Holgate, Don	Mech.	Corvallis	Benton.
Johnson, Mabel	H. E.	"	"
Johnson, Lionel A.	Agri.	Vale.....	Malheur.
Kyle, Ena.....	H. E.	Corvallis	Benton.
Lea, Casper.....	Mech.	Cottage Grove.....	Lane.
Leavens, Aubert.....	"	Cascade Locks.....	Wasco.
McAlister, Harvey L.....	Agri.	Lexington.....	Morrow.
McKnight, Charles.....	Mech.	Marshfield	Coos.
Masters, J. B	"	Baker City.....	Baker.
Maxfield, Vera.....	H. E.	Corvallis	Benton.
Merryman, Geo. H.....	Mech.	Hillsboro.....	Washington.
Mote, Lieuary.....	H. E.	Dillard	Douglas.
Murray, Colista.....	"	Corvallis	Benton.
Newhouse, Clara.....	"	"	"
Owen, T. L	Mech.	Marshfield.....	Coos.
Plummer, Layton G.....	"	Corvallis.....	Benton.
Porter, Guy L.....	"	Shedds	Linn.
Porter, Dora.....	H. E.	"	Linn.
Powers, Loren T.....	Agri.	Wallowa.....	Wallowa.
Reed, George C.....	"	Portland.....	Multnomah.
Riggs, W. W.....	Mech.	Brownsville	Linn.
Rusk, Levi.....	Agri.	Milwaukee	Clackamas.
Sawtell, Iva.....	H. E.	Molalla	"
Schmidt, Willie.....	Agri.	Corvallis	Benton.
Shonkwiler, Myrtle.....	H. E.	Chico.....	(California.)
Simpson, Mary.....	"	Oakland.....	"
Snyder, Clyde C.....	Mech.	Brownsville	Linn.
Stimpson, E. W.....	Agri.	Newport	Lincoln.
Stovall, Dennis.....	Mech.	Corvallis	Benton.
Tharp, A. J.....	"	Alsea	"
Trask, S. E.....	"	Cascade Locks.....	Wasco.
Weaver, Geo. E.....	"	Marshfield	Coos.
Weber, Eugene.....	"	Corvallis	Benton.
Wilkins, Lola.....	H. E.	"	"
Wilson, Cara.....	"	"	"

FIRST YEAR.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Abrams, Carlton	Agri.	Lincoln	Polk.
Abrams, Lettie.....	H. E.	"	Polk.
Adams, Geo. W.....	Mech.	Baker City.....	Baker.

FIRST YEAR.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Aldrich, J. G.....	Mech.	Cascade Locks.....	Wasco.
Applewhite, Marvin.....	"	Corvallis	Benton.
Avery, Roy D.....	"	"	"
Barrett, Andrew F.....	"	Sheridan	Yamhill.
Beall, Tyson.....	"	Central Point.....	Jackson.
Beard, Claude.....	"	Tangent.....	Linn.
Beard, Harry.....	"	"	Linn.
Bier, Arthur J.....	"	Corvallis	Benton.
Blakeslee, Sarah.....	H. E.	"	"
Blumberg, Dora.....	"	"	"
Boydston, Alice.....	"	Dallas	Polk.
Breithaupt, O. N.....	Mech.	Damascus	Clackamas,
Burnett, Bruce.....	Mech.	Corvallis	Benton.
Burnette, Minnie.....	H. E.	"	"
Campbell, Charles.....	Mech.	"	"
Casto, Ella.....	H. E.	Carus	Clackamas.
Canthorn, Frankie.....	"	Corvallis	Benton.
Chipman, Clarence.....	Mech.	"	"
Christenson, Neils.....	Agri.	Lakeview	(Wash. State)
Clark, Chesley.....	"	Corvallis	Benton.
Cockrell, Mortimer.....	Mech.	"	"
Collins, Laura.....	H. E.	Silver	Polk.
Colmer, James.....	Mech.	Florence	Lane.
Colvig, Fred L.....	"	Grant's Pass.....	Josephine.
Cooper, Miner M.....	"	Roseburg	Douglass.
Cook, Lynn.....	Agri.	McMinnville ..	Yamhill.
Cox, Jessie.....	H. E.	Corvallis	Benton.
Craven, Joe.....	Mech.	Dallas.....	Polk.
Craven, Forest.....	"	"	Polk.
Croft, Mason.....	"	Brownsville	Linn.
Cronkhite, Geo. H.....	"	Hillsboro.....	Washington.
Crum, G. L.....	"	Olex	Gilliam.
Culver, Edna P.....	H. E.	Albany	Linn.
Culver, C. E.....	Mech.	Buena Vista.....	Polk.
Davis, Samuel H.....	"	Marshfield	Coos.
Davis, Harry E.....	"	Corvallis	Benton.
Davidson, James L.....	"	Parker	Polk.
Dilberger, Fred C.....	Agri.	Laurel.....	Washington.
Downing, J. M.....	Mech.	Condon	Gilliam.
Elliott, F. G.....	"	Dallas.....	Polk.
Edwards, Fred. A.....	"	Mayville	Gilliam.
Emmett, Arthur.....	"	Salem	Polk.
Emmons, Robert R.....	"	Buena Vista.....	Polk.
Felton, Myrtle.....	H. E.	Corvallis	Benton.
Finley, Meta E.....	"	Oregon City.....	Clackamas.
Fry, Laura.....	"	Corvallis	Benton.
Fry, Robert.....	Mech.	"	"
Gaines, Hattie.....	H. E.	"	"
Gellatly, Elenor.....	"	Philomath.....	"
Gillette, Lua C.....	"	Corvallis	"
Getty, George.....	Mech.	Empire City.....	Coos.
Getty, Fannie.....	H. E.	"	"
Girdner, J. S.....	Mech.	Astoria	Clatsop.
Gordon, Sida S.....	"	King's Valley.....	Benton.
Graham, Richard.....	"	Corvallis ..	"
Ingraham, E.....	"	Amity.....	Yamhill.
Hamilton, Cyrus M.....	Agri.	Orange	(California.)

FIRST YEAR.

NAMES.	COURSE.	P. O. ADDRESS.	COUNTY.
Hamilton, Walter.....	Mech.	St. Johns.....	Multnomah.
Hays, Floyd.....	"	Tangent.....	Linn.
Hays, Edwin Lee.....	"	Monroe.....	Benton.
Herbert, Lottie.....	H. E.	Corvallis.....	"
Herron, Harriett.....	"	Monroe.....	"
Hibbard, Eveline.....	"	Dallas.....	Polk
Holden, Huldah.....	"	Oregon City.....	Clackamas.
Hopkins, Lyman L.....	Agri.	Lakeview.....	Lake.
Howell, Clayton.....	"	Halsey.....	Linn.
Howell, R. Henry.....	Mech.	Waldport.....	Lincoln.
Hufford, Walter.....	Agri.	Corvallis.....	Benton.
Huffman, Jesse.....	Mech.	Philomath.....	Benton.
Humphrey, Della.....	H. E.	Roseburg.....	Douglas.
Jaeger, Charles.....	Mech.	Brownsville.....	Linn.
Jenks, Oliver.....	Agri.	Tangent.....	"
Jenks, Charles.....	Mech.	"	"
Jenks, Jesse.....	"	"	"
Job, Guy H.....	"	Corvallis.....	Benton.
Johnson, Jamie.....	"	"	"
Jones, Mary.....	H. E.	"	"
Junkin, Herbert E.....	Mech.	Oakville.....	Linn.
Julien, Edward C.....	"	Hay Creek.....	Crook.
Kelsey, Lyman.....	"	Corvallis.....	Benton.
Kendall, Mary.....	H. E.	"	"
Kidder, Alice J.....	"	North Yamhill.....	Yamhill.
Kincaid, Archie.....	Mech.	Taylor.....	Multnomah.
King, Anna.....	H. E.	Wren.....	Benton.
Kruse, Archie.....	Mech.	Marshfield.....	Coos.
Kruse, Fred.....	"	"	"
Kuhl, Henry.....	"	Canyon City.....	Grant.
Lacy, Elsie E.....	H. E.	Heppner.....	Morrow.
Lane, Ralph.....	Mech.	Corvallis.....	Benton.
Lane, Clara.....	H. E.	"	"
Lawrence, Lyle.....	"	Oregon City.....	Clackamas.
Lea, Erwin J.....	Mech.	Cottage Grove.....	Lane.
Lenger, Rosalia.....	H. E.	Corvallis.....	Benton.
Lewis, Blanche.....	"	Lakeview.....	Lake.
Lewis, Charles C.....	Agri.	Klamath Falls.....	Klamath.
Lock, Laura.....	H. E.	Corvallis.....	Benton.
Logsdon, T. A.....	Mech.	"	"
Longacre, Anna.....	H. E.	Buena Vista.....	Polk.
Loucks, H. H.....	Mech.	Sheridan.....	(Wyoming.)
Lyford, Genevieve.....	H. E.	Corvallis.....	Benton.
McBride, Horace.....	Mech.	Shedds.....	Linn.
McBride, Idella.....	H. E.	"	"
McConnell, Clarence.....	Mech.	Newberg.....	Yamhill.
McCune, R. Y.....	"	Shedds.....	Linn.
McDevitt, Charles T.....	"	Dallas.....	Polk.
McFadden, Frank.....	"	Corvallis.....	Benton.
McFarland, Leona.....	H. E.	Albany.....	Linn.
McGowan, James E.....	Mech.	Dallas.....	Polk.
McKee, Robert.....	"	Amity.....	Yamhill.
McKenzie, D. G.....	"	Scappoose.....	Columbia.
Medley, Thomas.....	"	Cottage Grove.....	Lane.
Metschan, Anton.....	"	Canyon City.....	Grant.
Metschan, Otto.....	"	"	"

FIRST YEAR.

NAMES.	COURSE.	P. O. ADDRESS	COUNTY.
Miner, Alva L.....	Mech.	Buena Vista.....	Polk.
Mohr, James.....	Agri.	Corvallis	Linn.
Montgomery Pearl.....	H. E.	Independence	Polk.
Morrison, Sarah.....	"	Oakville	Linn.
Motley, Carrie.....	"	Sparta	Union.
Murray, Leslie W.....	Mech.	Corvallis	Benton.
Nash, L. Darwin.....	"	Portland	Multnomah.
Nicholas, Ross.....	"	Corvallis	Benton.
Noel, Leigh.....	"	Gardner	Douglas.
Opland, Oscar H.....	"	Cascade Locks.....	Wasco.
Patterson, Woodson L.....	Mech.	Empire City.....	Coos.
Phillips, Miles J.....	"	Corvallis	Benton.
Pierce, Roy F.....	Agri.	Rowland	Linn.
Piper, W. F.....	Mech.	Marshfield	Coos.
Purdy, Esther.....	H. E.	Corvallis	Benton.
Purdy, Alfred.....	Agri.	"	"
Reed, R. D.....	Mech.	Bandon.....	Coos.
Reynolds, Hallie.....	H. E.	Dallas.....	Polk.
Roork, Rollie A.....	Mech.	Buena Vista.....	"
Rowland, Mamie.....	H. E.	Corvallis	Benton.
Rusk, Emma.....	"	Milwaukee.....	Clackamas.
Samuels, A. T.....	Mech.	Corvallis	Benton.
Saunders, C. Alfred.....	"	Empire City.....	Coos.
Scoggin, H. A.....	"	Fossil	Gilliam.
Scott, Horace.....	"	Corvallis	Benton.
Sharp, H. E.....	Agri.	Salem	Polk.
Shriver, Clarence.....	Mech.	Corvallis	Benton.
Smith, Leona.....	H. E.	"	"
Smith, F. W.....	Mech.	Park Place.....	Clackamas.
Smith, Iva.....	H. E.	Wells	Benton.
Smith, Nolan.....	Mech.	Dallas.....	Polk.
Spencer, Hattie.....	H. E.	Corvallis	Benton.
Stearns, Leslie O.....	Mech.	Klamath Falls.....	Klamath.
Stimpson, Arthur J.....	"	Newport	Lincoln.
Stovall, Lawrence.....	Agri.	Corvallis	Benton.
Taylor, Herbert.....	"	Portland	Multnomah.
Thornton, Della.....	H. E.	Corvallis	Benton.
Thornton, Carl D.....	Mech.	Wheatland	Yamhill.
Thrasher, Bertha.....	H. E.	Corvallis	Benton.
Thurston, J. J.....	Mech.	Suver	Polk.
Trask, Arthur E.....	"	Cascade Locks.....	Wasco.
Turley, J.....	"	Boise City.....	(Idaho State.)
Turney, Nash.....	"	Corvallis	Benton.
Tyler, C. Edward.....	"	Buena Vista.....	Polk.
Uhlmann, Millie.....	H. E.	Corvallis	Benton.
Walters, Fred C.....	Agri.	Monroe	"
Weider, John.....	Mech.	Marshfield	Coos.
Welch, John T.....	Agri.	Cat Creek P. O. (Kentucky.)	
Wells, Cleora.....	H. E.	Corvallis	Benton.
Whitaker, Agnes.....	"	"	"
Whiteman, Grace.....	"	Buena Vista.....	Polk.
Wilson, Teresa.....	"	Alsea.....	Benton.
Williams, Clyde.....	Mech.	Airlie	Polk.
Woodcock, Roy.....	"	Corvallis	Benton.
Yates, Mina.....	H. E.	Oakgrove	Linn.
Yoakam, J. A.....	Mech.	Marshfield.....	Coos.

FIRST YEAR.

NAMES.	P. O. ADDRESS	COUNTY.
Young, Cora.....	H. E. Corvallis	Benton.
Young, Edward C.....	Agri. Astoria	Clatsop.
Zeis, Emil.....	Mech. Portland	Multnomah.

SPECIAL STUDENTS.

Eberhart L. V.....	Corvallis.....	Benton
McFadden, A. L.....	Chitwood.....	Lincoln.

PREPARATORY.

NAMES.	P. O. ADDRESS.	COUNTY.
Aiken, Charles.....	Marshfield.....	Coos.
Allison, Emma.....	Corvallis	Benton.
Baldwin, Edith.....	Albany	Linn.
Barnett, Burt Leroy.....	Monroe	Benton.
Beard, Joe Ivan.....	Tangent	Linn.
Becker, Lulu N.....	Arlington	Gilliam.
Becker, Everett W.....	Wheatland	Yamhill.
Beckman, Adolph.....	Astoria	Clatsop.
Berry, Bertha.....	Berry	Marion.
Bidwell, L. E.....	Monmouth	Polk.
Blackwood, Guy.....	Cascade Locks.....	Wasco.
Blevins Clara.....	Tangent	Linn.
Brinkley, John.....	Airlie	Polk.
Bristow, Otis C.....	Nashville	Lincoln.
Brown, C. F.....	Corvallis	Benton.
Brown, Dollie .....	.....	"
Buford, J. W.....	Salem	Marion.
Campbell, Alex.....	Marshfield.....	Coos.
Chapman, Tellula.....	Monroe	Benton.
Coleman, Edith.....	Blodgett's Valley.....	"
Collins, William D.....	Suver	Polk.
Daniel, Ivan.....	Leland	Josephine.
Dennick, George B.....	Waldport	Lincoln.
Donaca, W. H.....	Lebanon	Linn.
Elgin, Melvena.....	Corvallis	Benton.
Emmett, Bertha.....	Salem	Polk.
Erwin, Richard.....	Corvallis	Benton.
Feathers, Geo. W.....	Damascus	Clackamas.
Finzer, Alice.....	Albany	Linn.
Gaines, Wilbur.....	Corvallis	Benton.
Gilstrap, Robert.....	Junction City.....	Lane.
Girard, Lloyd.....	Lewisville	Polk.
Hague, F. E.....	Marshfield.....	Coos.
Hall, W. Fred.....	Buena Vista.....	Polk.
Hanson, Andrew.....	Roseburg.....	Douglas.
Hastings, J. F.....	Airlie	Polk.
Hunter, Lynn W.....	Corvallis	Benton.
Ingraham, Ella.....	Amity.....	Yamhill.
Jones, Claude Roy.....	Gervais.....	Marion.
Jones, Herbert.....	Corvallis	Benton.
Kelly, Edward.....	Chemawa.....	Marion.
Kidder, Faith E.....	Portland	Multnomah.
Kiger, Clyde.....	Blodgett's Valley.....	Benton.
King, Arnold.....	Corvallis	"
Kisor, Lydia.....	Philomath	"

PREPARATORY.

NAMES.	P. O. ADDRESS.	COUNTY.
Laughlin, Benjamin.....	North Yamhill.....	Yamhill.
Leadbetter, Will N.....	Corvallis	Benton.
Le Vee, Chauncey W.....	"	"
McBride, John E.....	Shedds	Linn.
McKenney, Lillie.....	Corvallis	Benton.
Mathany, Maggie.....	Wren	"
Morgan, Benjamin.....	Tangent	Linn.
Mulkey, O. Fred.....	Corvallis	Benton.
Needham, Nelson.....	Tangent	Linn.
Norton, Rena.....	Blodgett's Valley.....	Benton.
Ober, Fred J.....	Miamisburg	(Ohio.)
Prather, Lenora Belle.....	Buena Vista.....	Polk.
Prather, Addie.....	"	"
Pomeroy, Maude.....	Corvallis	Benton.
Pomeroy, Lillian.....	"	"
Rickey, Ethel.....	Hartland	(Wash. State.)
Schmidt, J. Oscar.....	Canyon City.....	Grant.
Sherblom, Ernest A.....	Hockinson	(Wash. State.)
Snyder, W. J.....	Newberg	(New York.)
Staats, Bertha.....	Airlie	Polk.
Starr, Elva.....	Monroe	Benton.
Starr, Eva.....	"	"
Stimpson, Ida.....	Newport.....	Lincoln.
Stott, Mamie.....	Heppner	Morrow.
Stott, Robert.....	"	"
Taylor, Roy O.....	Turner.....	Marion.
Thompson, Meade K.....	Rowland	Linn.
Van Gsoos, John.....	Turner	Marion.
Van Gsoos, James.....	"	"
Wells, Pearl.....	Corvallis	Benton.
Whitaker, Alice	"	"
Wood, Samuel R.....	Blodgett's Valley.....	"
Wood, Geo. W.....	Corvallis	"
Voder, A. L.....	Needy.....	Clackamas.
Zercher, Ralph.....	Corvallis	Benton.

RECAPITULATION.

Post Graduates.....	14
Fourth Year, (Mechanical.).....	9
Third Year.....	54
Second Year.....	63
First Year.....	175
Preparatory.....	80
Special Students.....	2
Total.....	397

Number of Counties in Oregon.....	32
Number of Counties represented.....	28

STATE AGRICULTURAL COLLEGE.

The Agricultural Colleges in the United States are the outgrowth of an Act approved July 2, 1862, 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 and territory has availed itself of the privileges granted under this Act, by providing a school under some 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, was, 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 thereafter that 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 science, 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."

In accordance with the spirit of these acts the Oregon State Agricultural College has undertaken its work. The college is not intended to be a literary school in the highest sense, nor on the other hand a school of theoretical science. The spirit of its endowment by the general government was to foster a school of applied science which would lead up to any, or all the great business industries of life. Inasmuch as a science cannot be applied until it is understood, the work of instruction in the agricultural college must cover the technical work done in all the better colleges, and in addition must involve the laboratory work in its application.

The work of this college can be best discussed under two general heads, viz: the Literary and the Technical.

Literary Work.

The literary work of this school may be divided for the convenience of discussion into two general divisions: first, that, in which the primary object is to give culture, and to prepare the student for good citizenship; and secondly, that which underlies and is preparatory to the chosen technical education.

Culture Studies.

While it is true that all branches studied result in culture, it is equally true that those branches whose primary object ends in culture are of very great importance in preparing the student for his work in the science of Agriculture, Horticulture, Household Economy, and Mechanics. Thus, much stress is placed upon English, not only for the culture which it gives, but because it is the key which unlocks the treasure-house of knowledge to the American student. A knowledge of Grammar, Rhetoric, and Logic, etc., within themselves is comparatively valueless. It is true that mental growth may be attained through the study of these as well as other sciences, but through these there is more to be gained than simply mental discipline. These are practical subjects, and to be of use the laboratory process must be applied, just as is done in chemistry. Hence the study of the use and power of words through works on synonyms, and practice in composition receive attention in the class room. The work of the Literary societies of which there are five now organized does much to supplement this work.

But there is an additional reason for the study of English. Knowledge is said to be power, but it is not available power to the world unless its possessor can give it expression.

In the class room, the study of the history of the language; its growth and development; the study of the great writers in prose and fiction,—all tend to cultivate and prepare the student not only for an appreciation of good literature but it enables him to express thought with clearness, force, and elegance.

Under this caption may be placed history, modern, medieval and ancient, as well as political economy, psychology, and ethics. The value of these studies is so apparent that it needs no discussion.

No foreign language except Latin is embraced in the curriculum, and Latin is optional, except to those who take the degree of Bachelor of Science or Bachelor of Letters.

Subjects Underlying the Technical Course.

There are many subjects in every curriculum which in themselves may seem unnecessary, yet a little investigation will show that even these are essential, because they underlie the technical knowledge which the student most needs.

Thus arithmetic, algebra, geometry, and calculus, etc., each in turn becomes essential to some work of the school, viz: arithmetic to book-keeping, chemistry, philosophy, etc.; algebra to the higher phases of geometry and

calculus, etc.; geometry to surveying and civil engineering; and calculus to the applications of mechanics and mechanical engineering.

Free-hand drawing is not only a culture study, developing the æsthetic nature, but is invaluable for cultivating the power of observation, so essential in all technical work. Drawing itself is a form of expression, and becomes a means of illustration in all the sciences.

Chemistry, geology, botany, and zoölogy, in their elementary forms, bring us face to face with Nature's laws; and therefore in this sense become culture studies, as well as the foundation for technical work.

Technical Studies.

There are three general courses, the Agricultural, the Household Economy, and the Mechanical. These look forward to the preparation of the student for some business industry.

The agriculturist must have a special knowledge of the science of chemistry and be able to make both qualitative and quantitative analyses. This involves analysis of soils, as well as determining the food values of grains and grasses.

This line of work, it will be observed, leads to a special field—agricultural chemistry. But chemistry underlies to a great extent the science of geology and mineralogy, and thus it is the means of opening a special field—metalurgy.

What could be more important to the citizens of Oregon than to thus lay bare its mountain wealth and to discover and to adapt to our rich valleys new food plants.

Zoölogy, leading up through comparative anatomy, physiology and hygiene, precedes and forms the basis for the study of veterinary science, entomology, and ornithology. These are alike, subjects invaluable to agriculture and horticulture.

Entomology itself has become a special field for investigation, and rich finds are yet to be made in this state.

To these must be added a scientific and practical knowledge of drainage, methods of preparing the soil for the crop; the study of the history of the breeds of stock; methods of feeding; the how? the why? and the what? The preparation of foods and the study of food values, the silo and the preparation of silage, are each most valuable subjects for discussion and investigation.

But in addition to this, the student of Agriculture must have prosecuted his study of botany far beyond its elementary form. Structural botany, plant physiology, and the hygiene of plant life are each subjects in which the agriculturist and the horticulturist are intensely interested. The diseases which attack plants, again open up a new field which can only be studied under the microscope, hence microscopy—a new field of work in itself—must be mastered. The study of fungus diseases and their remedies, and the effect of climatic conditions on vegetation, are each subjects for consideration in economic botany. Entomology here touches upon the science of botany, since it is necessary to know what insecticides will destroy the insect and not injure the plant.

Horticulture, as is well understood, is but a subdivision of agriculture, hence the Agricultural student must have studied horticulture as a science and an art before he is prepared to graduate. He must understand grafting, layering, and budding. He must understand the best means of cultivating roots, fruits, and flowers. Here is opened up a wide field in which every citizen of Oregon is interested. There is a Philosophy here to be taught which is invaluable. New flowers, fruits, and vegetables are each year invented. It is true that there are old-fashioned plants, flowers, and grains, and that newer and better varieties are each year being developed. In the past these were secured by accident. But cross fertilization, which is the science upon which the so-called hybridizing is based, is a most important subject in all departments of agriculture. The student in agriculture must become acquainted with all these subjects.

In addition to his knowledge of scientific agriculture, he must be able to take charge of the machinery of the farm. This includes a knowledge of the management of the steam engine and the ability to repair, to put together, and to take to pieces, the reaper, the thresher, and all the ordinary farm machinery. The drill which he receives in the wood shop and the blacksmith shop is the preparation for this work.

Dairying is one of the subjects allied to agriculture; hence each student is required to understand the scientific processes by which dairy products are produced.

In addition to understanding the science theoretically, he must perform the work in the dairy. Here the management of the work of the dairy is fully exemplified. This work is required both of those in the agricultural and the household economy courses.

Those who complete the Household Economy course have all the literary work of those completing the course in agriculture. The Household Economy course includes besides horticulture, work in floriculture, many phases of landscape gardening, and dairying. The industrial work of this course includes sewing, dress-making, millinery, cooking, the chemistry of cooking, in fact, all that goes to make up the art and science of Household Economy. Here, too, they receive a special course of instruction in a knowledge of their own organism—how to secure health and maintain it.

The mechanical student completes all the literary work of the school, and all those branches which underlie the technical work of the department.

Having completed his work in free-hand drawing, he is now prepared to enter upon mechanical drawing which is the basis for his work later in Architectural drawing. His industrial work for the first year is in wood, which is all wrought from designs prepared. His industrial work, the second year, is in the blacksmith shop. Here he not only designs, but fashions his work in accordance with the plans prepared.

His third year industrial work is in the machine shop, where he learns how to fashion iron, cast or wrought, into all its useful forms. The science of mechanics is the basis for his work. The science of the machine and the strength of material are each involved.

His fourth year includes the application of calculus to the determina-

tion of forms, to the strength of materials, and to the application of forces. The steam engine and the dynamo must be mastered in theory and practice. His industrial work is the manufacture of a completed machine assigned by the professor in charge of that department. This work includes the making of the drawings, the manufacture of patterns for castings, if it be necessary, and the work requisite to its complete adjustment in the machine shop.

The class of '93 manufactured a dynamo which was intended to operate eight incandescent lamps of sixteen candle-power.

The class of '95 completed the construction of a six horse-power engine, which is now used to run the dynamo.

The class of '96 has made two lathes for use in the wood shop, and in addition a storage battery.

The above is an outline of the work which has been carried on in each department. Industrial work of one hour each day is required of every student. This work as a rule is not that which will be profitable to the institution as an investment, but that which will benefit the student. It is practically the laboratory work in those technical sciences in which the student is engaged.

The laboratory work in all the scientific branches during the last two years has been increased.

In chemistry, physics, physiology, zoölogy, entomology, and botany, laboratory work of two hours each other day has been required. In this respect we are keeping abreast with the better scientific institutions in the United States.

Required Labor.

In this institution, which is really an industrial school, each student is required to devote one hour daily to labor. The kind of labor depends upon the course which the student is pursuing. If he is in the Agricultural course, then it includes all the kinds of labor which is done at the farm, garden, and dairy, thus putting into practice that which has been taught in the classes,

He is required to make surveys for tile drainage as well as to take lessons in laying tile; he sows the seed, notes the growth and development of the plant, and the fruitage; he is taught to graft, to bud and to cultivate the tree or plant properly, as well as to prune and train it; and during the first two years he learns the art of carpentry and blacksmithing. If he is in the Mechanical course he learns the art and philosophy of making all the forms of work in wood and metal, as is indicated above. If the student is pursuing the course in Household Economy, she is taught the art and science of sewing, dressmaking and fitting, canning, preserving and cooking. In addition to this, she is required to do work in millinery, household gardening, including grafting, budding and floriculture.

Thus it will be seen that the work required of the student is along the line and in pursuance of the course which he has undertaken. The reasons for requiring work are the following:

First—Because it is the best means of testing the work of the class-room.

Second—Because of the educative value which comes from enforced accuracy and neatness.

Third—Because the knowledge thus gained enables the student to acquire any trade or vocation readily when he leaves the school.

Fourth—Because it stimulates the student to habits of self-reliance and respect for physical labor. The student who looks upon physical labor as beneath his dignity, or who would show disrespect for the laborer because he is a laborer, is wholly unfitted for training in this institution.

Fifth—Because physical labor and the practical knowledge of how to perform it, inspires the student with higher ideals of life and best fits him on graduation to compete with skilled labor.

Sixth—Because it enables him to become a more useful member of society.

Location.

The State Agricultural College is located at Corvallis, Oregon, 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.

Post Office, Express, and Telegraph.

The post office address is Corvallis, Benton Co., Oregon. The Western Union Telegraph Company and Wells, Fargo & Company's Express have offices in Corvallis.

Boarding Halls.

Cauthorn Hall and the Girls' Hall have been erected by the Board of Regents for the purpose of providing students with cheap board and lodging.

The Halls have, under the direction of the Board of Regents, been changed into club Halls under the general management of Miss Prof. Snell. The board under this plan will be greatly reduced.

The Girl's Hall, during the past year, has been under the immediate management and control of Prof. Margaret C. Snell M. D., of the Department of Household Economy. The work of this department sewing, cooking, millinery, dressmaking, etc., is now all carried on in the Girl's Hall, Miss Snell and the matron both reside in the building.

At the beginning of the year, the students and those residing in the Hall formed themselves into a club. In this way they materially reduced their expenses, the cost, including suitable help, has averaged about \$1.00 per week. It is believed that the expenses need not be greater the coming year. The Hall is furnished with electric light.

DEPARTMENTS OF STUDY.

Mental and Moral Philosophy.

PRESIDENT JOHN M. BLOSS, A. M., Professor.

THIRD YEAR.—Political Economy will be studied during the first term.

Text-book—Laughlin.

FOURTH YEAR.—*Second Term.*—Psychology will be studied during the term. Text-book—Baker.

FOURTH YEAR.—*Third Term.*—Ethics will be studied during the term. Text-book—Peabody.

Course in English.

JOHN B. HORNER, A. M. Professor.

The most valuable acquisition which the student can make in his collegiate course is the power to express his thoughts in good English. The ability to do this can be acquired only by the study of standard authors and daily practice; hence it is proposed to give as much time to the practice in the art of expression and the study of the use of words, as to the study of the philosophy of language and the laws to which style must conform. Therefore practice in essay writing, and the study of the use of words will be required in connection with all work in English.

Throughout the entire course, two periods each week will be devoted to the study of literature; and the pupil will be required to commit to memory and recite in class, choice extracts from the various authors studied. During his connection with the institution, he will have the privilege of attending one of the college literary societies, where he will receive instruction in phonology, also in forensic and parliamentary usage.

FIRST YEAR.—Text-book—Lockwood's English, and Cathcart's Literature. All miscellaneous exercises to be written carefully with pen and ink in books especially prepared for this work.

First Term.—General hints as to margins, paragraphing, punctuation, capitalization, and preparation of manuscript; from 1 to 5 recitations, according to previous attainments of class.

Common Errors in the use of English; time, 6 weeks. In connection with this subject, the class will read extracts from Irving and other authors for the purpose of contrasting the style of a master with the solecisms of the lesson. The student will occasionally analyze sentences, giving the syntax of peculiar constructions. He will be taught how to use a dictionary, as well as the use and value of the gazetteer, the encyclopedia, the dictionaries of mythology, biography, and etymology, the hand-books of quotations, and the dictionaries of phrase and fable.

Punctuation and Capitals, 5 weeks. Review of term's work, 1 week.

Second Term.—Letter writing, 2 weeks; supplementary reading, Townsend's "Analysis of Letter Writing," and the Letters of Napoleon Bona-

parte, Robert Burns, Benjamin Franklin and George Washington. Composition, 4 weeks.

Sentences, 6 weeks.—Grammatical and rhetorical classifications; clearness, extracts from MacCaulay; emphasis, extracts from Webster; unity, extracts from Webster; strength, extracts from Webster; harmony, Moore, Review of term's work.

Third Term.—Figures of speech, 7 weeks. History of the English language, 4 weeks. Saxon and classical elements, and analysis of words by the aid of the dictionary. Review of term's work, 1 week

SECOND YEAR.—*First Term.*—Text-books, Lockwood's English and Genung's Analysis.

Saxon and Classical Elements, 2 weeks; lectures on Prosody, 2 weeks. Diction, 8 weeks. The work is to be pursued with critical study of words from the dictionary and other books of reference. Purity, 2 weeks; supplementary reading, Bryant; Propriety, Analysis of Words, and Campbell's "Canons on Divided Usage," 3 weeks; Precision and Analysis of Words, 3 weeks. Review of term's work, 1 week.

Second Term.—"Graham's English Synonyms," with study of Antonyms and Paronyms; two theses of about one thousand words each; books of reference, Webster's International Dictionary and Roget's "Thesaurus." Supplementary reading; one drama from Shakespeare, of which the student will write a review of at least 700 words.

Third Term.—Rhetorical Practice, [Day]; Invention, 8 weeks; Theme; Parts of Discourse; Simple Narration and, essay of at least 500 words; Abstract Narration, and essay of at least 500 words; Complex Narration, and essay of at least 600 words; Simple Description, and essay of at least 500 words; Abstract Description, and essay of at least 600 words; analysis; division; forensic of at least 800 words; review, one week.

General review of style, 3 weeks. Supplementary reading to be selected.

THIRD YEAR.—*First Term.*—Higher Rhetoric, A. S. Hill; supplementary reading, Shakspeare.

Second Term.—History and Philosophy of English Literature, Kellogg; supplementary reading, selections from English Authors. Each student will write at least six reviews.

Third Term.—History and Philosophy of American Literature, Smythe; supplementary reading, selections from American Authors. Each student will write at least eight reviews.

FOURTH YEAR.—*First and Second Terms.*—Jevons' Logic; Baker's Essays and other supplementary reading.

Third Term.—"Trench on Words;" one thesis, 1,500 words.

Mathematics and Engineering.

GORDON V. SKELTON, C. E., Professor.

CHARLES L. JOHNSON, B. S., Assistant.

The course in Mathematics includes only 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.

In pure Mathematics it includes Algebra, Plane and Solid Geometry, Plane and Spherical Trigonometry, Analytical Geometry, and Calculus; and in Engineering,—Surveying, Leveling, and Road-making.

Special attention is paid to the field-work of Surveying and Leveling. The students themselves use the instruments, make the measurements, record the field notes, and then plat and work up the notes thus obtained from actual field practice.

At all times thoroughness and accuracy are insisted upon, and orderly and logical demonstrations in the class-room are required of each student, in order that he may receive the full benefit of the application of this science to the practical affairs of life, and its ability to strengthen and discipline the intellectual powers.

Applicants for admission into the College must have completed Arithmetic and be able to pass a satisfactory examination upon the subject. A thorough familiarity with common and decimal fractions, and percentage in all its applications, will be required. It is desirable, but not necessary, that the student should have studied Algebra as far as equations.

The text-books used are Milne's Algebra, Geometry and Trigonometry; Cahart's Surveying; Gillespie's Road-making; and Taylor's Calculus.

The Engineering department has been supplied with the necessary instruments, including a compass, transit, plane-table, level, rod, chains, and tapes.

Physics, History, and Latin.

F. BERCHTOLD, A. M., Professor.

Physics.

Instruction in Physics is given to the young men of the Mechanical course and those who are candidates for the B. S. degree for three terms, and to the agricultural students and girls for two terms in the third year. Laboratory work is practiced here as in chemistry. The subject is begun in the second term of the third year, and during this term the laws of dynamics and heat are studied. There are three recitations weekly, and two consecutive hours twice a week are spent in the laboratory.

During the third term the important subjects of Sound, Light, and Electricity are studied by means of experiments and recitations, as in the previous term. In this course, as in Chemistry, the student deals personally with the apparatus described, and in such ways as will give training and knowledge.

In the fourth year the work consists mainly of accurate measurements. The following are some of the exercises assigned: Exercises in exact weighing; exercises in exact measurement with micrometer; determination of acceleration due to gravity; determination of melting points of various substances; practice in determining

specific gravity by different methods; determination of physical constants; testing of thermometers; determination of the focal length of lenses and mirrors; electrical measurements; measurement of the candle power of a source of light. The work is done under the personal direction of the instructor. The course is open to young ladies who have completed the two previous terms of physical work.

Text-books.—Appleton's Physics for the introductory course; Allen's Laboratory Practice as a guide for the higher course, with Whitney's Physical Measurements for reference.

History.

"History is the record of past and present actions which have had, or are having, a bearing upon the welfare of man."

A. Ancient History.—This subject is studied by students of the B. H. E. course in the second year, from text books and lectures.

Text Books: Meyer's Ancient History; Rawlinson's Ancient History, (student series.)

B. Mediæval History. Studied in the first year during two terms.

Text Books Meyer's Mediæval History, supplemented by Hallam's Middle Ages; Guizot's History of Civilization.

C. Modern History.—Studied during second year, one term.

Text Book: Meyer's Modern History, supplemented by frequent lectures on the more important periods, *i. e.*, the great Reformation; Thirty Years' War; English Reformation; French Revolution, etc., etc.

Latin.

The study of Latin is optional except with candidates for the Degree of B. S. and B. L., who may study that language during the second, third, and fourth years; it is required in the fourth year. This is a subject that underlies our modern culture. Its study gives proper conception of the thought and life of the Roman people. The mastery of the Latin Grammar, is a valuable aid to the more thorough understanding of English as well as other languages.

Text Books; Collar & Daniell's Beginner Latin; Allen & Greenough's Latin Grammar; Gildersleve's Latin Reader; Cæsar, Allen & Greenough; Sallust, Anthon; Cicero, Allen & Greenough; selections from Horace, Chase.

Free-hand Drawing.

E. F. PERNOT, Instructor.

No branch of education is more important than that of free-hand drawing. There is no other in which the constructive imagination is so directly cultivated. It is also an important aid in the study of all other branches and is of the greatest importance in after life, in all the business industries or in professional pursuits.

In this school, drawing from the flat copy is but little practiced. Instead of this the pupil is required to draw from objects. Later he is required to draw groups of objects as he sees them.

This study is pursued throughout the three terms of the first year, and the practical work of sketching is interspersed with lectures on composition and perspective, (linear and aerial). The knowledge thus gained is then put into practice in the last term in sketching from nature.

Agriculture.

H. T. FRENCH, M. S., Professor.

F. L. KENT, B. Agr., Instructor in Dairying.

This course is designed to prepare young men for practical agriculture. and extends through the first, second, third and fourth years.

FIRST YEAR.—Third Term.—History, characteristics, and adaptation of the different breeds of domestic animals.

SECOND YEAR.—First Term.—First half.—The study of the general principles of drainage; laying out and constructing farm drains; the effects of drainage upon the chemical and physical conditions of soil.

Second half, theoretical dairying will be taught in the class-room one hour each day. Instruction will be given by use of text-book and lectures.

Second Term.—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 soils.

Third Term.—One-half term will be given in practical dairying.

THIRD YEAR.—First Term.—Practical work in dairying for Household Economy students.

Second Term.—($\frac{1}{2}$)—Stock breeding. $\frac{1}{2}$ —Veterinary science.

Lectures will be given on the anatomy of the horse and upon the subject of Veterinary pathology. Owing to the limited time in which instruction is given, only the most common diseases are discussed. Special stress is placed upon the prevention of diseases by proper care and management.

Third Term.—Veterinary science.

FOURTH YEAR.—First Term.—Stock feeding.

Third Term.—Agricultural engineering and road-making.

Instruction is given largely by lectures, suitable books being selected for reference. Miles' book on drainage. Curtis' "Horses, Cattle, Sheep, and Swine." Warfield's "Cattle Breeding," Stewart's Stock Feeding, American Dairying. Gurler's book on "Practical Dairying." "Roads, Streets and Pavements," by Gilmore.

The College and Station farm consists of 180 acres, 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. For all optional labor the student receives 10 cents per hour.

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.

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 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 Economy 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.

Short Course in Dairying.—A portion of the winter term will be set apart for practical instruction in dairy operations for the benefit of all who wish to avail themselves of the opportunity. This will be connected with the short course in Agricultural and Horticultural instruction.

Botany.

U. P. HEDRICK, M. S., Professor.

D. W. TRINE, B. S., Instructor.

Work in botany is required of all students in the Agricultural and Household Economy courses. The arrangement of classes, as regards collegiate terms and years, is as follows:

FIRST YEAR.—*Third Term*—Structural.—The work will be given mostly in lectures and laboratory work. Gray's "Lessons in Botany" will be used as a reference book and Rattan's "Key to West Coast Botany" as a guide in plant analysis. The aim will be to teach students to observe accurately; to make them familiar with the structure of the higher plants and the terms used in describing them. Analyses of a few common plants will be made.

SECOND YEAR.—*Third Term*—Systematic.—The study of the gross anatomy of plants will be continued through this term in lectures and laboratory work using Spaulding's "Introduction to Botany" as a laboratory manual. A study of the most important families of plants will be made, and the student will be expected to acquire a knowledge of the classification of flowering plants, their names and descriptions, especially of common plants, and those of economic importance.

THIRD YEAR.—*Second Term.*—Physiological.—The Juniors will devote two hours per day to the study of plant histology and physiology. The class work will follow Essey's "Essentials of Botany" as

a laboratory guide. The subject matter will be plant tissues and their functions, nutrition, growth, assimilation, etc. Drawings will be made of all plant tissues.

THIRD YEAR.—Third Term.—Cryptogamic.—The work will be given in lectures and laboratory work two hours per day with Bessey's "Essentials of Botany" as a laboratory guide. A study will be made of the morphology and life history of the various groups of cryptogams, special attention being given to harmful "rusts," "smuts," "moulds," and "mildews" with methods of exterminating them. A systematic classification of lower plants from the simplest form up to the flowering plants will be attempted, this will entail a knowledge of the comparative structure of the organs upon which a systematic classification is based. Some attention will be paid to the evolution of plants, especially as a verification of some facts in science.

Horticulture.

U. P. HEDRICK, B. S., Professor.

GEORGE COOTE, Instructor.

Four phases of Horticulture are taught, viz: vegetable gardening, fruit growing, floriculture, and landscape gardening. The following is the arrangement of studies for terms and years.

FIRST YEAR.—First Term.—Vegetable gardening.—In this term's work Henderson's "Gardening for Profit" is used as a text book. Class-room and out of door lectures are given on practical points of the subject. All vegetables suited to this climate are grown in the College gardens and will be aids in securing for the student practical training in gardening.

FIRST YEAR.—Second Term.—Fruit growing.—The students, this term, are given instruction in budding, grafting, pruning, tilling, harvesting, drying, and marketing fruit. "Thomas' Fruit Culturist" is used as a text-book; lectures are given as well; and it is intended that the various operations shall be performed by the students as far as possible. This method of instruction is considered the better.

THIRD YEAR.—First Term.—Floriculture.—Under this head instruction is given in the propagation and cultivation of flowers, indoor and out. The subjects of testing seeds, forcing vegetables, and hot-house culture are also treated. "Henderson's Practical Floriculture" is used as a text book, but as in the previous studies, lectures are given and much made of practical work in the green-house.

FOURTH YEAR.—First Term.—Horticulture.—The work, this term, is largely an application of the supporting studies, botany and chemistry.

The work will be somewhat theoretical and will consist in a study of plants, their growth, nutrition, structure, propagation, improvement, functions, climatic adaptation, evolution, etc. Instruction will be given by lectures.

FOURTH YEAR.—Third Term.—Landscape Gardening.—Instruction is given in lectures in which landscape gardening is treated as a fine art. Introductorily the arts of design in general are discussed. This is followed by

lectures on the principles, aims, and methods of artistic gardening. The principles once understood, they are applied to the embellishment of home grounds, cemeteries, parks, highways, etc. The student is also given instruction in making drives, walks, and all phases of art out of doors.

Zoology and Entomology.

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

Work in this department is required of all students in the agricultural and household economy courses, throughout the junior year, and is elective to all who have had the requisite preparation, throughout a part or the whole of the senior year. The department is well supplied with charts, models, skeletons, mounted and alcoholic specimens etc, and with the necessary instruments for investigating and illustrating the subjects taught.

In all instruction, laboratory work goes hand in hand with text-book or lecture. The student is expected not only to demonstrate for himself, as far as possible, the facts presented in text-book or lecture, but is encouraged to make independent observations, and to make full notes and drawings of all his work.

Systematic Zoology.—This subject occupies seven hours per week throughout the first term of the junior year. The subject is taught by a series of lectures on the structure and relationship of the various groups of animals, illustrated by specimens, models, diagrams, and charts, and by individual laboratory work on some typical forms. The object of the course is to acquaint the student with the structure of living organisms and to introduce them to the principles of Zoological classification. So far as possible the needs of an agricultural course are kept in view,—more especial attention being given to those forms that bear some economic relationship to the various branches of agriculture. Laboratory manual—Dodge's, "Practical Biology." Reference to a considerable list of standard works is also encouraged.

Anatomy and Physiology.—This subject occupies seven hours per week throughout the second term of the junior year. The instruction is conducted on the same general plan as is Zoölogy. In the laboratory each student is expected to acquaint himself with the more elementary features of mammalian anatomy by dissecting one or more typical mammals under the instructor's direction and to familiarize himself with the structure of the more important tissues by microscopical examination. Considerable time is given to experimental physiology—many of the demonstrations being particularly valuable to those expecting to teach the subject in our public schools. Some attention is also given to the comparative anatomy of domestic animals as a preparation for the work in veterinary science which follows. Practical talks are also given on hygiene, sauitary science, and the effects of stimulants and narcotics.

Text-book, Martin's "Human Body," Labatory Guide, Martin's "How to

dissect a Rodent." Reference Works, Foster's, "Physiology," Dalton's, "Physiology," Gray's, "Anatomy."

Entomology.—Seven hours per week are given to entomology throughout the third term of the junior year. The instruction is conducted along two lines. First, Structural and Systematic Entomology; Second, Economic Entomology. The former occupies four hours per week throughout the term, and consists principally of work in the laboratory and field. The fore part of the term is occupied in dissecting some typical insects to get a working knowledge of insect anatomy, and later the student is required to collect, and properly mount and label, a series of insects representing the principal orders, and to classify them as far as possible.

The work in Economic Entomology consists of a series of about thirty lectures on the principal insect pests of the farm, garden, orchard, and house, and on the most approved methods of combatting them. The work is illustrated by a small but rapidly growing collection of Oregon insects and by numerous insecticide preparations, spray pumps etc.

Text-book, Comstock's "Manual."

Chemistry.

G. W. SHAW, Ph. D., Professor.

JOHN F. FULTON, B. S., Assistant and Instructor.

FRANK E. EDWARDS, B. M. E., Instructor.

Throughout the second year the work of students in all courses includes the study of chemistry by means of recitations, lectures, and laboratory practice.

1. *SECOND YEAR.—First Term.* Three hours each week are devoted to recitations and lectures, and four hours per week to laboratory practice. A brief discussion of chemical theory is given, and followed by a careful study of the non-metals, and the fundamental principles of the science, as outlined in Shepard's Chemistry.

During the term, special attention is paid to the phenomena of chemical action, combination by weight and volume, and the formation of acids, bases, and salts, together with their relation one to another. The daily recitations and frequent examinations, with the solution of stoichimetical problems serve to fix and make accurate the subjects studied. The practicum of this session consists of illustrative experiments on the elements studied and their chief compounds. It is designed to introduce the student to chemical manipulation and familliarize him with the properties of the most important non-metals.

2. *Second Term.*—The subject is continued in a similar manner during the winter term, the time being devoted to a study of the metals and their compounds and the means of identifying them. Special attention is given to such metals and their compounds as are of agricultural and mechanical importance. During this term the student is expected to become familiar with the usual methods of identifying the more important metals, and to write

equations for each reaction studied in the laboratory. Text-book, "Caldwell's Chemical Analysis."

3. *Third Term.*—Qualitative analysis is continued during the Spring term. The student is required to apply and to study the reactions involved in the ordinary methods of separation and identification of substances. Each student is supplied with a complete set of apparatus and reagents by means of which any ordinary substance may be analyzed. The analysis deals with single and mixed simple substances, and puts into the hands of the student all reactions by wet and dry methods ordinarily used in qualitative analysis, but deals with only those substances ordinarily met with in chemical work. It is intended to give the student that carefulness of manipulation and accuracy of observation required in the following work. Such chemical work is of value not only in affording an intimate knowledge of the various chemical reactions and compounds, but also in training the reasoning power of the student for the solution of analytical problems, and special attention is paid to this phase of the work. During this term there is alternating with the laboratory work, a brief lecture course in Organic Chemistry, designed not so much as a systematic presentation of the subject as to familiarize the student with some of the more important carbon compounds.

4. *THIRD YEAR.—First Term.*—Agricultural Chemistry.—Throughout this term there is considered the more intimate relation of the science to agriculture. The subject is taught by lecture with references to Johnson's "How Crops Grow" and "How Crops Feed." Such subjects as the elements essential to plant growth, the supply of plant food, soils and fertilizers, lime and its effects, phosphates, potash salts, nitrogen compounds, their source, manufacture and use; waste products of the farm and how they may be utilized; the chemistry of milk, butter, and cheese, and other food products, and their adulteration will be treated as fully as time will permit. The practicum of this course is a continuation of course 3, and consists of the detection of substances in mixed solutions and solids, including waters and fertilizers, as well as a limited amount of work in volumetric analysis. The course is open only to those who have completed all preceeding courses.

5. *FIRST TERM.*—Domestic Chemistry.—Five hours per week are devoted to a study, by lecture and recitation, of the chemistry of the household relative to cooking and cleaning, dealing with such substances as foods and their adulteration, water and its purity, cleansing agents, and many other topics. Opportunity will be given for some laboratory practice. Course 5 is open only to lady students who have completed courses 1, 2, and 3.

6. *FOURTH YEAR.—First Term.*—This is a continuation of course 4 and is devoted to Quantitative Analysis. The student takes up work given in the text-book, making the ordinary fundamental determinations. A quiz is held frequently to test the student's thoroughness of work. This course is open only to those who have completed courses 1, 2, 3, and 4. Ladies may take the course by electing course 4 in place of course 5.

For B. S. Degree.

Elective work in Chemistry is offered, for two terms, to candidates for a Bachelor of Science degree, and provides a greater variety of analytical work than is given in course 6.

7. This course is intended for those who may desire to specialize in chemical work or to make an extended study of any particular chemical line. It offers such work as the following: analysis of limestone (complete,) milk, butter, cheese, water, urine, sugar (both volumetric and polariscopic) and various minerals. A student desiring to investigate along any particular line, as mineral, sanitary, agricultural, or medicinal analysis, will be allowed to do so.

8. In lieu of course 7 for one or both terms may be taken the study and preparation of organic compounds, using Orndoff's Manual.

9. Assaying.—This course is elective with courses 7 and 8. It includes assays of gold, silver, lead, and copper in the more common ores, in the first term, and may be continued in course

10, which includes coal and iron. The work of the final term will be left largely to the student's choice but confined to the course elected, and will be entered upon in preparation for a thesis. The nature of the work must be approved by the head of the department.

Text book for assaying, Rickett's Notes, and Brown's Manual.

Geology.

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. This is followed by one term's work in blow-pipe analysis of the more common minerals. Text-book "LeConte's Geology," "Foye's Determinative Mineralogy."

The chemical laboratories are commodious and exceptionally well supplied with apparatus, and reference books. For the thorough study of chemistry the facilities offered are not excelled in the Northwest.

Household Economy and Hygiene.

MARGARET C. SNELL, M. D., Professor.

Mrs. MARY AVERY, Assistant.

The object of this department is to teach girls how to cook; the art of sewing, cutting, and fitting; the elements of the milliner's art; and how to take care of their own health and that of a family. Few things contribute so much to the welfare of a family, and hence of the State, as the attention given to secure the health of the household. The proper preparation of food is useful in two respects: first, it leads to health; and secondly, to economy. The best manner of preparing food for the table, as well as the best methods of serving it, are taught in this department, nor are these small matters. This department endeavors to infuse refinement into the culinary department of home life. True household economy requires that

every girl should be able to cut and fit her own clothing, and to trim her own hat or bonnet. To these arts much time is given.

Special attention is given to the subject of hygiene, by lecture and daily precepts, the purpose of this teaching being to inspire all with the necessity of hygienic living as the only guarantee to happiness and success in life.

The work of this department has been transferred from the main building to the girls' Hall. Two rooms have been fitted up, the one for sewing and general lectures, under the supervision of Miss Snell; and the other, for millinery and dress-making, under the immediate direction of the assistant.

Mechanics and Mechanical Engineering.

G. A. COVELL, M. E., Professor.

E. G. EMMETT, B. M. E., Instructor in Iron.

D. W. PRICHARD, Instructor in Wood.

The course in Mechanical Engineering is a four-year course leading to the degree of Bachelor of Mechanical Engineering. It 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 following is an outline of the work in the Mechanical Department:

FIRST YEAR.—Shop Work.—Wood-working, including Carpentry, Joinery, and Wood-turning, 5 hours per week throughout the year.

SECOND YEAR.—Mechanical Drawing is begun in first term and continued through two terms, 5 hours per week.

Shop Work.—Blacksmithing extends through the year, 5 hours per week. The work includes forging, welding, and the making and tempering of tools.

THIRD YEAR.—Drawing is continued during Fall term, 5 hours per week; Elements of Mechanism, 5 recitations per week during the first two terms; the study of the Steam Engine during the Spring term, 5 recitations per week.

Work in Machine Shop, includes the vise and machine-work, 5 hours per week throughout the year.

FOURTH YEAR.—Steam Engine is continued, 5 recitations per week.

Mechanics, 5 recitations per week during the year.

Machine Design, 5 recitations per week during Winter and Spring terms.

Shop Work.—Building, repairing, and setting up machinery, 5 hours per week during the year.

Text-books.—The text-books used are: Woods' Elementary Mechanics, Stahl & Woods' Elements of Mechanism, Kinnealy's Steam Engines and Boilers, Smith's Machine Design.

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.

Equipment.

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.

In the wood-working room are sixteen carpenter benches, each furnished with a locker containing a set of tools. There are also four turning lathes, one pony planer, one circular saw, one scroll saw, one band saw, besides numerous small tools for general use not included in the regular sets.

The blacksmith shop contains nineteen stationary forges having power blast and one portable forge to be operated by hand. The blast is supplied by a Buffalo blower, and the smoke is removed through a system of sheet-iron pipes, by an exhaust fan placed in the room above. Anvils, hammers, swedges and the usual number of small tools complete the equipment.

The machine shop is supplied with benches, vises, files, etc., for hand work, and one 24-inch drill press, one 16-inch shaper, one 12-inch speed lathe, one 16-inch and one 14-inch screw-cutting lathe for machine work. one six foot planer, besides reamers, mandrels, screw plates, scales, calipers, and various small tools.

The power for the shops and printing office is furnished by a 45-horse power engine.

Agricultural Students.

Agricultural students will have wood-work during the second and third terms of the first year. and iron-work during the second and third terms of second year. In addition to the regular work in wood and iron there will be training given in the practical work of farm mechanics. The course involves the repair of farm machinery, and engineering will be carried far enough to enable the student to manage all farm machinery run by steam.

Military Science and Tactics.

1st Lieut. C. E. DENTLER, 11th U. S. Infantry, Professor.

"I have a country and a flag." "We must not underestimate the importance of instructing the young men of the country in the duties of the soldier, that we may not be entirely defenceless in the face of so terrible a danger as modern war."

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 class and to the 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, 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 consist in the daily drills in the school of the soldier, company, battalion, battalion ceremonies, and battle tactics.

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 four companies and a military band of thirteen 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 different military organization.

Battalion Staff.

Cadet 1st Lieut. and Adjutant F. A. Buchanan.
 " Sergeant Major..... P. E. Alger.
 " Color Sergeant..... Edwin Abernethy.
 " Color Corporals George Weaver, Dennis Stovall.

BATTALION BAND.

Drum Major, Cadet Sergeant..... Frank Crawford.
 Chief Musician, Cadet Second Lieutenant..... Martin Spangler.
 Cadet Sergeants, Ralph Terrell, Don Ray, W. F. Keady and Arthur Wood.

Cadet Corporals, Victor Moses, W. T. Lee, W. Harrison and H. Beard.
 Privates, F. L. Colvig, J. L. Davidson and F. W. Smith.

COMPANIES.

	"A."	"B."	"C."	"D."
Captains	Chas. L. Owsley	Clyde Phillips	F. E. Edwards	A. D. Morrison.
1st Lieutenant	Lee Beall	Chas. G. Porter	J. E. Adamson	H. W. Kelley.
2d "	H. L. McAlister	J. C. Smith	H. Friendley	Charles R. Porter.
1st Sergeant	Robert Golden	M. R. Johnson	D. H. Bodine	H. H. Veatch.
2d "	Otis Taylor	George Korthauer	L. A. Johnson	J. G. McCune.
3d "	S. C. Brown	Charles Small	A. J. Tharp	F. M. Wood.
4th "	W. H. Becker	E. J. Newton	L. B. Andrews	L. E. Cooper.
5th "	C. T. Colt	E. W. Stimpson	S. E. Trask	H. J. Elliott.
1st Corporal	Chas. McKnight	W. B. Daggett	W. J. Gilstrap	Loren T. Powers.
2d "	S. R. Archibald	George Nichols	Frank Fendall	L. Plummer
3d "	Arthur Stimpson	J. R. Cooley	W. W. Ifigs	E. J. Lea.
4th "	Lee Rusk	L. A. Noel	Frank Groves	J. G. Aldrich.

Admission.

TUITION is absolutely **F R E E**: there is no **INCIDENTAL FEE**.

The **PREPARATORY DEPARTMENT** has been abolished.

Conditions of Admission to the First Year.

In order to enter the first-year Class the applicant must pass a satisfactory examination in Reading, Spelling, Geography, Arithmetic, written and mental, United States History, and English Grammar.

Those applicants who have completed a high school course will be admitted to the First year without further examination than the presentation of their diplomas. Those who have graduated from the city grammar school may have their examination much shortened by presentation of their diplomas, together with the course of study which they have completed.

Conditions.—Any student who is found upon examination to be deficient in one subject only will be admitted, provided he can make up the deficiency in *six* months under the direction of a tutor. Such student will be required to pay *five dollars tuition* for the payment of the tutor. A tutor will be employed by the college to whom such students will be required to report.

Rules.

1. Students upon their arrival at the College must report at once to the President, who will give them directions as to examinations and classes.

2. Students from other schools must bring certificates of good conduct from the faculty of the schools whence they come.

3. Reports of absence or misconduct will be handed to the President and students will be required to answer for such absence or misconduct, and the President will at once assign such penalty as the case may require.

4. Students from a distance are expected to live in the Boarding Hall or in special cases, in such families as shall be approved in writing by the parents of the Student, and by the President of the College. Such students must be in Hall for the night by seven o'clock, from Monday to Friday, and 9 o'clock on Saturday and Sunday, unless in cases of special permission for leave until a later hour, and this rule will apply throughout term time; "In Hall," will be construed to extend to such precincts of the Halls as the Faculty shall determine. Students residing, by permission, in Corvallis will not be allowed to be on the streets of the city after 9 P. M.

Course of Study.

The following four-year course of study was adopted in 1894. Those who enter the first, second or third year classes will follow this course.

FIRST YEAR—First Term.

AGRICULTURAL.	HOUSEHOLD ECONOMY.	MECHANICAL.
Algebra. English. Lockwood. General History. Free-hand Drawing, Horticulture:	Algebra. English. Lockwood. General History. Free-hand Drawing. Principles of sewing, work in sewing, talks on hygiene.	Algebra, English, Lockwood, General History, Free-hand Drawing. Wood-work.

Second Term,

Algebra, English. Lockwood. General History. Free-hand Drawing. Horticulture: Class-room w'k. grafting, budding, layering. Agricultural Wood-work.	Algebra, English. Lockwood. General History. Free-hand Drawing. Sewing, lectures on etiquette, one each week.	Algebra, English. Lockwood. General History. Free-hand Drawing, Wood-work.
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Third Term.

Algebra. English. Lockwood, Botany. Structural. Free-hand Drawing & Design. Breeds of Stock, Wood-work. Agricultural.	Algebra. English. Lockwood. Botany. Structural. Free-hand Drawing & Design. Sewing. Making simple articles, including underwear.	Algebra. English. Lockwood, Book-keeping. Free-hand Drawing & Design. Wood-work.
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SECOND YEAR—First Term.

Geometry. General Chemistry. English. Dairying. $\frac{1}{2}$. Drainage. $\frac{1}{4}$. Agri. Work. Instruction in seeding, care of stock, plowing, harrowing, drainage. Care of farm implements. Agri. Shop. Blacksmithing.	Geometry. General Chemistry, English. Dairy. $\frac{1}{2}$. Mod. History, $\frac{1}{2}$. Cooking: Canning fruits, lectures on chemistry of cooking, marketing.	Geometry, General Chemistry, English. Mechanical Drawing, Blacksmithing.
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Second Term.

Geometry, Gen. Chem. $\frac{1}{2}$. Qual. Anal. $\frac{1}{2}$. English. Soils and Manures. Agri. shop: Blacksmithing.	Geometry. Gen. Chem. $\frac{1}{2}$. Qual. Anal. $\frac{1}{2}$. English. Modern History. Cooking: Preparation of foods.	Geometry, Gen. Chem. $\frac{1}{2}$. Qual. Anal. $\frac{1}{2}$. English. Mechanical Drawing, Blacksmithing.
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Third Term.

Trigonometry, Qualitative Analysis, Rhetoric. Botany. Systematic. Agri. shop-work: Practical Blacksmithing.	Trig. or Ancient History, Qualitative Analysis. Rhetoric. Botany. Systematic Cooking: preparation of foods.	Trigonometry, Qualitative Analysis. Rhetoric. Mechanical Drawing. Blacksmithing.
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THIRD YEAR—First Term.

Theme Work. Zoölogy. Agricultural Chemistry. Dairying: Practical work in the dairy. Practical work in greenhouse: testing seeds, forcing vegetables, hot-house culture.	Theme Work. Zoölogy. Household Chemistry. Dress-making: Cutting, fitting, etc. Floriculture.	Theme Work. Zoölogy. Elements of Mechanism. Shop-work. Anal. Geometry,
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Second Term.

Synonyms.
Physics.
Physiology,
Analytic Chemistry.
Plant Physiology.

Synonyms.
Physics,
Physiology.
Practical work in dress mak-
ing, cutting, fitting, etc.
Plant Physiology.

Synonyms.
Physics,
Physiology.
Lathe-work.
Anal. Geometry, ($\frac{1}{2}$)
Calculus, ($\frac{1}{2}$)

Third Term.

History of Eng. Literature.
Physics,
Botany, Cryptogamic.
Entomology.
Surveying, with field work.

History of Eng. Literature.
Physics.
Botany, Cryptogamic.
Entomology,
Practical dress making.

History of Eng. Literature.
Physics,
Calculus,
Steam Engines,
Shop Work.

FOURTH YEAR—First Term.

Logic. $\frac{1}{2}$
Meteorology.
Horticulture.
Political Economy.
Stock Feeding.
Work; Department elective.

Logic. $\frac{1}{2}$
Meteorology.
Political Economy.
Millinery.

Logic.
Political Economy.
Steam Engines,
Mechanics.
Shop Work

Second Term.

Trench on Words,
Psychology,
Geology,
Stock-Breeding, ($\frac{1}{2}$)
Veterinary ($\frac{1}{2}$)
Work; Department elective.

Trench on Words,
Psychology,
Geology,
Sanitary Science.

Trench on Words,
Psychology,
Machine Design,
Mechanics,
Shop Work.

Third Term.

American Literature.
Ethics,
Veterinary.
Agricultural Engineering;
Road-making,
Landscape Gardening,

American Literature.
Ethics,
Landscape Gardening.
Needle-work;
Emergency Lectures.

American Literature,
Ethics,
Mechanics,
Drawing and Design,
Shop Work.

Bachelor of Science Course—First Term.

Latin,
Analytical Chem. or Phys.,
Anal. Geom.,
Constitutional Law, ($\frac{1}{2}$)
Philosophy Mathemat. ($\frac{1}{2}$)

Latin,
Analytical Chem. or Physics,
Anal. Geom.,
Con. Law, ($\frac{1}{2}$)
Phil. Math., ($\frac{1}{2}$)

Latin,
An. Chem. or Ph.,
Arch. Drawing,
Con. Law, ($\frac{1}{2}$)
Phil. Math., ($\frac{1}{2}$)

Second Term.

Latin,
Anal. Chem. or Physics,
An. Geom. ($\frac{1}{2}$)
Calculus, ($\frac{1}{2}$)
Con. Hist.

Latin,
Anal. Chem. or Ph.
Anal. Geom., ($\frac{1}{2}$)
Calculus, ($\frac{1}{2}$)
Con. History.

Latin,
Anal. Chem. or Ph.,
Adv. Zoölogy,
Geology.

Third Term.

Calculus,
Mineralogy,
Latin,
Adv. Ent. or Comp. Anat.

Calculus,
Mineralogy,
Latin,
Adv. Ent. or Comp. Anat.,

Zoölogy,
Mineralogy,
Latin,
Adv. Ent. or Comp. Anat.

Latin, optional third and fourth year.

Those who take the B. S. Course will consult the Faculty before enter-
ing upon their fourth-year work.

Department of Music.

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

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 Girls' 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. The Instructor appointed, Miss Dorothea Nash, is a graduate of the College. She has had the advantage of careful training from her brother, Mr. W. Gifford Nash, who is a successful teacher of the "Krause method," acquired by him by long study under Prof. Martin Krause, at Leipzig, Germany.

Expenses.

No matriculation or incidental fee is charged. Tuition is F R E E to all who enter college classes.

Cauthorn Hall and Girls' Hall, this year, while entirely separate in their management, will practically be under the same control as during the past year, viz; Lieut. C. E. Dentler will be commandant at Cauthorn Hall, and Miss Prof. Snell in immediate charge of Girls' Hall.

The success of the club plan last year, at the Girls' Hall under the direction of Miss Prof. Snell, however, has induced the Board to try the club plan under her supervision at Cauthorn Hall during the coming year.

The plan and method of management of the clubs for each Hall will be found on the next page.

The Board will furnish to those living at the Halls, water and light free of charge,

The estimated expenses are as follows:

Board, per year, in clubs.....	about \$ 64.00
Boys' uniform.....	" 16.00
Books and washing.....	" 24.00
Total	\$105.00

Each room in the Halls is furnished with a chest of drawers, chairs, a bedstead with springs, a mattress, pillow, and mirror.

Hence the student must furnish his bedding, viz: sheets (at least three), pillow-cases, blankets, quilts, towels, brushes, etc. In fact, he must furnish all those things which will make his room comfortable.

He should bring those books which would be useful for study or reference. He should have a good dictionary, Webster's Unabridged, or the Academic is recommended.

Students residing in the Halls will be required to make a deposit of \$3.00 to cover any breakage or damage done to college property. If not used during attendance at college it will be returned.

Students desiring to board elsewhere than in the Halls must obtain the written sanction of their parents or guardians, and of the President.

Students who work in the Chemical Laboratory will be required to make a deposit of \$1 50 to cover breakage, and will be required to pay a small fee covering the value of the material used.

Students laboring on the farm and gardens, receive pay at the rate of 10c per hour. Only a 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.

OBSERVATIONS AND REGULATIONS.

Every student who enters this school is expected to be honest, to speak the truth, to obey all rules expressed or implied, to be polite and respectful in his bearing towards fellow students and the faculty, and to visitors and employes; to be prompt, attentive, and diligent in his work.

Contempt of authority by disobedience, insolence, or in other ways, will be followed by suspension or other punishment.

Defacement or damage of College property, gambling, drunkenness, fighting, obscene or profane language, indecency, the entering of drinking or gambling saloons, or any offense liable to criminal prosecution, will be punished by suspension.

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.

College Clubs.

Miss Prof. MARGARET C. SNELL, M. D., Manager.

Cauthorn Hall Club.—This year Cauthorn Hall will be conducted as a club under management of Miss Snell, the Professor of Household Economy. A ten dollar club fee will be charged each student upon entering the Hall, to be used in making the Hall comfortable and home like.

A deposit of seven dollars in advance, for board, for each calendar month will be required; of this, there will be refunded at the end of the month, the balance that remains after paying for the actual cost of living.

It is confidently believed, from the experience gained in the management of the Girls' Hall, last year, that the cost of living will not exceed six dollars per calendar month of 30 or 31 days. The Hall will be under the supervision of Lieut. C. E. Dentler, U. S. A., as commandant.

A breakage fee of three dollars must be deposited with the clerk of the College.

Girls' Hall.

Alpha Club.—The Girls' Hall will be conducted as a club, this year, under the management of Miss Snell, Professor of Household Economy.

A club fee of three dollars will be charged each student upon entering the Hall, to be used in improving the Hall. Five dollars per month will be charged each student for board, to be paid in advance. The increased price of board over last year, is caused by having to furnish wood, for heating purposes, formerly furnished by the College.

A breakage fee of three dollars must be deposited with the clerk of the College.

Statistics.

COUNTIES AND STATES.	Agri. Dept	Mech, Dept.	H. E. Dept.	Post Grad.	Special Course.	Preparatory Males.	Fem'ls.	Total.
Baker		2						2
Benton	12	44	65	5	1	14	15	156
Clackamas.....	2	2	8	1		2		15
Clatsop.....	1	1				1		3
Columbia.....	1	1						2
Crook.....		1	1					2
Coos.....	1	16	1			3		21
Curry.....								
Douglas.....		4	4			1		9
Gilliam		4		1			1	6
Harney.....								
Grant.....		3				1		4
Jackson	1	1						2
Josephine		1				1		2
Klamath	2	1						3
Lake.....	1		1					2
Lane	2	5				1		8
Linn.....	5	18	8	4		6	3	44
Lincoln	2	1			1	2	1	7
Malheur.....	1							1
Marion.....		4				6	1	11
Morrow	1		1	1		1	1	5
Multnomah....	4	6					1	11
Polk	3	16	8			6	4	37
Sherman								
Tillamook.....				1				1
Umatilla.....								
Union.....		3	1					4
Wallowa.....	1							1
Wasco	1	5				1		7
Washington....	1	3						4
Yamhill	3	6	1	1		2	1	14
California.....	1		2					3
Idaho		1						1
Kentucky	1							1
Ohio.....						1		1
New York.....						1		1
Washington ...	2	1				1	1	5
Wyoming.....		1						1
Total.....	49	151	101	14	2	51	29	397
Total in College Department, Males				212		Females 105	Total	317
Total Preparatory Dept.				51		29		80
Total in all Departments				263		134		397

Comparative Statement of Enrollment.

YEAR	Prep.	1st Year.	2d Year.	3d Year.	4th Year.	Post Grad.	Spec.	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	2	14	2	397

ALUMNI.

Prof. JOHN F. FULTON.....	President.....	Corvallis.
Miss LOIS STEWART.....	Vice President.....	Baker City.
Mrs. C. E. DENTLER.....	Secretary.....	Corvallis.
J. FRED YATES.....	Treasurer.....	Corvallis.

1870.

Jas. K. P. Currin, B. S.....	Druggist.....	Cottage Grove.
Robt. M. Veach, B. S.....	U. S. Register.....	Roseburg.
Alice E. Moreland, B. S. (Biddle).....		Healdsburg, Cal.

1871.

Geo. F. Burkhart, B. S.....	Farmer.....	Lebanon.
H. McN. Finley, A. B.....	Farmer.....	Corvallis.
Jas. D. Fountain, B. S.....	Merchant.....	Klainath Falls.
W. R. Privett, B. S.....	Co. School Supt.....	Baker City.
Mary J. Whitby, B. S. (Harris).....		Corvallis.
*Fannie J. Henkle, B. S. (Kendall).....		

1872.

*Thomas C. Alexander, B. S.....		
*John Edlin, B. S.....		
Rosa Selling, B. S. (Jacobs).....		Corvallis.
Alonzo J. Locke, B. S.....	Surveyor and Farmer.....	Corvallis.
Jas. K. Weatherford, B. S.....	Lawyer—Treas. O. A. C. Board Regents.....	Albany.

1873.

Leander N. Lirgett, B. S.....	Teacher.....	Prineville.
Clara M. Harding, B. S. (Thayer).....		Corvallis.
William F. Herrin, B. S.....	Lawyer.....	San Francisco.
Oscar L. Ison, B. S.....	Lawyer.....	Baker City.

1874.

John R. Bryson, B. S.....	Lawyer.....	Corvallis.
Thos. H. Crawford, B. S.....	Lawyer.....	Union.
Emmet H. Taylor, B. S.....	Dentist.....	Corvallis.
*Emma Rice, B. S. (Thayer).....		

The following were graduated in Moral Philosophy and Mathematics, and were proficient in Chemistry:

George A. Grimes.....	Surveyor and Farmer.....	Corvallis.
William C. Crawford.....	Minister and Merchant.....	Portland.

1875.

Ruben A. Fuller, B. S.....	Farmer and Teacher.....	Independence.
Phillip E. Linn, B. S.....	Fruit Grower.....	Currinsville.

1876.

Addie M. Thompson, B. S. (Allen).....		Seattle, Wash.
Franklin Cauthorn, A. M.....	Physician.....	Union Block, Portland.
*Isaac Jacobs, B. S.....		
George P. Lent, B. S.....	Real Estate and Loans, 205½ Morrison St. Portland.	
Newton A. Thompson, B. S.....	Merchant.....	Seattle, Wash.
Minnie M. Aruold, B. S. (White).....		Corvallis.

1878.

Samuel T. Jeffreys, A. B.....	Lawyer.....	Portland.
Frederick W. Vincent, B. S.....	Physician.....	Pendleton.
Laura Booth, B. S. (Thompson).....		Yaquina City.
Elvin J. Glass, B. S.....	U. S. Signal Service.....	Helena, Mont.
Moses S. Neugass, B. S.....	Merchant.....	1,916, Pacific Ave. San Francisco.

1879.

*Ernest White, A. M.....		
Bartholomew T. Soden, B. S.....	Merchant.....	325 E. Washington St. Portland.
Marion Elliott, B. S.....	Teacher.....	Prineville.
Dayton Elliot, B. S.....	Lawyer.....	Prineville.

*Deceased.

1880.

William E. Yates, A. M.	Lawyer, Sec. O. A. C. Board of Regents, Corvallis.
Shubel G. McCann, A. B.	Surveyor
Lillian Glass, A. B.	Teacher.....Corvallis.
Hattie M. Hovendon, B. S. (Hanna.)	Hubbard
Edgar Grim, B. S.	Lawyer.....Portland.

1881.

Elmer E. Charman, A. B.	Druggist.....Oregon City.
T. Leonard Charman, B. S.	Real Estate Agent.....Oregon City.
Jessie L. Lesh, B. S. (Taylor)	69 S. 5th St. Portland.
Ida Callahan, B. S. (Burnett)	Instructor O. A. C.....Corvallis.

1882.

William Y. Masters, A. M.	Lawyer.....147 1st St. Portland.
Eda Jacobs, A. B.	Corvallis.
Bertha Greenberg, A. B. (Neugass)	San Francisco.
Alice M. Horning, B. S.	Teacher.....Corvallis.
Nettie Spencer, B. S.	Teacher.....425 Holliday Ave. Portland.
Abbie Wright, B. S.	Teacher.....Granger.

1883.

William G. Emery, A. B.	Photographer, 410 F. Morrison St. Portland, (Arctic Sea.)
William H. Holman, B. S.	Bookseller and Publisher.....Metropolis, Ill.
George B. Hovendon, B. S.	Farmer.....Hubbard.

1884.

Lizzie J. Bayley, A. B.	.....Newport.
David H. Glass, A. B.	Merchant.....Oregon City.
Isador Jacobs, A. B.	Merchant.....Portland.
*William E. Newton, A. B.	.....
Herbert G. Ray, A. B.	Pharmacist.....3d & Harrison, Portland.

1885.

Alonzo Allen, A. B.	Druggist.....15 & Northrup St., Portland.
Fred. J. Yates, A. B.	Lawyer.....Corvallis.
J. E. Whitney, B. S.	Book-keeper.....211 First St. Portland.
Andrew S. Buchanan, B. S.	Gen. Agt. for Publishing House.....Los Angeles.
Henrietta Harris, B. S.	564 Gilsan St., Portland.

1886.

Herbert Kittredge, A. M.	.....Corvallis.
C. D. Thompson, A. B.	Corvallis.
*B. F. Collins, B. S.	.....
O. W. Robbins, B. S.	Merchant.....Molalla.
Harry Holgate, B. S.	Lawyer.....Corvallis.
R. J. Wilson, B. S.	Surgeon.....New York City.
Diana Newton, B. S.	Teacher.....Oaksdale, Wash.
Minnie McFarland, B. S.	Assistant P. M.....Albany.
Frances Harris, B. S.	Teacher.....564 Gilsan St., Portland.

1887.

Laura Korthauer, B. S.	Teacher.....Whatcom, Wash.
*Robert Cooper, B. S.	.....

1888.

J. H. Collins, A. B.	Teacher.....Astoria
William Hall, B. S.	Teacher.....Woodburn.
William Stock, A. B.	Pharmacist.....Portland.
Ella Jane Lilly, B. S.	Teacher.....Corvallis.
Anna Robbins, B. S. (Lilly)	.....Molalla.
Mary Newton, B. S.	Teacher.....Corvallis.
Lillie Groves, A. B.	Teacher.....Corvallis.
Jessie Kittredge, A. B. (Groves)	.....Corvallis.
Gertie M. Strange, B. S. (Davis)	.....Oregon City.
Ira Allen, A. B.	Book-keeper.....7 N Front Street, Portland.

1889.

J. C. Applewhite, B. S.	Lawyer.....Student, Stanford Univ. Cal.
H. L. Arnold, B. S.	Student at John Hopkins.....Baltimore.
Clarence Avery, B. S.	Lawyer.....271½ Morrison Street Portland.
J. G. Buchanan, B. S.	Farmer.....Corvallis.
*R. G. Buchanan, B. S.	.....

1889.—Continued.

Bertha Davis, B. S.	Corvallis.
Clara Fisher, B. S.	Corvallis.
Mollie Thompson, B. S. (Fisher)	Los Angeles, Calif.
Clara Irvine, B. S.	Teacher.....McMinville.
T. A. Jones, B. S.	Druggist.....Yaquina City.
Emma Mahoney, B. S. (Kittredge,)	Teacher.....110 Castre St., Oakland, Cal.
Emma Irish, B. S. (Webber)	.....Mt. Clemens, Mich.
Jessie Wilkins, B. S.	Hotel Proprietor.....Portland.
E. E. Wilson, B. S.	Lawyer.....Corvallis.

1890.

A. S. Additon, B. S.	Civil Eng.....Portland.
B. Hamilton, B. S.	Physician.....
May Warren, B. S.	Merchant.....Corvallis.
*C. O. Wells, B. S.	.....

1891.

Anna Allen, B. S.	Corvallis.
Joseph F. Alexander, B. S. A.	Druggist.....Seattle, Wash.
John H. Starr, B. S.	.....Salem.

1892.

*Vattie Avery, B. L.	Teacher.....Corvallis.
Lulu Eppinger, B. H. E. (Chandler)	.....Baker City.
Nellie Davidson, B. H. E.	Teacher.....Corvallis.
Annie M. Denman, B. L.	Teacher.....Cascades.
John Fulton, B. S.	Asst. Chemist O. A. C.....Corvallis.
Nellie M. Hogue, B. H. E.	Teacher.....Albany.
Rose M. Horton, B. L.	Teacher.....Corvallis.
Charles L. Johnson, B. S.	Instructor O. A. C.....Corvallis.
Leon Louis, B. L.	Teacher.....
Ida M. Brandes, B. L. (Ray)	.....Portland.
Barney S. Martin, B. S. A.	Lawyer.....Brownsville.
Richard W. Scott, B. S. A.	Farmer.....Milwaukee.
James W. Storms, B. S. A.	Prof. State Normal School.....Ashland.
Marie Lois Stewart, B. S.	Teacher.....Union.
Minnie Lilly, B. L. (Waggoner)	.....Corvallis.

1893.

Lee Applewhite, B. S. A.	Medical Student.....St. Louis, Mo.
Hattie Bronson, B. H. E.	Teacher.....Lewisville.
Brady Burnett, B. S. A.	Law Student.....Corvallis.
Nellie Davidson, B. L.	Teacher.....Corvallis.
George Denman, B. S.	Teacher.....Corvallis.
Ross Finley, B. S. A.	Farmer.....Monroe.
Hortense P. Greffoz, B. H. E.	Teacher.....Monroe.
W. Scott Goodall	Teacher.....LaGrande.
Altha Leach, B. H. E.	Postmistress.....Lexington.
Erma Lawrence, B. H. E.	Teacher.....Oregon City.
Horace Lilly, B. M. E.	Farmer.....Corvallis.
Percival Nash, B. S. A.	U. S. Signal Service.....Portland.
N. J. Rowan, B. S. A.	Teacher.....Pleasant Hill.
G. W. Palmer, B. M. E.	Teacher.....Baker City.
Anna Samuels, B. H. E.	.....Corvallis.
Ora Spangler, B. H. E.	Teacher.....Oregon City.
L. L. Swann, B. S. A.	.....
Mollie Voorhees, B. H. E.	.....Woodburn.

1894.

D. P. Adamson, B. S. A.	.....Halsey.
Mark Bailly Bump, B. S. A.	.....King's Valley.
Charles S. Chandler, B. S. A.	.....Baker City.
Sarah A. Currier, B. H. E.	.....Corvallis.
Evelyn Maude Currier, B. H. E.	.....Corvallis.
Henry M. Desborough, B. M. E.	.....Corvallis.
Edward Getty Emmett, B. M. E.	Instructor O. A. C.....Corvallis.
Ross C. Finley, B. S.	.....Monroe.
Hattie Friendly, B. H. E.	Assistant Librarian.....Portland.
Jennie Matilda Gellatly, B. H. E.	Teacher.....Philomath.
Delia Elizabeth Dentler, (Gellatly.) B. H. E.	.....Corvallis.
J. H. Gibson, B. S.	Law Student.....Portland.
Luna George, B. H. E.	Teacher.....Niagara.
W. Frank Holman, B. M. E.	.....Albany.
Frank Josephine Parsons, B. H. E.	Teacher.....Junction City.
Ina Vivia Gould, B. H. E.	Teacher.....Harrisburg.
Alice Lettie Wicks, B. H. E.	Teacher.....Corvallis.

1895.

David P. Adamson, B. S. A.	Teacher	Priceville.
James Edward Adamson, B. S. A.	Student O. A. C.	Hal-sey
John F. Allen, B. M. E.	Farmer	Philomath.
Thomas Beall, B. S. A.	Farmer	Central Point.
Lucie Brandon, B. H. E.	Teacher	Mainvi w.
Addie M. Bristow, B. H. E.	Teacher	Corvallis.
Katie A. Buchanan, B. H. E.	Student O. A. C.	Corvallis.
R. Alice Buchanan, B. H. E.	Corvallis.	Corvallis.
Austin T. Buxton, B. M. E.	Farmer	Forest Grove.
Charles S. Chandler, B. S.	Farmer	Baker City.
Frederick C. Caples, B. S. A.	Sale-man	Columbia City.
Seth L. Casto, B. S. A.	Farmer	Carus.
Henrietta Campbell, B. H. E.	Nurse	Portland.
Leez Cooley, B. H. E.		Woodbur.
Edwin R. Doughty, B. S. A.	Student O. A. C.	Tillamock.
Clara Duncan, B. H. E.	Teacher	Corvallis.
Frank E. Edwards, B. M. E.	Instructor O. A. C.	Corvallis.
Kittie K. Emmitt, B. H. E.		Umpqua Ferry.
Edna Finley, B. H. E.	Teacher	Monroe.
Hortense P. Greff, B. S.	Teacher	Woodburn.
Anna S. Hannah, B. H. E.	Teacher	Baker City.
Olive L. Hamilton, B. H. E.		Corvallis.
Delphena L. Heanel, B. H. E.	Teacher	Monroe.
Mary A. Henderson, B. H. E.		Corvallis.
Minnie L. Hodess, B. H. E.	Teacher	Lebster.
W. Frank Holman, B. S.	Student of Pharmacy	Albany.
Helen Lucille Holgate, B. H. E.	Teacher	Corvallis.
Verna A. Keady, B. H. E.		Portland.
Andrew B. Kidder, B. S. A.	Student O. A. C.	North Yauhill.
William B. Lacy, B. S. A.	Student O. A. C.	Heppner.
Louise Leutenberger, B. H. E.	Teacher	Monroe.
Lester M. Leland, B. S. A.	Farmer	Oregon City.
Arthur C. Lewis, B. M. E.	Farmer and Stock raiser	Klamath Falls.
Elsie Long, B. H. E.	Teacher	Corvallis.
A. D. Morrison, B. S. A.	Student O. A. C.	Oakville.
Amelia M. McCune, B. H. E.		Shedds.
Kate B. McCune, B. H. E.	Teacher	Shedds.
Dorothea Nash, B. H. E.	Instructor O. A. C.	Corvallis.
Janie J. Newton, B. H. E.	Teacher	Corvallis.
Lewis W. Oren, B. M. E.	Lumberman	Corvallis.
William D. Porter, B. S. A.	Farmer	Shedds.
Lulu C. Thornton, B. H. E.	Teacher	Corvallis.
Samuel P. Smith, B. S. A.	Farmer O. A. C.	Corvallis.
Mary E. Smith, B. H. E.	Clerk	Astoria.
Willard W. Smith, B. M. E.	Medical Student	Cleveland, Ohio.
Mary E. Stout, B. H. E.		Mehan.
Milton O. Stemmler, B. S. A.	Time-keeper	Merced, Cal.
W. Claude Williams, B. M. E.	Hardware salesman	Amity.
Effie Willis, B. H. E.	Teacher	Roseburg.
Lena Willis, B. H. E.	Teacher	Roseburg.
Milton A. Wyatt, B. S. A.	Farmer	Corvallis.

1896.

Lyman B. Andrews, B. S. A.		Oregon City.
Edwina M. Powell, (Avery) B. H. E.		Astoria.
Bessie Barker, B. H. E.		Oswego.
Louisa M. Barnett, B. H. E.		Central Point.
Walter Harman Becker, B. S. A.		Wheatland.
Sheldon C. Brown, B. S. A.		Hockinson, Wash.
Katie A. Buchanan, B. M. E.		Corvallis.
E. Arthur Buchanan, B. M. E.		Corvallis.
Mary Gerking, B. H. E. (Buoy)		Pendleton.
Julia Augusta Casto, B. H. E.		Carus.
Lewis E. Cooper, B. S. A.		Corvallis.
Edwin R. Doughty, B. S.		Day City.
Herbert M. Friendly, B. M. E.		Portland.
Marion R. Johnson, B. S. A.		Corvallis.
William F. Keady, B. M. E.		Sparta.
W. T. Lee, B. S. A.		Klamath Falls.
Edith Lilly, B. H. E.		Corvallis.
Harry W. Kelly, B. S. A.		The Dalles.
Lulu F. Lindsey, B. H. E.		Corvallis.
Mildred Linville, B. H. E.		Corvallis.
Bertie Linville, B. H. E.		Corvallis.

1896.—*Continued.*

Carrie Alberta Lyford, B. H. E.....	Corvallis.
Joseph Grainger McCune, B. S. A.....	Lebanon.
A. D. Morrison, B. S.....	Oakville.
Gertrude E. Mackay, B. H. E.....	Corvallis.
Josie A. Moses, B. H. E.....	Corvallis.
Emery J. Newton, B. S. A.....	Philomath.
Charles L. Owsley, B. M. E.....	LaGrande.
Charles G. Porter, B. M. E.....	Corvallis.
Gordon C. Ray, B. M. E.....	Woodburn.
Lilly M. Read, B. H. E.....	Prineville.
V. Esther Simmons, B. H. E.....	Roseburg.
Joe C. Smith, B. S. A.....	Corvallis.
Martin L. Spangler, B. M. E.....	Corvallis.
M. Clyde Phillips, B. M. E.....	Corvallis.
Ida E. Ward, B. H. E., Teacher.....	Lebanon.
Emma Marie Warrior, B. H. E.....	Corvallis.
Minnie A. Wilson, B. H. E.....	Corvallis.
Marion F. Wood, B. S. A.....	Philomath.
Arthur W. Wood, B. M. E.....	Albany.
Mattie Wright, B. H. E.....	Corvallis.
Lizzie A. Wyatt, B. H. E.....	Philomath.

