

*Fifty.eighth*

ANNUAL COMMENCEMENT

*of the*

Utah State Agricultural  
College

*Sunday and Monday*

*June third and fourth*

*Nineteen hundred and fifty-one*

*Fieldhouse*

*Logan, Utah*

# *Baccalaureate Service*

*Sunday Morning, June Third*

Preliminary Music 9:00 . . . Exercises 10:00

The Honorable Thorpe B. Isaacson, Chairman of the  
Board of Trustees, presiding.

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Coronation March from *The Prophet* ..... Meyerbeer  
College Orchestra, Dr. N. W. Christiansen, Director

The Heavens are Telling from *The Creation* ..... Haydn  
College Mixed Chorus and Orchestra, Prof. Walter Welti Director

Invocation ..... Dr. W. W. Richards

Sonata in C minor, opus 13 ..... Beethoven  
First Movement, Grave - Allegro  
Piano Solo ..... Reed A. Watkins

Valedictory Address ..... Burton W. Robinson  
Representing the Class of '51

Most Beautiful Apppear from *The Creation* ..... Haydn  
Vocal Trio — Florence Griffin ..... Soprano  
Marlin V. Hill ..... Tenor  
Elmer W. Wahlstrom ..... Bass

Baccalaureate Sermon ..... Elder Henry D. Moyle

Organ Solo ..... Selected  
Melvin W. Dunn

Battle Hymn of the Republic ..... Arranged by Wilhousky  
Chorus, Orchestra and Audience

Benediction ..... Dr. J. Duncan Brite

March from *Die Meistersinger* ..... Wagner  
College Orchestra

# Commencement Exercises

Monday Morning, June Fourth

Preliminary Music 9:00 . . . Exercises 10:00

The Honorable Thorpe B. Isaacson, Chairman of the  
Board of Trustees, presiding.

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Grand March from *Aida* ..... Verdi  
College Orchestra, Dr. N. W. Christiansen, Director

Di Provenza il Mar, il Svol from *La Traviata* ..... Verdi  
Baritone Solo ..... Don L. Becker

Invocation ..... Father Jerome Stoffel

Valedictory Address ..... Clarence E. Felix  
Representing the Class of '51

Introduction to Act III, *Lohengrin* ..... Wagner  
College Orchestra

Address to the Graduates ..The Honorable Marriner S. Eccles

Conferring of Degrees ..... President Louis L. Madsen  
(It is suggested that applause be confined to  
the period after the awards to each group)

Report of the President

Auld Lang Syne ..... Scotch Air  
Organ Solo ..... Roy Darley

Benediction ..... Professor Eugene E. Campbell

Grand March University ..... Goldman  
College Orchestra

# *List of Graduates, 1951*

## TWO-YEAR CERTIFICATES

### AGRICULTURE

Del Granado, Jorge

### AIR CONDITIONING AND REFRIGERATION

Packer, Vernon O.

### AUTOMOBILE BODY RECONDITIONING

Ely, John Thomas

### AUTOMOBILE REPAIR

Bailey, Richard Redfern  
Calloway, Bernell N.  
Clark, Dwain Ray  
Freudenthal, Emil F.  
Hansen, Myron Dale  
Hunter, David L.

Mathis, Robert Stoker  
McGuire, Rupert E.  
Palmer, Arlo Kirk  
Parry, William Thomas  
Sutton, Stanley W.

### DIESEL AND HEAVY DUTY MECHANICS

Ballif, Richard T.

Bohner, Loren Frank

## BACHELOR OF SCIENCE IN AGRICULTURE

Abdul-Malek, Amin S.  
Ahmadi, Ahmad Ali  
Al Tikrity, A. B.  
Allred, Earl S.  
Anderson, John William  
Anderson, Raymond E.  
Atkins, Norman J.  
Balaban, William  
Barlow, Kingsley H.  
Barnes, Herbert J., Jr.  
Baxter, Norman DeGraw  
Beckstrom, Leland L.  
Bendixsen, Kay Reed  
Benson, Kenneth M.  
Betros, Harry F.  
Bishop, J. Lee  
Borup, Harry Junior  
Boswell, Merlin N.  
Brewster, Joseph H.  
Brobst, James LeRoy, Jr.  
Bushnell, Melvin J.  
Buttars, Joseph Grant  
Butts, Gilbert Lee  
Carlson, Roy E.  
Christiansen, Dale  
Chugg, Boyde A.  
Clark, R. Boyd  
Cosgrove, Bartholomew J.  
Cramer, Delile F.  
Crawford, Leslie Earl  
Crump, Kenneth Elmer  
Cummings, Keith D.  
Deschamps, David S., Jr.  
Dew, Milo LeRoy  
Dewey, Douglas R.  
Downs, Leith Rolan

Duffin, Robert Beck  
Eakin, James Ivan  
Esplin, Darlo Lee  
Evans, Kent Tiffany  
Fonnesbeck, Gordon C.  
Foote, Elwood Earl  
Gammon, David Russell  
Gardner, L. Dee  
Gayvert, Raymond W.  
Godfrey, LaVar  
Graham, Edmund Fay  
Greif, Philip  
Hagenbuch, Charles F.  
Hampton, James LeRoy, Jr.  
Haney, Edward Lawrence  
Hansen, Arden M.  
Harris, Wendell Leon  
Haslam, Alden Gunnell  
Hawks, Verlyn Eugene  
Hemmert, Clyde Robert  
Hinton, Delmer  
Hogan, Max R.  
Holbrook, Neil Kohler  
Hoskin, J. Merlin  
Houghton, Rodney Edward  
Howell, Geren V.  
Howell, Robert B.  
Humphrey, Byron L.  
Hutchings, Lee Howard  
Jackson, Clarence Wm.  
Jensen, Lynn Oliver  
Jones, Charles Robert  
Jones, Charles W.  
Jones, Don Eugene  
Kardos, Ervin Herman  
Kinkead, Robert M.

Kreitman, Donald  
Landagora, Francisco  
Larson, Lee Wren  
Little, Neils Clove  
Loveless, Shirley Ray  
Makarem, Salim Amin  
Manderscheid, Clifton D.  
Marble, Vern L.  
Maughan, Wesley T.  
McCarty, Glenn Mason  
McMurray, Glenn W.  
Mendes, Frank S.  
Mickelsen, Charles Henry  
Miller, LaVell  
Milligan, Larry Kent  
Morgan, Dee R.  
Murray, Glen Edmund  
Murray, Jay Clarence  
Neilsen, Grant Elwood  
Nelson, Calvin Lawrence  
Nielsen, Ramon William  
Nielson, George A., Jr.  
Olsen, A. Leslie  
Owens, Blaine Eugene  
Parrish, James Gilbert  
Parsons, Edmund H., Jr.  
Partenheimer, Ronald P.  
Patterson, John W.  
Pearson, Jay Fred  
Platzke, Lloyd Warren  
Pontius, Robert Vernon  
Quesenberry, Neil C.  
Redd, Eugene Ray  
Redd, Mark H.  
Reznick, Benito M.  
Richards, Joel J.

Richman, Bert B.  
Ritchie, Brent Murdock  
Robins, Ronald Waldo  
Rudd, I. Dell  
Rudd, Oris Clark  
Sargent, Glen Wilford  
Savage, Eugene G.  
Savage, Robert E.  
Seeley, Clair Mont  
Shawa, Azmi Yousif  
Shoemaker, Jack E.  
Smedley, Calvin D.  
Smith, Estle D.  
Smith, R. L.  
Snow, Frank Bruce  
Sorensen, Lloyd L.  
Spackman, Thomas M.  
Spencer, John C., Jr.  
Stahley, Ralph F.  
Stringham, Mark Wimmer  
Swann, John Richard  
Taylor, Harold R.  
Trottner, Benjamin K.  
Turner, Dan G.  
Walker, David R.  
Walker, John Q.  
Warburton, Sherman C.  
White, Lynn T.  
Wilcox, Clifford L.  
Wilson, Donald Vaughn  
Wilson, John J.  
Wooley, Donald Grant  
Worley, Sam R.  
Yassine, Muhamed Younes  
Yeager, Richard R.  
Young, Jack F.

#### BACHELOR OF SCIENCE IN ARTS AND SCIENCES

Allan, Lamont Dale  
Allen, Guenavere  
Arnold, Kenneth Richard  
Ashman, Roland Bruce  
Barwick, David Handel  
Bates, Norris T.  
Baxter, Robert LaMar  
Baylis, John Robert, Jr.  
Blanchard, Robert L.  
Braegger, Robert Irvan  
Brown, George Merrill  
Brugger, A. Maynard  
Buttars, Ruby  
Call, Robert Israel  
Call, William Vosco  
Campbell, Curtis B.  
Church, Irvan James  
Copeland, Woodrow W.  
Cottle, Elwood M.  
Cottle, Thomas D.  
Crandall, Peggy  
Dallimore, Franklyn C.  
Dalton, Gordon W.  
Davenport, Clair Ezra

Dickson, Elwin Carter  
Erdenberger, David N.  
Erickson, Willard Grant  
Everson, Charles Grant  
Farhat, Saeed  
Felix, Clarence Ernest  
Fife, Marlin A.  
Firestone, Blanche Stewart  
Firth, June  
Fletcher, Samuel G.  
Forbes, Robert C.  
Ford, Homer S., Jr.  
Forsyth, George Joseph  
Foster, John M., Jr.  
Frany, Joseph Sherwood  
Frischnecht, Lee C.  
Gardner, Claron  
Garrett, Verl B.  
Gibbons, Marianne  
Glahn, Ray Merritt  
Glauser, Russell O.  
Goss, James Arthur  
Graber, Fred Leonard  
Guida, Anthony M.

Gustavson, Robert C.  
Habib, Mahdi  
Hales, Weston V.  
Hall, Shirley  
Hanson, Max L.  
Harris, Nadene  
Hart, Norma  
Haslam, Richard Philip  
Heaton, Regina  
Hebertson, Wallace LaVau  
Holt, Elaine  
Izatt, Reed M.  
James, Joseph David  
Jensen, Fontella  
Johnson, Rulon E., Jr.  
Jones, Barbara L.  
Kasler, Charles Lee  
Knight, Richard John  
Labrum, Corwin Tucker  
Larsen, Annie Fay  
Larsen, Golden LaVon  
Larsen, Lewis Verlaine  
Larsen, RaNae  
Lauritzen, Dale Winn  
Lindsay, James Edward  
Maloney, Raymond A.  
Marsden, Louis L.  
Mathews, Richard O.  
Mathis, Roma L.  
McComb, Walter D., Jr.  
Monson, Matthias P.  
Moosman, Gene Leroy  
Morris, Blaine, Jr.  
Mushrush, Robert R.  
Nelson, Arlo Romaine  
Nelson, Ralph F.  
Noble, Helen Carol  
Nuttall, Frank Quentin  
Nutting, Ehard Forrest  
Olsen, Reed J.  
Olson, Arland E.  
Pantone, Rosemary  
Parkinson, Richard P.

Peterson, Burdette A.  
Peterson, Charles G.  
Peterson, Hal D.  
Powelson, Robert Loran  
Ramsay, James H.  
Raymond, Cleve Al  
Reid, Janice  
Richards, W. Lynn  
Ricks, Gordon Kenneth  
Robins, Jewelaine Tite  
Robinson, Don L.  
Romer, Joyce  
Ross Malcolm  
Ross, Thomas A.  
Saunders, Shirley Lola  
Schart, Chesley  
Schmidt, Wilford W.  
Seamons, Dick Curtiss  
Skabelund, Donald Emanuel  
Smith, Earl William  
Smith, Lucile B.  
Snyder, L. Jayne  
Sorensen, Jack  
Sorensen, Orval C.  
Stephenson, Erlene H.  
Stevenson, Don W.  
Stevenson, Sharman R.  
Swann, Ephraim Jean  
Swapp, Cloyd W.  
Tapper, Mary Louise  
Thompson, Elner H.  
Tingey, Hamilton L.  
Uresk, Louis  
Wayman, Josephine Barnes  
Wayman, Thomas E.  
White, Morgan Branch  
Whitmire, Nelson L.  
Wilkinson, Don Alvan  
Wolf, Kenneth E.  
Wyman, Charles Morong  
Yost, Grant F.  
Young, Viron J.

#### BACHELOR OF SCIENCE IN COMMERCE

Adams, Joseph C., Jr.  
Al-Siyab, Abdullatif  
Alfandary, Robert Henri  
Alston, Orson D.  
Andersen, Boyd Eugene  
Anderson, Arthur E.  
Anderson, Eugene A.  
Armstrong, Willard W.  
Arrington, Asa Wayne  
Austin, Norma Jean  
Bidlack, Manley Lealand  
Bowman, DeMar, Jr.  
Bradshaw, Ira W.  
Brough, Patricia Pond  
Burgoyne, Joseph R.  
Christensen, Richard W.  
Crockett, DeVerle F.  
Cronquist, Barbara L.

Cronquist, P. Donald  
Crosby, William T.  
Davis, Ben Hunsaker  
Engels, William Daniel  
Epps, William Franklin  
Esfandiari, Reza  
Evans, Sidney Lee  
Felsted, James Arthur  
Fleishman, Leonard  
Fornoff, Harold Louis  
Freeman, F. Elaine  
Fry, Jack P.  
Gabrielsen, Ronald J.  
Ghalayini, Khalil  
Gibbs, James Reuben  
Giles, Wendell H.  
Gillis, Donald West  
Hansen, Arthur H.

Hanson, Leora  
 Harman, Samuel L., III  
 Harper, Robert W.  
 Hatch, Thomas Grant  
 Haycock, Thomas H.  
 Headlee, William A.  
 Hood, Robin Francis  
 Hutchison, James Henry  
 Hutchison, Robert M.  
 Hymas, Mirl B.  
 Jennings, David S.  
 Jensen, Dick Meredith  
 Jones, Darwin  
 Judd, David D.  
 Kent, Charles T.  
 Kiholm, Edward I.  
 King, Dale Pace  
 Knight, Rey N.  
 Larsen, Keith E.  
 Larsen, Randolph  
 Lewis, Wendell E.  
 Linquist, Milton L.  
 Lugibihl, Hortense  
 Mabey, Rex G.  
 Macioce, Elmer John  
 MacMullen, Forrest H.  
 Madsen, Delbert Rees  
 Manning, Frederick S.  
 Mansur, Abdollah  
 Marshall, Don L.  
 Martindale, Loye E.  
 McBride, Roy  
 Merrill, John D.  
 Meservy, Nile Dale  
 Mifflin, H. Keith  
 Molen, Robert Wesley  
 Morris, John Koran  
 Murphy, Dan T.  
 Murray, Robert B.  
 Nakamura, Setsuko  
 Napper, Thad Lewis  
 Neff, James William  
 Nelson, Milton P.  
 Niakamal, Abolfazl  
 Nichols, Carroll C.

Nielsen, Claire A.  
 Olson, Evan F.  
 Otte, Alfred Ray  
 Oveson, Ronald Wayne  
 Painter, Robert Glade  
 Parkey, Nina Mae  
 Penovich, George  
 Peterson, Carl D.  
 Powers, James Marvin  
 Price, George Alan  
 Reddish, Lin C.  
 Richman, George Reese  
 Rietz, Billy J.  
 Robson, R. Thayne  
 Rogers, Stuart H.  
 Schvaneveldt, Wesley M.  
 Sealy, Denton Curtis  
 Shill, Hazen E.  
 Smith, Adelia Nadene  
 Smith, John Frederick  
 Smith, Robert Charles  
 Spillman, Delvan V.  
 Stallings, Joanne  
 Steinhilber, Wallace F.  
 Stephenson, Eldon J.  
 Stevens, Marva G.  
 Stoker, John M.  
 Stuart, Daniel Dean  
 Taggart, Keith Dee  
 Thacker, Dale Francis  
 Theurer, Gary Lloyd  
 Turner, George McMillen  
 Turner, William Deverl  
 Wahab, Abul-Malik Abdul  
 Wallace, Harold Keith  
 Wennergren, Emil Boyd  
 White, William W.  
 Whitesides, Rulon M.  
 Williams, Perry O.  
 Wiser, Carma  
 Wright, Mary Patricia  
 Wright, Ronald Wayne  
 Younce, Jack H.  
 Young, Jerrald Francis

#### BACHELOR OF SCIENCE IN EDUCATION

Adams, Keith M.  
 Allred, Rada Carlson  
 Andersen, Frank LaDell  
 Anderson, Barbara Joy  
 Anderson, David M.  
 Anderson, Elaine  
 Anderson, Erma H.  
 Applegate, Don J.  
 Archibald, Iva S.  
 Bailey, Lois Yost  
 Bair, Mary Chambers  
 Bakes, Sara A.  
 Bammes, Leora Black  
 Barber, Carolyn  
 Barber, Janet  
 Bauer, W. LaVand  
 Beatty, LaMond Fielding

Becker, Don Laverne  
 Beckstead, Amaryllis  
 Beecher, Dick H.  
 Beeton, Sara J.  
 Blackham, Virginia D.  
 Brown, Barbara Haws  
 Brown, Reta Jones  
 Bryant, Patricia Kayne  
 Budge, Grant J.  
 Bundy, Jerry Leslie  
 Burgess, Georgann  
 Burgess, Rodney C.  
 Burgoyne, John L.  
 Burnham, Alberta T.  
 Burrell, Owen Rawlins  
 Burrows, Robert G.  
 Buttcanne, Lynn J.

Cameron, Donald Clare  
Campbell, Don S.  
Campbell, Mary Lou  
Cartwright, Donald Emerson  
Cassi, Roger  
Castellano, Anthony R.  
Cates, William Anton  
Caughy, Charles R.  
Chamberlain, LaRue R.  
Chatburn, Dean Nimrod  
Child, Extta J.  
Christensen, Emerene  
Christensen, Joseph C.  
Christensen, Lund E.  
Christensen, Marilyn  
Cloward McRay  
Cochran, Averil Conger  
Cockrill, John C.  
Colson, Alice R.  
Condie, Richard M.  
Couch, Shirley J.  
Cox, David M.  
Cox, June T.  
Dixon, Elaine  
Downs, Ralph  
Draper, Cloyd Bryce  
Eichelbaugh, William A.  
Esplin, Shirley  
Evans, Adele Hanni  
Evans, Bernell Ward  
Favero, Daniel  
Findlay, Leatha M.  
Flint, Marilda Knudsen  
Fonnesbeck, Boyd L.  
Frandsen, Melba  
Friedli, Joseph R.  
Furniss, Wayne  
Gardner, Bonnie W.  
Gardner, Spence Leon  
Garr, John M.  
Richards, Luana Green  
Greenwood, Gwen Ruth  
Grover, Lowell Ridd  
Gubbine, James  
Gunnell, Naomi Joyce  
Guthrie, Darrel W.  
Hamblin, Linda B.  
Hansen, Bonnie  
Hansen, Jay Russell  
Hardwick, Beverly J.  
Hardy, Ashby M.  
Harmon, Earl Wendell  
Harris, Walter A.  
Haslam, Raymond M.  
Hatch, Richard Hal  
Hawkins, Doyle N.  
Hendricks, Roland Guy  
Henne, Robert Lee  
Hess, Joe M.  
Hickman, Joan Emmett  
Hill, Marlin V.  
Hipa, Daniel K., Jr.  
Holst, Dolores  
Hotin, William R.

Hubbard, Margaret Benson  
Hug, Heinz J.  
Huish, Sterling S., Jr.  
Hulet, Oscar J.  
Huntoon, Wayne E.  
Hutchinson, Marian H.  
Hyde, Vooris R.  
Ipson, Hyrum B.  
Iverson, Verl Joseph  
Jensen, Carroll Dean  
Jensen, Emma Abbott  
Jensen, Jane Clark  
Jenson, Florence Colleen  
Johanson, Norris Gail  
Johnson, Rollo R.  
Johnson, Shirley  
Jolley, George M.  
Jones, Don E.  
Jones, Owen J.  
Jones, William Leland  
Kazalski, Fred Adam  
Kearl, Joan  
Kekauoha, Barbara  
Kelker, Dorothy M.  
Kennington, Dora LaRue  
Kirby, Kathleen  
Kirkland, Thelma V. W.  
Korth, Elva Baird  
Kretschmer, Paul Frank  
Laker, Lash H.  
Lamb, Shirley Jean  
Larsen, Marlin  
Larson, Linda  
Latimer, Jo Anne  
Lau, James K.  
Leany, Francis LeBaron  
Leany, Marion LeBaron  
Leavitt, Charles Clair  
Leavitt, Dixie L.  
LeBaron, Blanche Thaxton  
Limb, Beulah S.  
Lindsay, Patrick M.  
Littlefield, Thomas W.  
Loo Harold Y. S.  
Loveday, Hazen Leon  
Lundquist, Leila  
Lunt, Richard Cowan  
Lyons, Donald Howard  
Machado, Daniel Kanikakaiola  
Machin, Don T.  
Malmberg, John Lynn  
Mangus, Bennie M.  
Manning, William E.  
McClellan, Scott Marion  
McDonald, Richard D.  
McKendrick, Bryan F.  
Mickelson, Maxine Pace  
Mills, Anna W.  
Mills, Vera Johnson  
Monson, Velois Ruth  
Moore, Victor R.  
Morris, Ross G.  
Mottishaw, Ronald  
Muir, Clyde Holmes



Murdock, Dorthea C.  
 Murray, Evon Quin  
 Nelson, Carolyn  
 Nelson, Louise  
 Nyberg, Lucile E.  
 Nyberg, Richard E.  
 Nyman, Ernest  
 Olsen, Marilyn C.  
 Ott, Bessie Patterson  
 Overlade, Dan C.  
 Packer, Colleen  
 Pearson, Caroline  
 Petersen, Robert Duane  
 Peterson, Faris Joseph  
 Peterson, Mae Hillstrom  
 Petusky, John W.  
 Pillkington, Joan B.  
 Pitt, Patsy Louise  
 Polidori, Remo John  
 Poulter, Liliuo  
 Preston, J. Glenn  
 Pugsley, Elinore M.  
 Putnam, Virginia M.  
 Rachele, Henry  
 Randall, LeGrand W.  
 Rasmuson, Mahlon N.  
 Reed, Frank E.  
 Reed, LaFaye Erickson  
 Reynolds, Elizabeth  
 Rigby, Ada Redd  
 Rigby, Jedd M.  
 Rigby, Truman Keller  
 Riley, Kathryn  
 Ripplinger, Margie Mills  
 Ritchie, Jennie Palmer  
 Robinson, Burton White

Rowland, Dorothy M.  
 Salvo, Paul A.  
 Schimming, Emma Elsa  
 Schwendiman, Audra Alice  
 Scott, Shirley  
 Sharp, Don Marlin  
 Skanchy, Norman L.  
 Smith, Duane Forrest  
 Smith, Geraldine B.  
 Smith, Helen Claire  
 Smith, John Andrew  
 Smith, Maudell  
 Smith, Nina Hadley  
 Standing, Barclay Jack  
 Stewart, Frances J.  
 Stilson, Donald Wyman  
 Stringham, E. Danell  
 Summers, Erma Henrie  
 Taylor, Gerald H.  
 Taylor, Keith Elmer  
 Thomson, Robert Don  
 Urie, Hurschell G.  
 Watkins, Reed Andersen  
 Watson, Mabel Hansen  
 Watts, Ronald Gene  
 Webb, Wilma B.  
 Wheatley, Marilyn B.  
 White, Betty Lou Nielsen  
 Whitlock, Richard E.  
 Wilkinson, Kirstine S.  
 Williams, Arletta Rose  
 Williams, Reita G.  
 Williams, Rildah S.  
 Wirkus, Erwin Emil  
 Woodbury, Darwin  
 Worthington, Lorna Kendall

#### BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING

Giles, Burke  
 Griffin, Richard E.  
 Tovey, Terrel Reynolds

Khalisy, Fawzy Sadiq  
 Smith, Albert B.

#### BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Ahmed, Naziruddin  
 Anderson, Robert W.  
 Blaney, Harry F., Jr.  
 Blotter, Ronald Dale  
 Borton, William Albert  
 Braithwaite, Robert U.  
 Brower, Maynard Pierce  
 Creed, John A.  
 Crompton, Clifford Don  
 Denison, Ernest S.  
 Dodd, Dwight Hulbert  
 Fleishman, Jules S.  
 Hansen, Keith Andresen  
 Hatch, Leland Merrill  
 Hurst, Keith Leonard  
 Jones, Cannon H.

Keller, Keith  
 Koerner, Karl LeRoy  
 Mazumder, Abul Majd Zahirul Haque  
 Mason, Irvin Harvey  
 Mower, Reed W.  
 Rothfuss, Edward W., Jr.  
 Rubaii, Adnan Mahmood  
 Salmon, Eliahu J.  
 Slaugh, Nile G.  
 Smith, Otto Neil  
 Suleiman, Mahmood S.  
 Titensor, Frederick R.  
 Unguren, George H.  
 Ward, Howard L.  
 Welsh, Gene B.

## BACHELOR OF SCIENCE IN INDUSTRIAL EDUCATION

Anderson, Eric William  
Anderson, Glen Rhody  
Blackham, Delice  
Bradley, Glen C.  
Brown, Allan L.  
Bryan, Robert Owen  
Bybee, Calvin Reid  
Cheney, Urban Sterling  
Child, Norman John  
Christensen, Max H.  
Cleveland, Jack T.  
Dallin, Dennis Warren  
Densley, Kenneth Gordon  
Gale, Lewis W.  
Gheen, William H.  
Godfrey, Blaine B.  
Hawkes, Charles Morgan  
Hendricks, Donald R.  
Hilton, Ross Cropper  
Jay, DeWayne DeLoney  
Jensen, Clive L.

Jorgensen, Willis C.  
Long, Norman W.  
Lundstrom, Theodore E.  
McGhie, Claron Verne  
Mecham, Arlin LaGrand  
Minick, John T.  
Munns, Francis Rolland  
Olson, Glen I.  
Peacock, Rolland D.  
Pendelton, Anthony L.  
Pollock, Afton  
Porter, Angus LaDell  
Randall, Alma Kent  
Ringer, Wayne B.  
Robison, Paul E.  
Sprague, Edwin J.  
Tingey, Max G.  
Ulrich, Walter E., Jr.  
Vance, Lloyd Thomas  
Williams, James Thomas  
Zahler, Val Frederick

## BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY

Anderson, John W.  
Armstrong, William B.  
Ballou, John Loy, Jr.  
Barnes, Roy Eugene  
Barton, Stephen F.  
Beck, Calvin Reed  
Bird, Edmund W.  
Bird, Evan M.  
Bird, Russell Dan  
Boysen, John Francis  
Brewer, Daniel Duane  
Campbell, Lynn Harvey  
Christensen, Darwin B.  
Davis, Van Barton  
Dodd, Randolph Lee  
Frailey, Richard L.  
Gittins, Howard H., Jr.  
Gubler, Adios Ernest  
Hampton, Maynard Lorin  
Hart, Joseph L.  
Hayes, Ronald E.  
Herrod, J. T.  
Jensen, Ward F.  
Johnson, John Homer  
Johnson, Richard E.  
Jorgensen, Hans Philip  
Kirby, Fred B.  
Kleinman, Don Walter  
Krpmotic, Johnny  
Kruitbosch, Delorm John

Laney, George K., Jr.  
Larson, Archie Reed  
Layton, Floyd Charles  
LeFevre, Luke Dwain  
Madsen, Kenneth Wayne  
McGregor, Charles R.  
Michael, George H.  
Millard, John Burton  
Miller, Lloyd Jensen  
Mortensen, Marvin Gail  
Murley, Eldon Louis  
Myers, Lewis W.  
Nyman, Ross O.  
Olesen, Bobby Grant  
Olson, Blaine E.  
Reed, Earl Clifford  
Rice, Reid Lorin  
Ringel, Joseph Robert  
Schmidt, Ray Ralph  
Scholz, Melville F.  
Shakhsy, Mehdy A.  
Sullenberger, Robert A.  
Thompson, Grant A.  
Tiede, Ernest S.  
Tripp, R. Blaine  
Vaterlaus, Carl F.  
Vise, Jay D.  
Wilkes, Doran F.  
Winton, Chester W.  
Woodland, Laurel H.

## BACHELOR OF SCIENCE IN RADIO AND ELECTRONIC ENGINEERING

Acker, Wesley Warner  
Barkdull, John R.  
Bean, Rex C.  
Bell, Herbert Arthur  
Butt, Newbern C.  
Leavitt, Ronald F.  
Nelson, Carl S., Jr.

Sondrup, Andrew Owen  
Takahashi, Arthur Y.  
Takasugi, Shoji  
Urie, Thomas E.  
Walker, Robert Eugene  
Wood, John Robert

## BACHELOR OF SCIENCE IN FOREST MANAGEMENT

Bones, William Finley	Kearns, Frank Wilbur
Clark, Howard	Kramer, William Lester
Clickner, Shirley H.	Madden, Paul Francis, Jr.
Corpe, Edsel Lindy	Morgan, Roy Ernest
Craine, Martin Earl	Paul, Theodore J.
Cross, Earle A.	Price, Jack E.
Cushman, Harvey	Rickman, Sterling H.
Deward, Carlton J.	Roelof, Wayne Lee
Evatz, Edward R.	Sader, Duane Arthur
Fielding, Joseph E.	Shilling, George E.
Harris, Raymond Clive	Simons, Lee Adelbert
Hawkes, Lewis Eugene	Spencer, John Vivian

## BACHELOR OF SCIENCE IN RANGE MANAGEMENT

Bennion, Glynn Colin	Kruger, Donald W.
Cox, Hallie L.	Lockbaum, Robert F.
Crook, Ray J.	Peterson, Wesley H.
Davis, Fred	Rumsey, Walter Bliss
Flint, William Reed	Sanderson, William H.
Fulton, Donald Horace	Sjoblom, Paul L.
Jenkins, Wallace Eugene	Thompson, Henry Earl

## BACHELOR OF SCIENCE IN WILDLIFE MANAGEMENT

Eichhorn, Richard Earl	McLaughlin, George C.
Gaines, Gerald D.	Middendorf, Leo James
Hancock, Norman Victor	Mullan, James W.
Hill, Jerry W.	Peyton, Leonard James
Jackson, Samuel Wilford	Rawley, Edwin V.
Johnson, Arthur F.	Schryer, Frank E.
Kamman, Jack Frederick	Sept, Eafton B.
Kridler, Eugene Louis	Shippee, Edgar Allen
Martin, Boyd C.	Smith, Harry Fay, Jr.
McClellan, Junior P.	

## BACHELOR OF SCIENCE IN HOME ECONOMICS

Anhder, Ruth	Jensen, Julia Merle
Bauman, Beth Hughes	Johnson, Veal
Blau, Geneil Lowe	Kennard, Lanore
Bunderson, Marilyn K.	Khazai, Vida Sogra
Campbell, Mary	Kirkham, Bonnie Jean
Carver, Nadine	Lee, Maxine
Chambers, Dorothy R.	Lewis, Fae
Chambers, Rebecca J.	McCrary, Beverly M.
Chapman, Loa Joy	Morrell, Jessie Claire
Christensen, Iva Deaun	Morton, Margaret Skeen
Coon, Margaret Ruth	Murphy, Carole Joyce
Corbridge, Mollie M.	Nielsen, Nina Gayle
Crane, DonNiece	Ormond, Dorothy Lee
Crossgrove, RoMae	Rogers, Darlene T.
Dalton, Mona	Smith, Genie
Datwyler, Mavis R.	Surerus, Mildred May
Ercanbrack, Bonnie J.	Turner, Betty Lee
Eyre, Ruth Swenson	Warner, Marcia Rose
Fowler, Audrey Cooley	Webster, A. Joye
Godfrey, Doris L.	Whitesides, Mildred J.
Godfrey, Mardene	Young, Alice Marie
Hanks, Maurine	Zollinger, Leah
Harris, NaVee Jayne	

FIVE-YEAR GRADUATE  
CERTIFICATE IN SOCIAL WORK

DeVerle Frank Crockett

Robert R. Myer

MASTER OF SCIENCE DEGREE

- MAX GARDNER ABBOTT, Educational Administration - "A Study of the Attitude Toward Sex Education in High Schools."
- JOSEPH FURNISS ALLEN, Physical Education - "A Study of Students', Teachers', and Parents' Attitudes toward Sex Education in High School."
- HOOSHANG AMERY, Economics - "A Study of Reciprocal Trade Relations Between United States and Canada."
- DAVID R. BALLANTYNE, Psychology - "Success Motivation versus Effort Motivation in the Stanford-Binet Intelligence Scale."
- JAMES A. BANGHART, Dairy Manufacturing - "Effects of Aureomycin in Milk Used for the Manufacture of Cheese."
- NEIL RISSER BASSETT, Wildlife Management - "Winter Browse Utilization and Activities of Moose on the Snake and Buffalo Bottoms of Jackson Hole, Wyoming."
- MARVIN THEODORE BELL, Physical Education - "Academic Mortality and Survival of Students of the Freshman Class of 1946 Through Senior Year 1950 at the Utah State Agricultural College."
- THOMAS GENTRY BENTSON, Psychology - "Prediction of Retail Merchandising Success."
- JOHN VINCENT BRUCE, Zoology - "An Economic Study of Rats (*Genus Rattus*) in Cache County, Utah."
- VERLE RUDOLPH BOHMAN, Animal Nutrition - "Effect of DDT on Digestion in the Dairy Calf."
- WAYNE WILMER BRYANT, Zoology - "B" Plan seminar reports.
- KEITH McKAY BUDGE, Bacteriology - "The Serology of Staphylococcus."
- LEE R. CAIN, Educational Administration - "The Implications for Guidance in Survey Testing."
- ROBERT B. CAMPBELL, Soil Physics - "The Freezing Point of Water in Puddled and Unpuddled Soils at Different Soil Moisture Tension Values."
- DEAN NIMROD CHATBURN, Educational Administration - "A Study of Elementary School Library Facilities in Two Selected Southern Idaho Joint Class A School Districts."
- I-LUN ALLEN CHI, Animal Nutrition - "The Effect of Varying Levels of DDT and Urea on the Digestibility of the Fiber Fractions in the Diet of Dairy Calves."
- PATRICK D. DALTON, JR., Range Management - "The Effect of Feeding Different Phosphorus Compounds to Sheep on the Desert Range in West-Central Utah."
- WILLIAM MAUGHAN DARLEY, Secondary Education - "The Characteristics and Attributes of Friedrich Nietzsche's Superman."
- A. MORRIS DECKER, JR., Agronomy - "Inheritance of Glume Color and Pubescence in in Pubescent Wheatgrass *Agropyron trichopuorum*."
- WILLIS AARON DIAL, Secondary Education - "Determining Factors in the Development of the Crafts and Industries in Cache Valley."
- ROBERT B. ELLSWORTH, Psychology - "Measuring the Regression of the Schizophrenic Patients by Comparing Their Language with the Language of the Child at Various Age Levels."
- CARL ANTHON ERNSTROM, Dairy Manufacturing - "The Use of D-K Starter in the Manufacture of Commercial Cheddar Cheese."
- JOSEPH KNOWLES EVERTON, Mathematics - "The Hadamard Theory of Geodesics on Surfaces of Negative Curvature."
- WYNN B. FIFE, Chemistry - "The Reaction of the Sodium Salts of Some Fatty Acids with Ethyl A Chloroacetate."
- WAYNE SCOTT GARDNER, Plant Pathology - "Curly Top of the Potato."
- GORDON E. GATHERUM, Range Management - "Pellet Seeding on Sagebrush Range."
- RALPH L. GIDDINGS, JR., Civil Engineering - "The Partial Analysis of a Typical Revolving Crane Gantry."
- TEJPAL SINGH GILL, Agronomy - "Inheritance of Various Characters and Their Link-Relationship in Barley."
- BLAIR HANSEN, English - "Elements of Romanticism in the Major Novels of Victor Hugo."
- BONNIE CLAY HANSEN, Psychology - "The Validity of the Stanford-Binet Intelligence Scale for Determining Work Methods, Attitudes, and Adjustments."
- HALVOR PETER HANSEN, Speech Correction - "A Study of the Changes of Personality, Attitudes, and Speech Problems of an Adult Stutterer While Undergoing Speech Therapy."
- RAYNOLD B. HANSEN, Educational Administration - "A Summary of the Evidences of a Two or Three Year Unit as a Method of Classification of Pupils in the Elementary Schools."
- ALMA HEATON, Physical Education and Recreation - "A Survey of the Teaching of Ballroom Dancing."
- JAMES ORALD HENRIE, Civil Engineering - "Unit Consumptive Use Studies in Ashley Valley and Ferron, Utah, for the 1950 Growing Season."
- NEIL CAMERON HEUSER, Soils - "Estimating the Depth of Irrigation Water to Apply in Each Irrigation from Soil Characteristics."
- JAY B. HIGGINSON, Psychology - "A Comparison of the 1937 Revision of the Stanford-Binet and the Child's Wechsler-Bellevue at the Fourth Grade Level."
- CLYDE E. HUNTER, Poultry Breeding - "Strain Comparisons Among Broad Breasted Bronzed Turkeys."

- WILLIAM H. ISOM, Agronomy - "Inheritance and Linkage Relationships in Twenty-one Barley Characters."
- GARTH A. JAMES, Bacteriology - "Evidence Against Transovarian Transmission of Music Skills, Appreciations, and Knowledge Derived from an Activity Involving Staphylococcal Synovitis in Turkeys."
- MARIE THORNE JEPSSON, Education - "A Study of Student Growth in Art and the Making and Playing of Simple Musical Instruments."
- LEO WILLIAM JEX, Educational Administration - "An Evaluation of Selected Administrative Practices in Terms of Their Influence on Teaching Procedures."
- WALTER C. JOHNSON, Secondary Education - "High School Grades and College Aptitude Tests as Indices to College Achievement and Continuation at Utah State Agricultural College."
- WILLIS GORDON KEARL, Agricultural Economics - "The Cost and Efficiency of Producing Canning Corn in Cache County, 1949."
- FRED G. KROKSH, Educational Administration - "B" Plan seminar reports.
- DOYLE J. MATTHEWS, Animal Husbandry - "An Evaluation of Wool Density Sampling Procedures when Using the Wira Fleece Caliper."
- KENNETH B. MAUGHAN, Entomology - "The Description and Biology of *Microbracon spp.*, A New Parasite of *Cephus cinctus* Nort."
- MURRAY L. MAUGHAN, Physical Education - "A Study of the Physical Education Curriculums of the Junior Colleges in the Inter-mountain Area."
- WILLIAM J. McCONNELL, Wildlife Management - "The Opercular Bone as an Indicator of Age and Growth of the Carp *Cyprinus Carpio* Linnaeus."
- ROGER McCORMACK, Wildlife Management - "A Population Study of the South Cache Elk Herd."
- ALMA LEE H. McCOWIN, Secondary Education - "A Study of the Interrelationships Among Appraisals of Various Abilities in the Junior High Schools."
- ROBERT A. McCULLOUGH, Wildlife Management - "Some Studies on the Ecology and Management of the Muskrat on the Locomotive Springs Migratory Waterfowl Refuge, Box Elder County."
- BARBARA McGREGOR, Speech Correction - "The Organization of a Cerebral Palsy Clinic for the Northern Part of Utah."
- JOHN P. McNULTY, Psychology - "Psychological Interns in a Multiple Therapy Approach to Treatment of Psychotic Patients."
- STUART PAUL MEERSCHIEDT, Agricultural Engineering - "The Design and Testing of Equipment for Measuring Seepage from Canals."
- IVAN RICHARD MILLER, Dairy Manufacturing - "The Effect of Common Contaminants on Cheese Starter."
- FARRELL ARCHIE MUNNS, Education - "Some Concepts to Guide Elementary School Principles in the Conduct of Their Public Relations Activities."
- WALLACE P. MURDOCH, Entomology - "Life History Studies of the Snip Fly *Atherix Variegata* Walker."
- DELBERT C. NAPPER, Education - "A Guide for Teachers Directing Creative Art Experiences in Elementary Schools."
- MARGARET ELIZABETH NEAL, English - "B" Plan seminar reports.
- FRANK H. NEILSON, Education - "Geology in the Secondary School Curriculum."
- PARLEY WRIGHT NEWMAN, Speech Correction - "Influence of Propositionality on Adaptation Effect of Stuttering."
- CLYDE R. ODIN, Wildlife Management - "The Effect of Predation by California Gulls (*Larus Californicus*) on Waterfowl Schizophrenics."
- DAN CULMER OVERLADE, Psychology - "The Auditory Apperception Test Compared with a Ten-card Form of the Thematic Apperception Test as Projective Devices for Use with Schizophrenics."
- JOHN L. OWEN, Educational Administration - "A Study of Certain Aesthetic Measures in Brigham City, Utah."
- RASIK LABHANKER PATHAK, Soil Science - "Thiamin, Riboflavin and Niacin Content of Alfalfa Hay on Some Utah Soils Treated with Different Fertilizers."
- SAOMANAS POTRANANDANA, Animal Husbandry - "Comparison of a Pelleted Diet and a Long Hay-concentrate Diet for Performance Tests in Cattle."
- JOHN GEORGE PUTNIK, Educational Administration - "The History and Development of the Eligibility Rules of the Mountain States Athletic Conference."
- LEW W. RALPHS, Industrial Education - "An Evaluation of Necessary Elements for desirable Industrial Arts Instruction in the Elementary Schools of Utah."
- KORISHNAPPA RAMAIAH, Agricultural Economics - "Economic Analysis or Organization and Management of Farms of Small Acreage in Utah, 1945."
- KRISHNAPPA RAMAIAH, General Agriculture - "B" Plan Seminar reports.
- BURTON WHITE ROBINSON, Psychology - "The Relationship Between Personal and Social Adjustment and Value Patterns."
- CHARLES A. ROBINSON, Educational Administration - "Teacher's Load and Assignment in Logan City Schools."
- WILFORD H. ROBINSON, Agronomy - "Some Relationships of Potassium to Lime-Induced Chlorosis."
- HORACE NESTOR RUMSEY, Education - "B" Plan seminar reports.
- TASADAKHUSEIN C. SACHAK, Horticulture - "B" Plan seminar reports.
- IRVING GERARD SAMPSON, Agronomy - "Fertilizer Trials on Dryland Winter Wheat."
- EDWARD V. SAUNDERS, Wildlife Management - "Reactions of the Rocky Mountain Muskrat (*Ondatra zibethica oregonensis*) to Drought Conditions at Ogden Bay Migratory Waterfowl Refuge, Utah."
- ELEANOR PAULINE SCHMIDT, Secondary Education - "Vocabulary Development in School Children."

- ALWYN DAINES SESSIONS, Psychology - "Relations Between Interest Patterns and Corresponding Patterns of Achievement."
- LESTER W. SCHAIBLE, Plant Pathology - "The Inheritance of Resistance to Verticillium Wilt in Tomato."
- JOSEPH CECIL SHARP, Industrial Education - "Certain Needs of the Refrigeration Industry as they Relate to Content of Refrigeration Courses."
- G. MERRILL SHAW, Industrial Education - "The Design of a Universal Projection Drawing Model and its Application in Teaching Projection Drawing."
- TORLIEF SKJERSETH, Civil Engineering - "The Hydraulic Characteristics of a Modified Venturi Section for Use as a Water Measuring Device in Open Channels."
- ALICE COLTON SMITH, Sociology - "A Study of Student Attitudes Toward the Courtship and Marriage Course at Utah State Agricultural College during Fall and Winter Terms, 1949-1950."
- JOHN A. STOCKING, Dairy Husbandry - "The Relative Efficiency of Artificially Stack-Dried Alfalfa Hay Versus Field Cured Alfalfa Hay in Promoting Growth of Dairy Heifers at Huntley, Montana."
- GERALD A. STOTT, Zoology - "The Location of the Gene Producing a Maternal Effect on Tumorous Head in *Drosophila Melanogaster*."
- ROBERT CHEN-WEI TANG, Vegetable Crops - "A Comparative Study of Different Amphidiploid Strains of the Species Hybrid *Allium Cepa* X *A. Fistulosum*."
- DELL ELWIN TAYLOR, Poultry Husbandry - "Effect of Adding Poultry Conditioners, Regulators and Tonics to a Practical Poultry Ration."
- KEITH E. TAYLOR, Secondary Education - "What Legal Provisions for Compulsory School Attendance have been made in the State of Idaho since Statehood, and how has the Compulsory Attendance Law Actually Affected Attendance?"
- JOHN WILLIAM THIET, Botany - "A Genetic Study of Complimentary Genes for Purple Lemma, Palea, and Pericary in Barley (*Hordeum vulgare* L.) ....."
- MILDRED WOLF THIET, Bacteriology - "The Efficiency of a Killed Vaccine in the Prevention and Mitigation of Turkey Synovitis."
- MURRAY WILLIAM THOMPSON, Civil Engineering - "Design of Spillway Capacities in Southwestern Saskatchewan."
- ROBERT V. THURMOND, Agricultural Engineering - "Canal Seepage Loss Investigations in the Lewiston Area, Utah."
- GWEN G. THURSTON, Home Economics - "B" Plan seminar reports.
- LLOYD G. TRANSTRUM, Animal Husbandry - "The Value of Boyd Measurements of Live Steers as Estimates of Condition, Dressing Percentage, and Carcass Quality."
- A. GLENN WAHLQUIST, Agronomy - "Seed Setting and Seed Production in Alfalfa as Affected by Lygus Infestation and Related Factors."
- LEO R. WALKER, Education - "Evaluating the Curriculum of Logan Secondary Schools in Terms of Meeting the Imperative Needs of Youth."
- FRANK FOLLETT WATSON, Psychology - "Some Factors in Personality Development and Adjustment of Adolescents."
- RAY WATTERS, Physical Education - "A Study of the Physical Education Background and Current Interests of the Freshmen Boys at the Utah State Agricultural College, Logan, Utah, 1950."
- LEWIS G. WEATHERS, Botany and Plant Pathology - "Studies on the Dodder Transmission of the Western-X Virus from Peach to Herbaceous Plants."
- ROSS M. WEAVER, Speech Correction - "The Construction of Apparatus and Development of a Method of Testing Hearing of Very Young Children."
- A. EVAN WESTERN, Bacteriology - "The Logan City Market Milk Supply as Revealed by an Analysis of the Bacteriological and Inspection Records."
- GAYNOR P. WILLIAMS, Civil Engineering - "The Seepage Problem on the South Okanagan Lands Project British Columbia."
- BILLY HILLMAN WINGFIELD, Wildlife Management - "A Waterfowl Productivity Study in Knudson Marsh, Salt Lake Valley, Utah."
- DALLAS R. WORKMAN, Educational Administration - "A formulation and Verification of Some Concepts of Evaluation in Education."
- YOUNG EDWARD WRIGHT, Wildlife Management - "Age and Growth of the Green Sunfish *Lepomis cyanellus* Rafinesque in Northern Utah."
- DAVI YANASUGONDHA, Dairy Manufacturing - "A Comparison of Sweet Cream Buttermilk Powder with Non-Fat Dried Milk Solids in the Manufacturing of Ice Cream."
- WILLIAM MERLE ZARBOCK, Wildlife Management - "An Ecological Study of the Utah Sculpin *Cottus Bairdi Semiscaber* in Logan River, Utah."
- GORDON LESTER ZORB, Wildlife Management - "Application of Pheasant Census Methods in Cache County, Utah."

#### DOCTOR OF PHILOSOPHY DEGREE

- BAKIR KASHIF ALGHITA, Irrigation and Drainage Engineering - "An Analytical and Experimental Study of the Permeability of Sand."
- NAJI ABDUL KADIR, Irrigation and Drainage Engineering - "Measurement of Permeability of Saturated Soils Below the Water Table."

#### HONORARY DOCTOR OF SCIENCE DEGREE

C. G. Adney

John T. Caine, III