

Hubert E. Hattrop

UNIVERSITY OF IDAHO

Fifty-Sixth
Commencement

Memorial Gymnasium Monday, June 4, 1951

Order of Exercises

Processional—Grand March (Aida) - - - - - Verdi

THE UNIVERSITY SYMPHONY ORCHESTRA

CARL CLAUS, *Conductor*

The Audience Stands While the Academic Group Enters

Invocation - - - - - REV. FATHER URBAN H. SCHMIDT
Pastor, St. Mary's Catholic Church, Moscow

Pilgrim's Chorus (Tannhauser) - - - - - Wagner

THE UNIVERSITY SINGERS

NORMAN R. LOGAN, *Conductor*

THE VANDALEERS

GLEN R. LOCKERY, *Conductor*

THE UNIVERSITY SYMPHONY ORCHESTRA

Commencement Address - - - - - "OPEN DOORS ARE FRONT DOORS"

HOWARD PIERCE DAVIS

Political Philosopher and Analyst

Bolton, Mass.

Conferring Degrees - - - - -

Presentation of Awards - - - - -

"And Here We Have Idaho" - - - - -

Benediction -- - - - - REV. FATHER URBAN H. SCHMIDT

Recessional—War March of the Priests (Althalia) - - - Mendelssohn

THE UNIVERSITY SYMPHONY ORCHESTRA

The Audience Stands While the Academic Group Retires

Bachelors Degrees

COLLEGE OF LETTERS AND SCIENCE

Bachelor of Arts

CHARLES WILLIAM ABSHIRE, *Castleford*
With High Honors

WILBUR LOUIS ANDREW, *Parma*

ROGER WILLIAM ASHBY, *Moscow*

ALBERT LOUIS ASUMENDI, *Meridian*

ELIZABETH MUIR BARLINE, *Spokane, Wash.*
With High Honors

EUGENE BELLOS, *Moscow*

DALE LEROY BENJAMIN, *Coeur d'Alene*

JOYCE LORRAINE BENSON, *Clarkston, Wash.*

ARTHUR CHARLES BLOMGREN, JR., *Boise*

RICHARD LEIGH BRADLEY, *Shoshone*

BEVERLY LEE BRESSLER, *Genesee*

CAROLINE SARMIENTO BROWN, *Pocatello*

LEOPOLDO SANCHEZ CESPEDAS, *San Diego, Calif.*

JOAN CLAIR CHURCHMAN, *Jerome*

JOHN WILLIAM CLAYBORNE, JR.,
McGraws, W. Va.

MARIAN LYLE CLIFT, *Bay City, Mich.*

LAVERNA LARRAINE COLE, *Peshastin, Wash.*

EARLE EVANS COSTELLO, *Portland, Ore.*

MOLLY EILEEN CRAMBLET, *Gooding*

ROBERT LLOYD CULBERTSON, *Rupert*

JAMES EDMUND DAUB, *Moscow*

ALLEN RICHARD DERR, *Clarks Fork*

JOHN B. FLOYD DILLON, JR., *Weiser*

PERRY WALTER DODDS, *Kimberly*

ROGER MURRAY DOHERTY, *Moscow*

MARY ANNE DUSAULT, *Moscow*

ANNE MARIE EGGLESON, *Lewiston*

EDWARD ELDON FIESTER, *Sellwood, Ill.*

JACK FISHMAN, *New York, N. Y.*

EILEEN MAY FOLEY, *Idaho Falls*

BERNARD ADELBERT FOSTER, *Nampa*

WILLIAM HOWARD FUNKHOUSER, *Carmi, Ill.*

WENDELL LEONARD GLADISH, *Pullman, Wash.*

KENNETH BROWN GOLDSBERRY,
Sentinel Butte, N. D.

PATRICE MERLE GRAY, *Boise*

FLORINE DENICE HAHNE, *Pocatello*

JEAN MARIE HAMMER, *Boise*
With High Honors

MARIE ETTA HARGIS, *Ashton*
With High Honors

DONNA JEAN NAOMI BROYLES HAYES,
Spokane, Wash.

JOSEPH PLESS HENNESSEE, *Marion, N. C.*

JACK DURIO HOAG, *Moscow*

MARIAN PURCELL HOLDEN, *Moscow*

RUTH JOAN IRVING HUMPHREY, *Moscow*

JOANN HUTCHINSON, *Orofino*

PHILIP WENDELL JOHNSON, *San Mateo, Calif.*

ROBERT DAMIAN JONES, *Twin Falls*

AMIE KAISAKI, *Lewiston*
With High Honors

SHIRLEY CLAIRE KARAU, *Troy*

CAROL VIRGINIA KORVOLA, *Orofino*

HARRY GENE LAMSON, *Boise*

JAMES HOMER LANDERS, *Nampa*

SEET BEAK LAU, *Hilo, Hawaii*

JOHN WILLIAM MCBEE, *Mohler*

NATHAN GORDON MARKS, *Spokane, Wash.*

JOHN EDGAR MARTIN, *Burke*

JOHN ALEXANDER MATHESON, *Moscow*

SAMUEL CHAPMAN MAXWELL, *Omaha, Neb.*

CHARLES DALE MENDENHALL, *Ontario, Ore.*

PATRICIA PAULINE NELSON MERVYN, <i>Genesee</i> With High Honors	BONNIE BARBARA SHULDBERG, <i>Terretton</i>
CAROL JEAN MILLER, <i>Castleford</i>	LUCIA LILY SPENCER, <i>Richland, Wash.</i> With High Honors
JESSE DEAN MOSHER, <i>Lewiston</i>	ARTYS MARIE POWELL STAUFF, <i>Sacramento, Calif.</i>
MANILA MAY HANSON NULL, <i>Cody, Wyo.</i>	ROBERT WALTER STEPHENS, <i>Winchester</i>
LOIS ANNE WINNER ODBERG, <i>Genesee</i> With High Honors	EDITH CATHERINE STOUGH, <i>Moscow</i> With High Honors
BETTY LORRAINE PETERS, <i>Caldwell</i> With High Honors	LEOLA DELL SUMNER, <i>Troy</i>
BEVERLY JUNE POWERS, <i>LaMesa, Calif.</i>	JAMES HENRY TATE, <i>Hope</i> With High Honors
ALFRED JAMES PRINCE, <i>Rochester, N. Y.</i> With High Honors	ISAAC EUGENE TODD, <i>Buhl</i>
JUSTIN LOWE QUACKENBUSH, <i>Spokane, Wash.</i>	RUTH VAN ENGELEN, <i>Twin Falls</i>
WILLIAM CRAIG RODEN, <i>Moscow</i>	ROBERT CHARLES WADDEL, <i>Vermillion, S. D.</i>
DWAIN BRUCE ROSA, <i>Caldwell</i>	MARVIN RALPH WASHBURN, <i>Twin Falls</i>
GLORIA HILDA BURGESS SALLADAY, <i>Twin Falls</i>	ELIZABETH ANNE WILCOX, <i>Boise</i>
ILA JEANINE SAMPLE, <i>Buhl</i> With High Honors	MARY LOUISE WILL, <i>Moscow</i>
JOSEPH HORTON SCHRETENTHALER, <i>Moscow</i>	RHODA MARIE HILL WILSON, <i>Moscow</i>
BEVERLY ANNE SCHUPFER, <i>Kendrick</i> With High Honors	FLORENCE BEATA WOHLSCHEGEL, <i>Idaho Falls</i>
LEORA MAXINE SEELY, <i>St. Maries</i>	

Bachelor of Science

DONALD CLAYTON ALVORD, <i>Moscow</i>	VERNON LEE HARRIS, <i>Moscow</i>
ROGER BAKER ALLEN, <i>Portland, Maine</i>	HENRY EDWARD HOLT, <i>Charleston, W. Va.</i>
ROBERT SHELBY BENSON, <i>Moscow</i>	EDGAR BJORNSON JENSEN, <i>Boise</i>
MILTON IVAN BLUME, <i>Moscow</i>	ROBERT WILLIAM JONES, <i>Los Angeles, Calif.</i>
MARY ELIZABETH BONNETT, <i>Moscow</i> With High Honors	HALLIE ELISABETH HUDSON JUVE, <i>Moscow</i>
CAROL MARIE BOWLBY, <i>Moscow</i>	RICHARD EUGENE KENFIELD, <i>Clintonville, Wis.</i>
DARRELL WILLIAM BROCK, <i>Rupert</i>	PHILIP TAYLOR KINNISON, <i>Melrose, Mass.</i>
NATALIA JEAN BROWN, <i>McCall</i>	GERALD EDWIN KLINK, <i>Burley</i>
VIRGIL WESLY CARMICHAEL, <i>Moscow</i>	HUGH ALECK LAFFERTY, <i>Spokane, Wash.</i>
OMAR EUGENE CARROLL, <i>Lewiston</i>	LEON PAUL LIND, <i>Kendrick</i>
KENNETH GALE CLARK, <i>Kellogg</i>	MAURICE BUTLER LYNCH, <i>Marseilles, Ill.</i>
WELDEN EDWARD CLARK, JR., <i>Moscow</i> With High Honors	JOHN PARKER MCQUILLIN, <i>Ridgewood, N. J.</i>
RICHARD BYRD DAVEY, <i>Eau Claire, Wis.</i>	VAUGHN EUGENE MATHERS, <i>Portland, Ore.</i>
JOSEPH NEWTON EMMONS, <i>Kansas City, Mo.</i>	RUSSELL WALKER MILES, <i>Idaho Falls</i>
ROBERT ROSS FOSSUM, <i>El Paso, Texas</i> With High Honors	GERALD LOREN MILLER, <i>Lewiston</i>
GEORGE HORTON FOSTER, <i>Moscow</i>	ELMER KAY MONTGOMERY, <i>Kooskia</i>
JAMES CHARLES HAMPTON, <i>Culdesac</i>	JERALD CARL MOSS, <i>Buhl</i>

EDGAR FRANKLIN NEAL, *Ephrata, Wash.*
ALICE JEANNETTE NESBITT, *Sagle*
RICHARD EDWARD NICKESON, *Wellsboro, Pa.*
ALBERT RONALD PAPPENHAGEN, *Orofino*
DANIEL PIRAINO, *Staten Island, N. Y.*
RICHARD MURRAY PRATT, *White Plains, N. Y.*
SAFETY EVERETT REYNOLDS, *Kuna*

JOHN DAMON ROSENTHAL, *West Allis, Wis.*
LESTER SMITH, *Hansen*
ELMER ALLEN STOUT, *Kellogg*
WILLIAM TABER THORNHILL, *Kellogg*
ROBERT TAYLOR WEBB, *Twin Falls*
VERNE ELDEN WIDNER, *Midvale*
HERBERT ARTHUR YOUNG, *Great Neck, N. Y.*

Bachelor of Science in Pre-Medical Studies

CHARLES ARTHUR BERRY, *Moscow*
CLARENCE EDWARD JOHNSTON, *Moscow*
WILLIAM PIERRE MARINEAU, *Moscow*
 With High Honors
FRANK EDWARD MATHER, *Portland, Ore.*

BRUCE DUANE POWELL, *Moscow*
GORDON CHRIS TAYLOR, *Detroit, Ore.*
NEVILLE ALLEN WILLIAMS, JR., *Grangeville*

Bachelor of Science in Home Economics

BEVERLY JEAN FREEBURG BURCHAM, *Tensed*
LONA MAE CARNEY, *Idaho Falls*
NORMA JEAN DAUGHERTY, *Hailey*
MARGARET VICTORIA FAUST, *Idaho Falls*
 With High Honors
NINA MAYBELLE GARDNER, *Boise*
BONNIE MAE GRAHAM, *Osborne*
CAROLYN LOU HANSEN, *Aberdeen*
BARBARA JEAN HEYER, *Melba*
RUTH HAMILTON LOTSPEICH, *Eastport*
JANICE MARIE McCORMICK, *Caldwell*

HELEN MARIE MEANS, *Boise*
MERILYN MAE PETERSEN, *Payette*
BERNADEAN JOY REESE, *Boise*
JOAN MARGUERITE ROWBERRY, *Payette*
VIRGINIA GRAYLING SCHEUFFELE, *Marsing*
ROSE ELLEN SCHMID, *New Plymouth*
BARBARA JANE WARE SPINK, *Nampa*
MARY ELLEN STEFANAC, *Mullan*
AMELIA ELIZABETH STEIGER, *Kendrick*

Bachelor of Music

MARY E. NORIE BANKS, *Moscow*
FRANCES FLORENCE MISSON,
 Coleman, Alberta, Canada

ROBERT VICTOR NELSON, *Boise*

Bachelor of Naval Science

JAMES GILBERT BAKER, *Des Moines, Iowa*

GEORGE WILLIAM MUELLER, *Lowell, Mich.*

COLLEGE OF AGRICULTURE

Bachelor of Science in Agriculture

ALTON DEAN ANDERSON, <i>Idaho Falls</i>	PAUL CHANDLAR KUNKEL, <i>Amsterdam</i>
JAMES HENRY ASHBY, <i>Bruneau</i>	JACK SELMAN LACY, <i>Dallas, Texas</i>
VERNON ALLEN BAHR, <i>Weiser</i> With High Honors	JOHN TAYLOR LARSEN, JR., <i>Blackfoot</i>
LEONARD ALBERT BRACKEBUSCH, <i>Bonnors Ferry</i> With High Honors	KENNETH SIMMON LIND, <i>Burley</i>
WILLIAM GEORGE BRIGGS, <i>Felt</i>	DONALD EARL MCMAHAN, <i>Council</i>
DUNCAN ANGUS CAMERON, <i>Challis</i>	OTIS CLEO MALOY, JR., <i>St. Maries</i>
PAUL JOSEPH CARLSON, <i>Moscow</i>	BENNY MARTIN, <i>Bruneau</i>
ROGER J. CHICHESTER, <i>Sandpoint</i>	FRANK DAVIS MORRISON, <i>Murtaugh</i>
BRYAN EUGENE CHRISTIAN, <i>Coeur d'Alene</i>	REID PIERCE NELSON, <i>Moscow</i>
EUGENE RUSSELL COLLINSWORTH, <i>New Plymouth</i>	SHERMAN LINDY NESBITT, <i>Nampa</i>
ELDEN WILLARD CONE, <i>Bonnors Ferry</i>	ANDREW GEORGE O'LEARY, <i>Weiser</i>
HAROLD EVERETT COTTRELL, <i>Orofino</i>	DONALD RICHARD OLESON, <i>Moscow</i>
RAYNOLD DAVID DAVIS, <i>Sandpoint</i>	DON CARLOS PARKER, <i>Ovid</i>
FRANK CLARK GILLETTE, <i>Declo</i>	LERAY MAC PARKINS, <i>Marsing</i>
JAMES MARTIN GRAHAM, JR., <i>Homedale</i>	KENT STANFORD PAYNTER, <i>Payette</i>
WILLIAM WALLACE GRAY, <i>Spring Valley, Calif.</i>	NICK PLATO, <i>Bonnors Ferry</i>
JOHN ROBERT GREER, <i>King Hill</i>	LAWERENCE MACK RASMUSSEN, <i>New Plymouth</i>
LAURENCE LEE GROVER, <i>Boise</i>	ERNEST NELSON REED, JR., <i>Hazelton</i>
JOHN FRANK GRUBB, <i>Swan Valley</i>	EUGENE OLIVER REED, <i>Sagle</i>
LEONARD DEAN HALE, <i>Midvale</i>	EUGENE MURRAY RINEBOLD, <i>Mountain Home</i>
RALPH DANIEL HART, <i>Filer</i>	ALLEN EDWARD SCHARK, <i>Moscow</i> With High Honors
JOHN HERMAN HASBROUCK, <i>Cascade</i>	PAUL WILLIAM SCHWABEDISSEN, <i>Idaho Falls</i>
PAUL ORIN HAXTON, <i>Chili, Ind.</i>	WALLACE HUNT SHIPLEY, <i>Palouse, Wash.</i>
GEORGE NEAL HILL, <i>Ashton</i>	DYLE SMITH, <i>Thornton</i>
JOHN ELDEN HILL, <i>Ashton</i>	LAMONT SMITH, <i>Preston</i>
RAY HULET, <i>Rockland</i>	HERBERT DEAN STEVENS, <i>Worley</i>
ALLEN GAIL INGBRITSEN, <i>Moscow</i>	WILLARD DAVID STEVENSON, <i>Caldwell</i>
KENNETH EDWARD IRONS, <i>Jerome</i>	HORACE ROBERT STRADLEY, <i>Twin Falls</i>
ROY DEE IRONS, <i>Wendell</i>	WARD SUTTON, <i>Midvale</i> With High Honors
HARRY FRANKLIN ISAMAN, JR., <i>Lewiston</i>	ROBERT WESLEY SWANSON, <i>Pocatello</i>
RICHARD EUGENE JOHNSON, <i>Filer</i>	GLENN EVARISTE TALBOT, <i>Notus</i>
KEITH RAY JUDD, <i>Burley</i>	WARREN ADAMS TAYLOR, <i>Moscow</i>
ROBERT LEO JUVE, <i>Moscow</i> With High Honors	PAUL JAMES TORELL, <i>Troy</i> With High Honors

JACK CARL TRAUTMAN, *Meridian*
FREDERICK ROY TROEH, *Grangeville*
With High Honors
JOHNNY CARMELO URQUIDI, *Grand View*
DONALD J. WAGONER, *Meridian*
GERALD GEORGE WEAVER, *Lewiston*
With High Honors

JOHN MYRON WEINMANN, *Lewiston*
JOHN FRANKLIN WESTER, *Nezperce*
PETER KUHL WILSON, *Culdesac*
DURWARD WILDES WOMACK, *Firth*

COLLEGE OF ENGINEERING

Bachelor of Science in Civil Engineering

ALFRED BERT ANDERSON, JR., *American Falls*
BURTON BERGMAN, *Moscow*
WILLIAM EDWARD BOLTON, *Dietrich*
JACK PHILIP BUERKLE, *Richland, Wash.*
MARVIN ANDREW CARMICHAEL, *Moscow*
ROBERT BAYNHAM CHRISTENSEN, *Idaho Falls*
CHARLES EWING CLARK, *Paul*
DAVID AARON CRANE, *Castle Rock, Wash.*
GEORGE GORDON GOBLE, *Star*
ROBERT MARVIN GRIFFITH, *Coeur d'Alene*
RALPH EUGENE HAVERKAMP, *Ronan, Mont.*
With High Honors
RONALD ERNEST HILL, *Boise*
JOHN STEINAR HOVLAND, *Sogndal, Sogn, Norway*
RUPERT JOSEPH HUCKABEE, *Boise*
RULON MARSHALL JENSEN, *Idaho Falls*
RAFAEL FRANCIS JIMENEZ, *Blackfoot*
ARNOLD ALFRED JOHNSON, *Twin Falls*
With High Honors

SVERRE KONGSGAARD,
Nytorvet, Kongsberg, Norway
DONALD WAYNE LARGENT, *Sandpoint*
CHARLES JULIAN LORD, *Gooding*
TOR LYSHAUG, *Slependen, Oslo, Norway*
THOMAS JOHN MENDIOLA, *Mountain Home*
DONALD FRANK RANDALL, *Lewiston*
KAARE REED, *Egersund, Norway*
DOUGLAS ALVA ROUNDS, *Renton, Wash.*
OLE MAGNAR SAATVEDT, *Oslo, Norway*
WILLIAM WALTER SACHT, *Clarks Fork*
ROBERT GIESE SMITH, *Redding, Calif.*
HAROLD WARNER STIVERS, *Boise*
ROBERT THOMAS STOKER, *Pocatello*
GALE VERNON TAYLOR, *Rupert*
THOMAS BRADLEY TREES, *Gooding*
ROBERT WILLIAM UNDERKOFER, *Boise*
ROBERT CYRUS WHEELER, *Mountain Home*

Bachelor of Science in Electrical Engineering

RICHARD GORDON ALLEN, *Boise*
FRED VICTOR ARRASMITH, *Spokane, Wash.*
JAMES EDGAR BELL, *Burley*
JOSEPH JOHN BUTKUS, *Moscow*
ROY FRANCIS DOUPE, *Spokane, Wash.*
ROGER LAVERN DOWNEND, *Boise*
DONALD LEE ENDICOTT, *Coeur d'Alene*
DON KENDALL FULLMER, *St. Anthony*

MARION ELMER GILLILAND, *Moscow*
JAMES WILLIAM GROTHAUS, *Emmett*
JAMES EDWARD HARDIE, *Troy*
FRANK NATHANIEL HARRIS, *Forney*
ROY SUMNER HOOPER, JR., *Kellogg*
FREDERICK BURNELL HYLAND, *Bonnors Ferry*
With High Honors
CLIFFORD JOSEPH JENSEN, *Moscow*
THOMAS HARRY JOHNSON, *Mullan*

FRANK BERNARD KILIAN, Jr., <i>Harrison</i>	ROBERT JEROME O'CONNOR, <i>Moscow</i>
✓ TOMMY GENE LESHNER, <i>Twin Falls</i>	✓ NEAL CALVIN OXFORD, <i>Boise</i>
EMMETT JAMES LISLE, <i>Parma</i>	GRANT NELSON RADFORD, <i>Preston</i>
✓ DURMOND KWOCK MING LOOK, <i>Honolulu, Hawaii</i>	WILLARD ALVIN ROE, <i>Eureka, Mont.</i>
DONALD LAMAR LOTT, <i>Hagerman</i>	RICHARD HENRY SPRUTE, <i>Cottonwood</i>
GENE GLEN McCULLOUGH, <i>Palouse, Wash.</i>	ROBERT JOHN STEIGER, <i>Ferdinand</i>
DONALD DEE NIELSEN, <i>Idaho Falls</i>	ROBERT BLAIR TEDERMAN, <i>Wendell</i>

Bachelor of Science in Mechanical Engineering

JOHN WILLARD CASWELL, <i>Potlatch</i>	CLARK MARVIN LONG, <i>Pomeroy, Wash.</i> With High Honors
VAUGHN E. DENNING, <i>Twin Falls</i> With High Honors	CHESTER CARLTON McMULLIN, <i>Moscow</i>
RALPH VERNON DULIN, <i>Coeur d'Alene</i>	ALFRED MISKIN MAYO, <i>Los Angeles, Calif.</i>
DONALD LEE ENDICOTT, <i>Coeur d'Alene</i>	DALE WILLIAM MILICH, <i>Boise</i>
RICHARD LAWRENCE GARDNER, <i>Moscow</i>	PAAL MYKLEBUST, <i>Gimleveiien 57, Bergen, Norway</i>
RITCHIE BELTON GOOCH, <i>Moscow</i>	RICHARD HALLAM SHEPPARD, <i>Corvallis, Ore.</i>
JAMES JOSEPH HANSEN, <i>Boise</i>	KENNETH ERLAND SIPILA, <i>Moscow</i>
GEORGE TORALF HAUGLAND, <i>Brooklyn, N. Y.</i>	JOHN ROBERT SPINK, <i>Nampa</i>
JACOB DONALD KERTZ, <i>Chicago, Ill.</i> With High Honors	STANLEY GEORGE THOMAS, <i>Nezperce</i> With High Honors
SHELBY DEAN LENANDER, <i>Wardner</i>	GEORGE WEBB, <i>Moscow</i>

Bachelor of Science in Chemical Engineering

KEITH RHEAD BOWMAN, <i>McCammon</i>	JOSEPH WILFRED KASS, <i>Moscow</i>
HAROLD AUGUST BIAMMER, <i>Cameron</i> With High Honors	JACK BRYAN KENDALL, <i>Boise</i>
EUGENE ALAN COPPINGER, <i>Ketchum</i>	KARL JAMES KLASON, <i>Moscow</i>
CHARLES CALVIN CROTHERS, <i>Shoshone</i>	GILBERT ALLEN NICHOLSON, <i>Twin Falls</i>
KENNETH DON HAYDEN, <i>Coeur d'Alene</i>	GEORGE REY, <i>Yonkers, N. Y.</i>

Bachelor of Science in Agricultural Engineering

LESLIE WAYNE ABBOTT, <i>Parma</i> With High Honors	HOWARD GLENN MEARES, JR., <i>Riverside, Calif.</i>
JACK THOMAS BARRACLOUGH, <i>Boise</i>	JAMES FREDERICK REINHARDT, <i>Lewiston</i>
RUSSELL OLIVER BAUM, <i>Ashton</i>	RICHARD EARL TOEVS, <i>Aberdeen</i>
ELVAN LEE BEAN, <i>Melba</i>	WILLIAM GURNEY WALKINGTON, <i>Hazelton</i>
RONALD ERNEST HILL, <i>Boise</i>	

COLLEGE OF LAW

Bachelor of Laws

EDWARD JOSEPH ASCHENBRENER, *Nampa*

NASH JOSEPH BARINAGA, *Moscow*

FRANK VINCENT BARTON, *Lewiston*

JAMES CHARLES BLANTON, *Moscow*

PRESTON B. BRIMHALL, *Idaho Falls*

EUGENE LORIN BUSH, *Idaho Falls*

FRANK ELGIN CHALFANT, JR., *Boise*

THOMAS HOLM CHURCH, *Burley*

LOUIS HARRISON COSHO, *Boise*

CHARLES HENRY CREASON, *Rupert*

WALTER EUGENE CURNUTT, *Rockport, Wash.*

JOHN RAY DURTSCHI, *Driggs*
With High Honors

GORDON WILLIAM FOSTER, *Spokane, Wash.*

HILMER REYNOLD GEORGE, *Rigby*

ROBERT BRISCO HODGE, *Moscow*

JAMES WENDALL INGALLS, *Coeur d'Alene*

JAY ROY JONES, *Moscow*

JAMES PARSONS KEANE, *Wallace*

DOUGLAS DUANE KRAMER, *Gooding*

HERMAN JOSEPH McDEVITT, *Pocatello*
With High Honors

RICHARD LAWRENCE McFADDEN, *Plummer*

JACK BERNARD MCKINLEY, *Decatur, Ill.*

RICHARD GEORGE MAGNUSON, *Wallace*

JAMES JUNIOR MAY, *Sandpoint*

JOHN CLINTON PETERSON, *Moscow*

DONALD HEMSLEY PURCELL, *Rexburg*

NELS THEODORE SAHL, *Moscow*

RUSSELL CLIFFORD SHAUD, *Moscow*

ERNEST MITCHELL SMITH, JR., *Kellogg*

WILLIAM MORGAN SMITH, *Moscow*

EDWARD STANWOOD, III, *Lihue, Kauai, Hawaii*

JOHN HOWARD TURNBULL, *Shoshone*

PETER BOTTUM WILSON, *Moscow*

SCHOOL OF MINES

Bachelor of Science in Mining Engineering

GORDON LEE BLACKBURN, *Moscow*

RICHARD EDWIN CHAMBERLAIN, *Orofino*

RALPH MASON DUNKLE, *Moscow*

OLIVER WENDELL HARRIS, JR., *Naples*

CHARLES RICHARD THOMAS, *Portland, Ore.*

RAYMOND CHARLES TROXELL, *Moscow*

Bachelor of Science in Metallurgical Engineering

WILLIAM FAYETTE PALMER, *Moscow*

ROBERT HENRY SCANLON, *Yonkers, N. Y.*

Bachelor of Science in Geological Engineering

JAMES CARROLL NICHOLS, *Coeur d'Alene*

ALBERT KAY SMITH, *Moscow*

SCHOOL OF FORESTRY

Bachelor of Science in Forestry

ROBERT WAYNE BATES, <i>No. Stonington, Conn.</i>	JAMES JOSEPH KELLY, <i>Moscow</i>
JOHN RAY BLACK, <i>Glendale, Calif.</i>	MAX RICHARD KING, <i>San Francisco, Calif.</i>
WILLIAM JUNIOR BURCHARD, <i>Fresno, Calif.</i>	DAVID STUART KLEHM, <i>Coeur d'Alene</i>
RALPH L. CARMICHAEL, <i>San Diego, Calif.</i> With High Honors	JAMES HUGH KUECHMANN, <i>Manitowoc, Wis.</i>
DEWEY ELLSWORTH CLARK, <i>Boise</i>	HENRY CLAYTON LAND, JR., <i>Moscow</i>
ELMOR DAN CLARK, <i>Susanville, Calif.</i>	CLAIRE ERWIN LETSON, <i>Taylor, Wis.</i>
FREDERICK THOMSON COOK, <i>Worcester, Mass.</i>	JAMES BATES MCGEE, <i>Moscow</i>
JOSEPH CALVIN DOWNING, <i>Libby, Mont.</i>	ROBERT ORMOND McMAHON, <i>Spokane, Wash.</i> With High Honors
WILLIAM ROBERT DRIVER, <i>Lewiston</i>	LEO JOHN MARTIN, <i>Moscow</i>
BRUCE EMIL EGGER, <i>McCall</i>	CONRAD GEORGE MERRICK, <i>Spokane, Wash.</i>
JOHN CLIFFORD ENGWER, <i>Superior, Wis.</i>	RAYMOND LEO MILLER, JR., <i>Elmhurst, Ill.</i>
FRANK JOSEPH FAVOR, <i>Metaline Falls, Wash.</i>	ROBERT STAPLES NOBIS, <i>Kimball, S. D.</i>
DONALD LEROY FINNEY, <i>Riverside, Calif.</i>	DUANE BROWN PYRAH, <i>Carey</i>
GLEN DALE FULCHER, <i>Nampa</i> With High Honors	WALTER MYRON RISSE, <i>Moscow</i>
HENRY WALTER GILBERTSON, JR., <i>Bladensburg, Md.</i>	JERRY RUSHTON ROCKWOOD, <i>Iona</i> With High Honors
HOWARD LEE GORSUCH, <i>Kamiah</i>	JAMES GIVLER RODGERS, <i>Castle Rock, Wash.</i>
ROBERT VIRL GORSUCH, <i>Kamiah</i>	CHARLES FRANCIS SIMMONS, <i>Spokane, Wash.</i>
JOHN EDWARD HAGSTEN, <i>Jesse Lake, Minn.</i>	ROBERT WILLIAM SONNICHSEN, <i>Coeur d'Alene</i>
ARTHUR CURTIS HALL, <i>Moscow</i>	MALCOLM KEITH STAHL, <i>Moscow</i>
JOHN GILBERT HARRIS, <i>San Carlos, Calif.</i>	DALE SEAMAN THACKER, <i>Rupert</i>
HOWARD ROY HEINER, <i>Lewiston</i>	HAROLD EUGENE THOMAS, <i>Moscow</i>
SAUL BENJAMIN HIRSCHBERG, <i>Hartford, Conn.</i>	DONALD BOYD TSCHANZ, <i>Mackay</i>
BURTON WHEELER HOLT, <i>Grangeville</i>	CHARLES RICHARD WHITT, <i>Boise</i>
CARL LINWOOD HOLTON, <i>St. Louis, Mo.</i>	CLAUDE ERVIN WILLOWS, <i>Moscow</i>
HUGH HASTINGS JUDD, JR., <i>Rupert</i>	SYDNEY ENOS WRAY, <i>Pocatello</i>

SCHOOL OF EDUCATION

Bachelor of Science in Education

IMOGENE JO ANDERSON, <i>Moscow</i>	NORMAN DALE BARBER, <i>Marsing</i> With High Honors
BETH TILLOTSON ATCHISON, <i>Boise</i>	VERNON EUGENE BAXTER, <i>Salinas, Calif.</i>
JAMES EDWARD ATCHISON, <i>Moscow</i>	MARVIN RAY BEGUEHL, <i>Caldwell</i>
DALLES GENE ATOR, <i>Coeur d'Alene</i>	RICHARD EATON BELL, <i>Coeur d'Alene</i>
BESSIE MAE SAVAGE BAKER, <i>Nampa</i>	HOWARD PETER BERGER, <i>Lewiston</i>

SHERMAN EUGENE BLACK, *Moscow*
With High Honors

ELLEN LOUISE BLENDE, *Weippe*

MILBOURNE KING BLOCK, *Twin Falls*

JAMES MATHEW BRAMBLET, *Elk River*
With High Honors

WILLIAM MARTIN BREMMER, *Emmett*

FRANCES LILLIAN BUTLER, *Bliss*

RAYMOND CARNEY, JR., *Idaho Falls*

ELLEN CLAUDINE CARSON, *Nampa*

JAMES FRANK CHADBAND, *Visalia, Calif.*

MARY ELIZABETH CLYDE, *Moscow*

JAY ELLSWORTH COUCH, *Coeur d'Alene*

SERGE SHERWOOD COVAL, *Moscow*

GLENN McCLELLAN DARNALL, JR.,
New Plymouth

MARIAN ALMA SHERMAN DAVIDSON, *Moscow*

ELVIN JOHN DENNIS, *Moscow*

WALKER HINMAN EDENS, *Boise*

EVAN LINVILL ELLIS, *Kooskia*

ANNA JANE FISK, *Orofino*

RALPH ROBERT FOTHERGILL, *Nampa*
With High Honors

ALONZO JAMES FULTON, *Spokane, Wash.*

DORA JOY GAUDIN, *Spokane, Wash.*

PAMELA ELEANOR GAUT, *Lewiston*
With High Honors

ESTHER ANNE SIMON GIESLER, *Fairfield*
With High Honors

NORMAND WORCESTER GREEN,
Downers Grove, Ill.

HELEN LOUISE GRIDER, *Boise*

GEORGE WILLIAM GUST, JR., *Detroit, Mich.*

LESTER M. HAAGENSEN, *Moscow*
With High Honors

RICHARD ALLEN HAGEN, *White Bird*

CELIA ORILL HALL, *Glenns Ferry*

CONSTANCE HAMMOND, *Boise*
With High Honors

JOHN ROBERT HARRIS, *Naples*

JAMES ROBERT HATHORN, *Cambridge*

GEORGIE ANN HEMOVICH, *Hailey*

HAZEL JUNE HOWARD, *Hazelton*

RONALD CARL HUFFER, *Parma*

BURTON ROWE HUMPHREY, *Moscow*

JAMES PERLE JENNINGS, *Moscow*

BENJAMIN FRANKLIN JOHNSON, *Indian Valley*

STELLA ELIZABETH JOHNSON, *Troy*

LAWRENCE COVERT JONES, *Malad*

JORDON STUART KANIKKEBERG, *Kendrick*

OSWALD KANIKKEBERG, *Moscow*

KEITH BOYD KEEFER, *Idaho Falls*
With High Honors

DONALD JOSEPH KEES, *Spokane, Wash.*

HARRIETT ANN KETTENBACH,
Calgary, Alberta, Canada

MARCO KIILSGAARD, *Bonnors Ferry*

RAY EVERETT KORB, *Weiser*

RAYMOND DALE LANE, *Moscow*

MARY DARYL CANFIELD LEDUC, *Moscow*

DEXTER MAURICE LINCK, *Sacramento, Calif.*

WILLIAM ROBERT LIND, *Kendrick*

ELIZABETH JANE LOREN, *Kellogg*

KENNETH DAVID LYONS, *Portland, Ore.*

EDITH COLLEEN McDONALD, *Bovill*

MARGARET COLLEEN McENTEE, *Boise*

HERBERT MALCOLM MEAD, *Juneau, Alaska*

FRANCIS SCOTT MEEKER, *Bonnors Ferry*

ILABELLE BLIZARD MERCER, *Moscow*

MARILYN CAMILLE MINGUS, *Emmett*

SHIRLEY LORRAINE NELSON, *Lewiston*

EARL RICHARD NEWELL, *Laurens, Iowa*

DOROTHY EVELEEN O'HARA, *Spokane, Wash.*

DONALD WARREN PARK, *Leo, Wyo.*

JOHN JAMES PATERSON, *Bellevue*
With High Honors

FRANK ARTHUR PENTZER, *Culdesac*

RACHAEL LOUISE NOYES PERKINS, *Lewiston*

JOHN L. REAGER, *Kingston*

FRANK JUNIUS REICH, *Kellogg*

RITA JEAN PAGE REYNOLDS, *Gooding*

MONTE LEROY ROBERTSON, *Moscow*

CORRINE RAE SCHUMACHER, *Colton, Wash.*

FREDERICK NICHOLAS STALLWORTH, JR.
Ft. Walton, Fla.

BARBARA ELIZABETH STORMS, *Ellensburg, Wash.*

PHYLLIS JOYE STRICKER, *Grangeville*

DWIGHT SUTTON, *Caldwell*

COLLEEN ANN EBBE SWANSON, *Moscow*

BARBARA SWANSTROM, *Council*
With High Honors

JAMES ARTHUR TALLANT, *Fullerton, Calif.*

WAYNE A. THOMPSON, *Moscow*

WILLIAM OSCAR TREMAN, *Coeur d'Alene*

CHARLES EDWARD TROWBRIDGE, *Salmon*

AMYLEE GARRISON WALSH, *Moscow*

THOMAS WEBB, *Lapwai*

LOIS AILENE WHEELER, *Meridian*

HELEN ALICE BROWN WILKINS, *Kamiah*

THOMAS REED WILSON, *Moscow*

Bachelor of Science in Music Education

EDWARD ALLAN ANDERSON, *Coeur d'Alene*

RICHARD THOMAS ATWOOD, *Colfax, Wash.*

BERNICE BARBARA BAUER, *Ephrata, Wash.*

BARBARA MAE CLAUSER, *Payette*

LORALEE EPPERSON, *Jerome*

GERALD JOHN GOECKE, *Post Falls*
With High Honors

JOHN BERNARD GREGORY, JR., *Wallace*

JACK THOMAS PERCIFUL, *Moscow*

BARBARA JOYCE WALSER, *Harvard*

ARTHUR NEUM WOODBURY, *Kingston*

Bachelor of Science in Business Education

PHYLLIS ETHEL ANDREW, *Parma*

CLARICE ESTELLE SOKVITNE GLASSCOCK, *Moscow*

BETTY LU BAILEY JAYNE, *Moscow*

WAYNE RAYMOND LEACH, *Moscow*

ROBERT LAMOINE PEGG, *Coeur d'Alene*

HAROLD EDWARD POHLOD, *Moscow*

GEORGIA LEA STONEMETS, *Buhl*

EILEEN THOMSON, *Shoshone*

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

ANTONE PAUL ARAQUISTAIN, *Caldwell*

CLARENCE ARESVIK, *Coeur d'Alene*

JOHN JOE ASCUAGA, *Caldwell*

JOHN OLIVER ASKER, JR., *Grangeville*

EUGENE ELMER BABIN, *Wallace*

JOHN EARL BACON, *Lewiston*

JAMES RICHARD BARR, *Hailey*

KEITH ALLEN BEAN, *Sweet*

CLINTON HENRY BENEDICT, *Moscow*

RICHARD LYLE BENSCHOTER, *Kendrick*

ROBERT ANDREW BLOMQUIST, *Cave Creek, Ariz.*

RAYMOND LEE BOEHM, *Avery*

THOMAS GREGG BOYD, *Twin Falls*

HAROLD GARLAND BRADBURY, *Coeur d'Alene*

DONALD CLARK BROOKS, *Hazelton*

EDWARD ALAN BULLOCK, *Oakley*

JOHN GERALD BUNNELL, *Kellogg*

CLIFFORD ALAN CAHILL, *Weiser*

ALAN RAY TRUESDELL, *Mullan*

GEORGE EDWARD VAJDA, *Moscow*

ROY LEWIS VANCE, *Moscow*

FREDERICK WILLIAM VAN ENGELEN, *Twin Falls*

RUSSEL FOREST VIEHWEG, *Twin Falls*
With High Honors

AL JAMES WAGNER, JR., *Grangeville*

ELLWOOD VINES WERRY, *Shoshone*

SIDNEY EUGENE WERRY, *Hailey*

VANCE ALLEN WILBURN, *Stites*

DONALD STEWART WILLS, *Auburn, Mass.*

LEO FAY WINEGAR, *Emmett*

DALE GRANT WINSTON, *Boise*

GEORGE "B" WOODIE, *Howe*

BURTON DOUGLAS YOUNG, *Potlatch*

JOHN GEORGE ZWIENER, *St. Maries*

Advanced Degrees

Master of Arts

- KEITH JOHNSON ADAMS, B.A., *Moscow*
Major in Economics. *Thesis*: "An Economic Analysis of the Idaho Income Tax Law"
- ALLEN CHRISTIAN ANDERSON, B.A., *Tacoma, Washington*
Major in Music. *Composition*: "Sonata in E Minor for Piano"
- ROSEMARY ANNE CLASSEN, B.A., *Middle Village, New York*
Major in Political Science. *Thesis*: "Federal Grants-In-Aid to Idaho, 1938-1948"
- WILLIAM RICHARD DELL, B.A., *Spokane, Washington*
Major in English. *Thesis*: "The Characters of Stephen Crane"
- JEANNE LORENE FOSTER, B.A., *Shelley*
Major in Music. *Composition*: "Sonat Allegro"
- MAUDE COSHO HOUSTON, B.A., *Boise*
Major in American History. *Thesis*: "Idaho Territory: Its Origins, Its Governors, and Its Problems"
- HERMAN MAURICE JOHNSON, B.A., *Glenns Ferry*
Major in Political Science. *Thesis*: "The Decline of Neutrality"
- MARY ALICE JASPER JOHNSON, B.A., *Moscow*
Major in Music. *Composition*: "Variations on an Original Theme for Piano"
- ROBERT EUGENE LEWIS, B.A., *Twin Falls*
Major in English. *Thesis*: "Unified Reality: A Study of the Novels of Theodore Dreiser"
- ROBERT GLEN MILLER, A.B., *Pocatello*
Major in American History. *Thesis*: "Idaho's First Decade of Statehood 1890-1900:
A Survey and Critical Analysis"
- JUNE ANNETTE SIRINGER, B.A., *Moscow*
Major in English. *Thesis*: "E. M. Forster: Social Criticism Through Characterization"
- GEORGE WENDELL SKEELS, B.A., *Lewiston*
Major in English. *Thesis*: "Sherwood Anderson: False Gods in Modern American Society"
- JOSEPH ANTHONY SMILEY, B.A., *Moscow*
Major in Political Science. *Thesis*: "Bureaucracy and Public Control"
- LUCIA LILY SPENCER, B.A., *North Richland, Washington*
Major in French. *Thesis*: "Georges Duhamel: L'Homme et L'Oeuvre"

Master of Science

- DONALD EUGENE BAKER, A.B., *Canton, Ohio*
Major in Physical Chemistry. *Thesis*: "Spectrophotometric Studies of Some Lewis Acid-Base Reactions"
- ROBERT KEITH BARNES, B.S., *Monticello, Indiana*
Major in Organic Chemistry. *Thesis*: "A Phytochemical Investigation of *Salix Caudata*
and *Sedum Douglasii*"
- BERNARD ISADORE BITTEN, B.S., A.B., *Kewanee, Illinois*
Major in Geology. *Thesis*: "Age of the Potato Hill Volcanic Rocks, Near Deary, Latah County, Idaho"
- EDWARD WILLIAM BUEL, B.S., *Trenton, New Jersey*
Major in Geology. *Thesis*: "A Mineragraphic Study of Ore from the Tamarack Mine, Burke, Idaho"
- WILLIAM KENNETH BUHN, A.B., *Hayward, California*
Major in Geology. *Thesis*: "The Geology and Ore Deposit of the Rianda Mine,
Santa Clara County, California"
- BILLY BUSH, B.S. (For.), *Moscow*
Major in Organic Chemistry. *Thesis*: "Properties and Reactions of the Phenylchlorosilanes"
- JOHN EDWARD CARLSON, B.S., A.B., *Rockford, Illinois*
Major in Geology. *Thesis*: "A Lithologic Study of Some Medium-grained Upper Cretaceous
Sedimentary Rocks of Southeastern Idaho"

GAYLORD BARTLETT CHAMBERLIN, JR., B.S. (Pre-Med.), *Coeur d'Alene*
Major in Zoology. *Thesis*: "The Helminth Parasites of Muskrats of Gray's Lake, Idaho"

JOHN LEE CRITES, B.S. (Pre-Med.), *Moscow*
Major in Zoology. *Thesis*: "A Survey of the Visceral Parasites of the Ruffed Grouse of North Idaho"

ROBERT VICTOR DAHLSTROM, B.S., *Coeur d'Alene*
Major in Agricultural Chemistry. *Thesis*: "A Microbiological Assay for Vitamin B₁₂"

CATHERINE ANNE GIBBONS, B.S., *Seattle, Washington*
Major in Chemistry. *Thesis*: "Some Ketone Condensations Effected by Methylanilinomagnesium Bromide"

WILLIAM VERNON HARTWELL, B.S. (Pre-Med.), *Moscow*
Major in Agricultural Chemistry. *Thesis*: "A Study of Amino Acids Excreted by Cancerous and Normal Mice and the Effects of Select Proteins and Amino Acids on the Formation of Neoplasms in These Animals"

ELMER CARL HEINRICH, B.S., *Midvale*
Major in Plant Pathology. *Thesis*: "The Inheritance of Resistance to Tobacco Mosaic Virus in Interspecific Tomato Crosses"

CHARLES WARREN LAME, B.S., *Lewiston*
Major in Zoology. *Thesis*: "Regeneration in the Earthworm, *Lumbricus terrestris*"

ROLAND FLOYD OLSON, B.S., *Coeur d'Alene*
Major in Organic Chemistry. *Thesis*: "Preparation of Thiodiglycolic Acid and Derivatives"

CORT ALONZO ZIMMERMAN, B.A., *Emmett*
Major in Chemistry. *Thesis*: "The Condensation of Ketones with Aldehydes Through Use of RR'NMgX Catalysts"

Master of Science in Home Economics

JEAN DURGAN LINDBERGH, B.S. (Ed.), *Flint, Michigan*
Major in Home Economics. *Thesis*: "A Simplified Method of Clothing Construction for Junior High School Level"

SHIRLEY ANN NEWCOMB, B.S. (H.Ec.), *Moscow*
Major in Home Economics. *Thesis*: "A Study of the Content and Sequence of Institution Management Courses at the University of Idaho"

Master of Music

WALLACE ARTHUR JOHNSON, B.S., B.M., *Moscow*
Major in Music. *Composition*: "Sonata Allegro for Band"

Master of Science in Agriculture

LEWIS COLTRIN, B.S. (Agr.), *Burley*
Major in Plant Pathology. *Thesis*: "Evaluation of Methods of Seed Treatment to Control Seed Borne Diseases"

BOBBY JOE DEMOTT, B.S. (Agr.), *Moscow*
Major in Dairy Husbandry. *Thesis*: "A Study to Determine the Optimum Temperature and Point in Process for the Clarification of Market Milk"

FRANK RODNEY JOHNSON, B.S., *Coos Bay, Oregon*
Major in Dairy Manufacturing. *Thesis*: "An Economic Study of Producing Lactose from Cheddar Cheese Whey"

RAYMOND GILBERT LOCKARD, B.S.A., *Kaslo, British Columbia, Canada*
Major in Horticulture. *Thesis*: "The Secondary Effects of Sprays of Elgetol (2-4 Sodium Dinitro O-Cresylate) On Young Apple Seedlings"

MACK WILLIAM NEIBAUR, B.S. (Agr.), *Newdale*
Major in Agronomy. *Thesis*: "The Influence of Management Practices on Permeability and Aggregation of Palouse Silt Loam"

EDWARD WILLIAM OWENS, B.S. (Agr.), *Moscow*
Major in Horticulture. *Thesis*: "The Inheritance of Dry Matter in Onion Bulbs"

RALPH WILLIAM PITTS, B.S. (Agr.), *Emmett*
Major in Plant Pathology. *Thesis*: "The Sclerotinia Disease of Beans"

FRANCIS HOLLEY SIDDOWNAY, B.S. (Agr.), *Sugar City*
Major in Agronomy. *Thesis*: "The Influence of Nitrogen and Phosphate Fertilizers on the Yields, Composition and Quality of Dry Land Wheat in Southeastern Idaho"

WILLIAM ROY SIMPSON, B.S. (Agr.), *Buhl*
Major in Plant Pathology. *Thesis*: "Insect Feeding in Relation to Curly Top Disease Resistance in Tomatoes"

FRED ROLAND SNYDER, B.S. (Agr.), *Lewiston*
Major in Animal Husbandry. *Thesis*: "Determination of the Nutritive Value of Austrian Winter Peas for Chick Growth"

CARROL LENOX TYLER, B.S. (Agr.), *Twin Falls*
Major in Agricultural Chemistry. *Thesis*: "The Irrigation Water Quality and Its Influence on Soil Characteristics in Malad Valley, Idaho"

RICHARD DONALD WILLIAMS, B.S. (Agr.), *Moscow*
Major in Horticulture. *Thesis*: "Mode of Inheritance of Plant Height in Peas (*Pisium Sativum* Linn.) in Relation to Internode Length and Number"

WALTER EDISON WOOD, B.S., *Moscow*
Major in Horticulture. *Thesis*: "Hastening Seedstalk Development in Onion (*Allium Cepa* Linn.)"

Master of Science in Civil Engineering

FRANK STANLEY JUNK, B.S. (C.E.), *Moscow*
Major in Sanitary Engineering. *Thesis*: "A Study of the Effect of Paper Mill Wastes on the Clearwater River at Lewiston, Idaho"

JEAN MILAR, B.S. (C.E.), *Moscow*
Major in Civil Engineering. *Thesis*: "Sewage Treatment for Small Idaho Municipalities"

Master of Science in Electrical Engineering

PAUL MANN, B.S. (E.E.), *Moscow*
Major in Electrical Engineering. *Thesis*: "Electric Power Load Growth and Potential Power Development in Idaho"

Master of Science in Mechanical Engineering

CARROLL AUGUSTUS CURTIS, B.A., B.S., B.E., B.S. (M.E.), *Moscow*
Major in Mechanical Engineering. *Thesis*: "Engineering Fundamentals Applied to the Solution of Practical Problems"

ROBERT DEAN LARUE, B.S. (M.E.), B.S. (A.E.), *Moscow*
Major in Mechanical Engineering. *Thesis*: "An Experimental Absolute Viscometer for Newtonian Liquids"

Master of Science in Chemical Engineering

TOMMY W. AMBROSE, B.S. (Chem.E.), *Jerome*
Major in Chemical Engineering. *Thesis*: "Evaluation and Utilization of Wastes From Potato Starch Plants"

Master of Science in Metallurgical Engineering

JOSEPH HUGO BACH, B.S. (Met.E.), *Richland, Washington*
Major in Metallurgical Engineering. *Thesis*: "Some Effects of Rolling on the Crystallography and Metallography of Uranium"

OSCAR ROLLAND KLEMENS, B.S.(Met.E.), *Nampa*
Major in Metallurgical Engineering. *Thesis*: "Grinding Characteristics as Determined
by Metallurgical Results"

DAVID OSCAR SKILES, B.S.(Min.E.), *Moscow*
Major in Metallurgy. *Thesis*: "A Study of the Operational Features of a Gyrotary Ball Mill"

Master of Science in Forestry

ELWOOD GERALD BIZEAU, B.S., *Idaho Falls*
Major in Wildlife Management. *Thesis*: "Factors Affecting Waterfowl Production
at Gray's Lake, Idaho"

STEWART MONROE BRANDBOG, B.S.(W.T.), *Hamilton, Montana*
Major in Wildlife Management. *Thesis*: "The Life History and Ecology of the
Mountain Goat in Idaho and Montana"

HAROLD FRANCIS HAUPT, B.S.(For.), *Idaho City*
Major in Range Management. *Thesis*: "Some Factors That Influence the Loss of Total-Nitrogen
From Granitic Soils of Southwestern Idaho"

JAMES CURTIS MOOMAW, B.A., *Monett, Missouri*
Major in Range Management. *Thesis*: "Some Effects of Pelletting on Seeds of Range Forage Species"

KENNETH FREDERICK PARKIN, B.S.(For.), *Bolton, Lancashire, England*
Major in Forest Management. *Thesis*: "A Study of Seed Provenance of Douglas-Fir
(*Pseudotsuga taxifolia* brit.) Applied to Forestry in Great Britain"

HERBERT EDGAR SALINGER, B.A., *San Francisco, California*
Major in Wildlife Management. *Thesis*: "Factors Affecting Pheasant Production on
the Irrigated Lands in Southern Idaho"

DWIGHT RAYMOND SMITH, B.S.(For.), *Salmon*
Major in Wildlife Management. *Thesis*: "The Life History and Ecology of the
Bighorn Sheep in Idaho"

ROGER McDOWELL WILLIAMS, B.S., *Franklin, Pennsylvania*
Major in Wildlife Management. *Thesis*: "A Preliminary Investigation of the Muskrat
Population of Gray's Lake, Idaho"

Master of Forestry

ERNEST THORNTON GROVER, B.S.(For.), *Moscow*
Major in Forest Management. *Professional Paper*: "Major State Forestry Legislation in
the United States"

DAVID RAY HOWARD, B.S.(For.), *Moscow*
Major in Forest Management. *Professional Paper*: "The Possibility of Using Hybrid Vigor
in the Management of American Forests"

Master of Science in Education

LEROY ALBERT AMOS, B.S.(Ed.), *Kellogg*
Major in Education. Minor in Guidance. Comprehensive Examination.

HENRY WOODROW ASH, B.S.(Ed.), *Elk River*
Major in Education. Minor in Administration. Comprehensive Examination.

CLARK E. BELL, B.S., *Troy*
Major in Education. Minor in Administration. Comprehensive Examination.

PALMER KERMIT BERGE, B.S.(Ed.), *Moscow*
Major in Education. Minor in Administration. Comprehensive Examination.

VINCENT POOLE BEVIS, B.S.(Ed.), *Medford, Oregon*
Major in Education. Minor in Sociology. Comprehensive Examination.

MAE SHIPLEY BLODGETT, A.B., *Boise*
Major in Education. Minor in Guidance. Comprehensive Examination.

ARTHUR BAGLEY BOAM, B.S., *King Hill*
Major in Education. Minor in Administration. Comprehensive Examination.

DUDLEY BRUCE CAMERON, B.S.(Ed.), *Challis*
Major in Education. Minor in Administration. Comprehensive Examination.

EARL HENRY CARLSON, A.B., *Burley*
Major in Education. Minor in Administration. Comprehensive Examination.

CLINTON IRVIN CHASE, B.S., *Lewiston*
Major in Education. Minor in Psychology. Thesis: "A Study of the Incentive Values of Praise and Reproof as Measured by Retention."

ELMER LEVANT CLUTE, B.A.(Ed.), *Rogerson*
Major in Education. Minor in Administration. Comprehensive Examination.

EARL OLIVER COCHRANE, B.S.(Ed.), *Fruitland*
Major in Education. Minor in Administration. Comprehensive Examination.

ROLLO VINCENT CRATER, B.A., *Spokane, Washington*
Major in Education. Minor in English. Comprehensive Examination.

GEORGE HENRY CURTIS, B.A., *Boise*
Major in Education. Minor in Sociology. Thesis: "The Influence of the Teaching Profession of Idaho Upon the Course of Legislation for Public Schools."

MORTIMER MILNE CURTIS, B.A.(Ed.), *Moscow*
Major in Education. Minor in English. Comprehensive Examination.

MINNIE A. DAVENPORT, B.A., *Boise*
Major in Education. Minor in History. Comprehensive Examination.

DOROTHY HOEL DE VEAU, B. of Ed., *Moscow*
Major in Education. Minor in Art. Comprehensive Examination.

DELMER FRANK ENGELKING, B.S.(Ed.), *Kamiah*
Major in Education. Minor in Administration. Comprehensive Examination.

REX EVERETT ENGELKING, B.S.(Ed.), *Parma*
Major in Education. Minor in Administration. Comprehensive Examination.

WILLIAM THOMAS GOOD, B.A., B. of Ed., *Moscow*
Major in Education. Minor in Administration. Comprehensive Examination.

DALE LEWIS HAMMOND, B.S.(Ed.), *Pocatello*
Major in Education. Minor in Administration. Comprehensive Examination.

JAMES ROBERT HATHORN, B.S.(Ed.), *Cambridge*
Major in Education. Minor in Guidance. Comprehensive Examination.

OTIS NEUEL HILTON, B.S.(Ed.), *Davenport, Washington*
Major in Education. Minor in Physical Education. Comprehensive Examination.

DONALD CLIFFORD HOLMES, B.S.(Ed.), *Pullman, Washington*
Major in Education. Minor in Administration. Comprehensive Examination.

PAUL ROBERT HOPKINS, A.B., *San Luis Obispo, California*
Major in Education. Minor in Administration. Comprehensive Examination.

CARL HENRY HUNTINGTON, B.S.(Ed.), *Rupert*
Major in Education. Minor in Administration. Comprehensive Examination.

KEITH WARREN JACOB, B.S.(Ed.), *Homedale*
Major in Education. Minor in Administration. Comprehensive Examination.

HAROLD CHESTER JAUSSE, B.S.(Ed.), *Moscow*
Major in Education. Minor in Physical Education. Comprehensive Examination.

FRANKLIN MURL LANCASTER, B.A., *Nyssa, Oregon*
Major in Education. Minor in Administration. Comprehensive Examination.

LEVI LAGRANDE LARSEN, B.A., *Payette*
Major in Education. Minor in Administration. Comprehensive Examination.

VIRGEL AXEL LARSON, B.S.(Ed.), *Pinehurst*
Major in Education. Minor in Physical Education. Comprehensive Examination.

- LESTER LEROY LEWIS, B.S.(Ed.), *Caldwell*
Major in Education. Minor in Administration. Comprehensive Examination.
- FLOYD ALBERT LUFT, B.A., *Buhl*
Major in Education. Minor in Administration. Comprehensive Examination.
- JOHN TAYLOR MAST, B.S.(Ed.), *Glenns Ferry*
Major in Education. Minor in Administration. Comprehensive Examination.
- EVERETT LEE MILLS, B.E., *Milton, Oregon*
Major in Education. Minor in Administration. Comprehensive Examination.
- HOWARD IRVIN MONKS, JR., B.S., *Kellogg*
Major in Education. Minor in Administration. Comprehensive Examination.
- HAROLD O. NELSON, B.S.(Ed.), *Boise*
Major in Education. Minor in Curriculum. Comprehensive Examination.
- HELEN DOROTHY PESHAK NEWELL, B.A.(Ed.), *Boise*
Major in Education. Minor in Music Education. Comprehensive Examination.
- RAYMOND ARTHUR OLSON, B.A., B.S.(Ed.), *Moscow*
Major in Education. Minor in Guidance. Comprehensive Examination.
- JEFFERSON ELMER OVERHOLSER, JR., B.S.(Ed.), *Spokane, Washington*
Major in Education. Minor in Physical Education. Comprehensive Examination.
- SAMUEL MARSHAL PETERSON, B.S.(Ed.), *Homer, Alaska*
Major in Education. Minor in Administration. Comprehensive Examination.
- LEO RIEMAN, B.S.(Ed.), *Lewiston*
Major in Education. Minor in History. Comprehensive Examination.
- MAUNO JOHN SAARI, B.S.(Ed.), *McCall*
Major in Education. Minor in Administration. Comprehensive Examination.
- FLOYD EVART SAGE, B.S.(Ed.), *Naples*
Major in Education. Minor in Administration. Comprehensive Examination.
- EDWARD DELOS SANMAN, JR., B.S.(Ed.), *Lewiston*
Major in Education. Minor in English. *Professional Paper: "A Survey of the Teaching of Biology in the Secondary Schools of Idaho."*
- ARTHUR LOUIS SMITH, A.B., *Moscow*
Major in Education. Minor in Physical Education. Comprehensive Examination.
- VERNON WALLACE SMITH, B.S., *Pocatello*
Major in Education. Minor in Administration. Comprehensive Examination.
- LAURENCE ELMER SNYDER, B.S.(Ed.), *Moscow*
Major in Education. Minor in Physical Education. Comprehensive Examination.
- ROBERT GRANT SPIKER, B.S.(Ed.), *Moscow*
Major in Education. Minor in Guidance. Comprehensive Examination.
- LOIS ELINOR STONE, B.A., *Moscow*
Major in Education. Minor in Psychology, Ed. Guidance, Music. Comprehensive Examination.
- DWIGHT SUTTON, B.S.(Ed.), *Caldwell*
Major in Education. Minor in Guidance. Comprehensive Examination.
- PAUL FREDERICK TAYLOR, B.S.(Ed.), *Jerome*
Major in Education. Minor in Administration. Comprehensive Examination.
- RAY WALTER TURNER, B.S.(Ed.), *Wendell*
Major in Education. Minor in Physical Education. Comprehensive Examination.
- SISTER M. AUGUSTINE UHLENKOTT, B.A., *Cottonwood*
Major in Education. Minor in Music Education. Comprehensive Examination.
- EARL TORRENCE VOPAT, B.S.(Ed.), *Grangeville*
Major in Education. Minor in Administration. Comprehensive Examination.
- HUGH EDWARD WILSON, B.S.(Ed.), *Boise*
Major in Education. Minor in Physical Education. Comprehensive Examination.

LAWRENCE ALBERT WILSON, B.S.(Ed.), *Kendrick*
Major in Education. Minor in Administration. Comprehensive Examination.

WALTER DEAN WILSON, B.A., *Casey, Iowa*
Major in Education. Minor in Physics. Comprehensive Examination.

LAWRENCE ARTHUR WOOD, B.S.(Ed.), *Boise*
Major in Education. Minor in Administration. Comprehensive Examination.

Master of Science in Music Education

RALPH GLEN ANDERSON, B.S., *Hailey*
Major in Music Education. A *Symphonic Band Arrangement*:—"Harmonies DuSoir Op. 72 No. 1 and Clair DeLune Op. 72 No. 2 Organ Compositions by Sigfrid Karg-Elert."

HENRY IVEY BRUBECK, B.M., *Santa Barbara, California*
Major in Music Education. *Composition*: "A Suite for Symphony Orchestra Based on Folk Songs of Santa Barbara County."

HERBERT DUTTON DUNLAP, B.A. in Ed., *Vancouver, Washington*
Major in Music Education. *Professional Paper*: "An Adequate Music Program for the Small Public Junior College."

JESSE S. FOSTER, B.A., *Portland, Oregon*
Major in Music Education. *Professional Paper*: "The Assembly Sing in the Secondary School: Educational Values, Procedures, and Materials."

SISTER M. REGINA O'CONNELL, B.A.(Ed.), *Cottonwood*
Major in Music Education. Minor in Education. Comprehensive Examination.

KENNETH HARVEY POPE, A.B., *Moscow*
Major in Music Education. Minor in Education. Comprehensive Examination.

ELWYN STUART SCHWARTZ, A.B., *Fresno, California*
Major in Music Education. *Thesis*: "Audio-Visual Aids in Music Education."

JOHN CHANNING SHEELEY, B.S.(Mus.Ed.), *Lewiston*
Major in Music Education. A *Symphonic Band Arrangement*: "Rachmaninoff's Piano Concerto Number Two, Opus 18 (First Movement)"

Master of Science in Business Education

ELMER EDGAR BITTLESTON, A.B., *Nampa*
Major in Busines Education. Minor in Education. Comprehensive Examination.

Professional Degrees

Civil Engineer

JAMES CECIL DALTON, B.S.(C.E.), M.S.(C.E.), *Beaverton, Oregon*
Major in Civil Engineering. *Thesis*: "Maintenance of County and Rural Roads."

CARL CLIFFORD HALLVIK, B.S.(C.E.), *Boise*
Major in Civil Engineering. *Thesis*: "The Sufficiency Status of the Idaho Federal Aid Primary System, December 1950."

Mechanical Engineer

ROBERT M. TITUS, B.S.(M.E.), *Moscow*
Major in Mechanical Engineering. *Thesis*: "Design of a Worm Gear Test Unit."

Commissions

COMMISSIONED AS SECOND LIEUTENANTS IN THE REGULAR COMPONENT, UNITED STATES ARMY

JOHN R. BLACK

ROY S. HOOPER, JR.

WILLIAM W. GRAY

COMMISSIONED AS SECOND LIEUTENANTS IN THE UNITED STATES ARMY RESERVE

RICHARD T. ATWOOD

JOHN M. LESHER

HOWARD P. BERGER

ROBERT D. MACDONALD

FREDRICK D. BLISS

BILLY P. MULLINS

LEONARD A. BRACKEBUSCH

EDGAR F. NEAL

EARL N. DAWSON, JR.

JAMES C. PASSMORE

DONALD J. IVERSON

LAWERENCE M. RASMUSSEN

LAURANCE D. JOHNSON

WAYMAN F. SINDEN

RICHARD E. KENFIELD

GORDON C. SMITH

KENT G. KOHRING

JAMES E. WRIGHT

JAMES L. LANE

JOHN G. ZWIENER

TO BE COMMISSIONED SECOND LIEUTENANTS IN THE UNITED STATES ARMY RESERVE UPON COMPLETION OF CAMP TRAINING

DOYLE HASKINS

KENT S. PAYNTER

MARTIN J. OURADA

JOHN D. SULLIVAN

COMMISSIONED AS ENSIGNS IN THE UNITED STATES NAVY

JAMES G. BAKER

JOHN P. MCQUILLIN

WILLIAM G. BRIGGS

EARL R. NEWELL

RICHARD B. DAVEY

RICHARD E. NICKESON

ROBERT R. FOSSUM

DANIEL PIRAINO

WILLIAM H. FUNKHOUSE

JUSTIN L. QUACKENBUSH

WENDELL L. GLADISH

GRANT N. RADFORD

GEORGE W. GUST

JOHN D. ROSENTHAL

GEORGE T. HAUGLAND

ROBERT G. SMITH

HENRY E. HOLT

ROBERT C. WADDEL

JACOB D. KERTZ

DONALD S. WILLS

DURMOND K. M. LOOK

COMMISSIONED AS SECOND LIEUTENANTS IN THE
UNITED STATES MARINE CORPS

ROGER B. ALLEN

JAMES H. LANDERS

JOHN W. CLAYBORNE

MAURICE B. LYNCH

GEORGE N. HILL

HERBERT A. YOUNG

JAMES R. LAGRONE

COMMISSIONED AS ENSIGN IN THE UNITED
STATES NAVAL RESERVE

GEORGE REY

TO BE COMMISSIONED AS ENSIGNS IN THE UNITED STATES
NAVY UPON COMPLETION OF SUMMER TRAINING

GEORGE W. MUELLER

JERRY R. ROCKWOOD

TO BE COMMISSIONED AS SECOND LIEUTENANT IN THE UNITED STATES
MARINE CORPS UPON COMPLETION OF SUMMER TRAINING

HAROLD E. COTTRELL

COMMISSIONED AS SECOND LIEUTENANTS IN THE
UNITED STATES AIR FORCE RESERVE

LESLIE W. ABBOTT

ROBERT GEISLER, JR.

MARVEL R. AINSWORTH

GEORGE G. GOBLE

VERNON A. BAHR

JAY D. GREEN

PRESTON G. BAIR

JAMES E. HARDIE

BOYD C. BARKER

DONALD P. HARPER

RUSSELL O. BAUM

JOHN H. HASBROUCK

DEAN H. BLAIR

CECIL W. HATHAWAY

RAYMOND L. BOEHM

HOWARD R. HEINER

WILLIAM E. BOLTON, JR.

JACK D. HOAG

PETER A. BREYSSE

NEAL A. HUMISTON

BRYAN W. BRUNZELL, JR.

ALLEN G. INGBRITSEN

WINSTON H. CHURCHILL

HARRY F. ISAMAN, JR.

EARLE E. COSTELLO

ARNOLD A. JOHNSON

CLAYTON S. DOUGLAS

THOMAS H. JOHNSON

JAMES K. DUNHAM

KEITH R. JUDD

GENE D. EASTON

JEROME K. KINSEY

THOMAS L. EDMARK

WAYNE R. LEACH

FRANK J. FAVOR

EDMUND E. LOZIER

JAMES D. McKEVITT

HOWARD A. MAY

JOHN F. MILLER

GILBERT A. NICHOLSON

DON C. PARKER

FRANK A. PENTZER

WILLIAM F. PERRY

JACK D. PETERSON

JAMES I. POWERS

SAFETY E. REYNOLDS

JOHN R. SPINK

CARL W. STAMM

JAY C. STEPHENS

DWIGHT SUTTON

DUANE H. TAYLOR

CHARLES E. TROWERIDGE

WILLIAM G. WALKINGTON

FRANK L. WHITSEL

AWARDED CERTIFICATES OF ELIGIBILITY IN LIEU OF COMMISSIONS
AS SECOND LIEUTENANTS UNITED STATES AIR FORCE RESERVE
PENDING ATTAINMENT OF BACCALAUREATE DEGREE

VERN E. GASSER

WILLIAM V. MAYER

ALAN F. HUGGINS

GARY O. SESSIONS

RICHARD V. IORNS

Citation of Merit Upon Retirement

ELLA WOODS, *Home Economist*

Honorary Degrees

Doctor of Laws

WILLIAM E. LEE, *Washington, D. C.*

Doctor of Science

TITUS G. LECLAIR, *Chicago, Ill.*

Doctor of Literature

MRS. JOHN E. HAYES, *Twin Falls*

Special Awards to Graduating Seniors

AMERICAN LEGION AWARD — The American Legion, Dudley Loomis Post No. 6 of Moscow, annually presents three awards, one to each of the three branches of the Reserve Officer Training Corps at the university. The awards are given to the most outstanding senior student in each of the three divisions. A membership in the United States Naval Institute and a three-year subscription to Proceedings, which is the official publication of the institute, are presented to the NROTC student. The 1951 award goes to Jerry D. Rockwood, Iona. Awards consisting of a complete set of insignia are presented to the outstanding students in the other two branches. Laurence D. Johnson, Moscow, will receive the award for Army ROTC, and Vernon Bahr, Weiser, will receive the Air Force ROTC award.

AMERICAN SOCIETY OF CIVIL ENGINEERS AWARD—The Spokane Section of the American Society of Civil Engineers awards a junior membership in the organization to the senior graduating in civil engineering who has written the best paper on an engineering project. The winner of this award for 1951 is Thomas J. Mendiola, Mountain Home.

ARMED FORCES COMMUNICATIONS ASSOCIATION—Three medals have been awarded to the University of Idaho for presentation to the outstanding ROTC students taking

military training with communications and electronics as a major course by the Armed Forces Communication Association of Washington, D. C. To be presented to members of the Navy and Air Forces ROTC, a gold medal is awarded to a senior, silver to a junior and bronze to a sophomore. The senior award for 1951 goes to Cecil William Hathaway of Coeur d'Alene.

BOYER PLAQUE—Mrs. Katy Rae Boyer has provided a plaque on which is engraved the name of the senior woman graduating in physical education with the highest four-year scholastic average. Pamela Gaut, Lewiston, is the winner of this honor for 1951.

BUREAU OF NATIONAL AFFAIRS—This private organization, publisher of the Magazine Law Week, makes an award of a year's subscription to Law Week to the senior in the College of Law who has made the most progress in his final year of law study. The winner this year is Robert Brisco Hodge, Boise.

FULBRIGHT SCHOLARSHIPS—Each year several University of Idaho students are nominated for Fulbright scholarship to foreign countries. The nominations are presented to President Truman's Board for Foreign Scholarships. News of scholarship presentations is made by the U.S. Department of State. Two such awards have been made in 1951 thus far. Beverly Anne Schupfer, Kendrick, has received an award for study in Austria during the 1951-52 year. Another award went to Charles W. Abshire, Castleford, who declined to accept a fellowship at Duke university.

CHRIS HAGAN AWARD—In 1947 Chris A. Hagan of Moscow created a fund from which awards are made to the outstanding seniors in the College of Agriculture and the department of home economics. Marilyn Peterson, Payette, will be presented with a silver bowl, and Vernon Bahr, Weiser, will receive a wrist watch.

ANNA H. HAYES MEMORIAL AWARD—The Idaho Congress of Parents and Teachers each year awards the interest from the Anna H. Hayes Memorial Fund to a worthy student in the education field. The award this year, in the sum of \$25 goes to Pamela Gaut, Lewiston.

IDAHO DAUGHTERS OF THE AMERICAN REVOLUTION—A plaque has been presented by the Idaho Daughters of the American Revolution for an annual Naval Reserve Officer Training Corps award. The name of the graduating midshipman who by his leadership and officer-like qualities has contributed most to the advancement of the University of Idaho and the NROTC program at the university is inscribed on this plaque. John W. Clayborne, Jr., McGraws, W. Va., received this honor in 1951.

IDAHO SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS—For the first time in 1951, a key is being presented to the outstanding senior majoring in accounting, and his name is to be inscribed on a plaque by the Idaho Society of Certified Public Accountants. Winner of the honor for 1951 is Roger George Erickson, Moscow.

PHI ALPHA DELTA AWARD—The national professional legal fraternity engraves each year on the William E. Borah memorial plaque the name of the senior law student making the highest scholastic average during the first five semesters of the law course. This year the honor goes to John Roy Durtschi, Driggs.

SIGMA DELTA CHI CERTIFICATE—The national professional journalism fraternity designates a graduating student to receive a certificate of merit for outstanding achievement in the field of journalism. The senior so honored in 1951 is Allen R. Derr, Clark Fork.

SIGMA DELTA CHI SCHOLARSHIP AWARD—This award, which consists of a certificate of merit, is made to those men or women graduates in journalism who stand in the upper ten percent scholastically of their graduating class. The entire college record in all subjects is considered. The winner of this award for 1951 is John E. Martin, Burke.

SONS OF THE AMERICAN REVOLUTION ESSAY CONTEST—In 1923 the Idaho Chapter of the Sons of the American Revolution presented the University with a bust of Washington designed by Bianchini. This award is held for a year by the group house or hall whose representative presented the best thesis in classes in American History. The students winning first, second and third places receive medals and have their names inscribed on the pedestal of the bust. Seniors winning places in the contest this year were: Milton Ivan Blume, Emmett, first prize; Janice Marie McCormick, Caldwell, second; Robert Virgil Gorsuch, Kamiah, third.

STODDARD - WENDLE MOTOR COMPANY—Annually for the next five years a wrist watch will be presented to the senior in the Navy ROTC program who has shown the most improvement during his four years in the program. In addition, the student's

name will be inscribed on a plaque. Winner of the honor for 1951 is James LaGrone of Highland Park, Mich.

ARTHUR L. SWIM AWARD—This award is made to the graduating senior who has demonstrated creative scholarship and attainment throughout the breadth of his college career. The award is a silver bowl presented by H. Dudley Swim in honor of his father, a former regent of the University. The winner for 1951 is Betty Lorraine Peters of Caldwell.

XI SIGMA PI AWARD—The outstanding senior in the School of Forestry is presented an award of the initial membership fee in the Society of American Foresters and a year's subscription to the Journal of Forestry. In addition, his name is engraved on a plaque which is on display in the Forestry Building. Selection for this award is made on the basis of leadership, professional attainment, personality, and promise of future achievement in professional work. Howard Roy Heiner, Lewiston, was selected to receive these honors this year.

Gifts

Many gifts are made each year to the University of Idaho to encourage scholarship, assist deserving students, finance research and provide for a greater University. It is with pleasure that the University gives recognition here to the generous donors of gifts received since the last commencement.

New Gifts

ALBRIGHT COLLEGE—Miss Josephine E. Raepfel, librarian of Albright College in Reading, Pa., found a photograph of the University of Idaho's original Administration Building tucked in a book which was among some gifts to the Albright library. She presented the picture to the University of Idaho.

ASBESTOS SUPPLY COMPANY, SPOKANE—A gift of \$150 was made to the University of Idaho department of art and architecture by the Asbestos Supply Company of Spokane.

ASSOCIATION OF THE UNITED STATES ARMY—The Infantry ROTC medal is presented to the Infantry ROTC graduate who has been outstanding in scholarship, leadership, attitude and achievement by the Association of the U.S. Army.

EDWIN T. AND HERMAN F. BEYER—All rights, title and interest, except authorship, in and to the original song "Fighting Vandals" was presented to the University of Idaho by the authors, Edwin T. and Herman F. Beyer of Long Beach, Calif.

BOISE PAN-HELLENIC ASSOCIATION—A scholarship of \$100 was presented to the university by the Boise Pan-Hellenic Association. The 1950-51 award went to Barbara Pennington of Boise.

BRIGGS AND STRATTON CORPORATION—A cut-away model of a Briggs and Stratton single-cylinder engine for use in internal combustion engine courses was presented to the mechanical engineering department by the Briggs and Stratton Corporation of Milwaukee, Wis.

HENRY BUCHER AND COMPANY, CLEVELAND, OHIO—A series of posters on employee morale building, valued at \$347.25, were presented to the mechanical engineering department by Henry Bucher and Company.

BUNKER HILL AND SULLIVAN MINING AND CONCENTRATING COMPANY, KELLOGG, IDAHO—This organization presented to the university an electron microscope for the study of objects too small to be seen with a regular microscope. The new instrument is expected to aid greatly scientific research at the university.

CALUMET STEEL CASTING CORPORATION, HAMMOND, IND.—A squeezer-type molding machine was presented to the mechanical engineering department by the Calumet Steel Casting Corporation.

MRS. JEROME J. DAY—The entire library of her husband, Jerome J. Day, former University of Idaho regent, is to be presented to the university by Mrs. Jerome J. Day. The gift will serve as a memorial and will be preserved intact.

DIXIE ROWCROP THINNER AND WEEDER COMPANY—A sugar beet and vegetable thinner machine that has been on loan to the department of agricultural engineering since 1946 was presented as a gift to the department by the Dixie Rowcrop Thinner and Weeder Company.

RALPH EDMONDS COLLECTION—The Ralph Edmonds collection of North American big game animal heads was presented to the university for use by the School of Forestry.

ENGINEERING EXPERIMENT STATION WELDING RESEARCH—Nine companies aided the university department of mechanical engineering and the experiment station in a welding research project by contributing welding rods and materials to be welded. The companies were Arcos Corporation, Philadelphia; Allegheny-Ludlem Steel Corporation, Brackenridge, Penn.; Armco Steel Corporation, Middletown, Ohio; Carnegie-Illinois Steel Corporation, Pittsburgh; Champion Rivet Company, Cleveland; International Nickel Company, New York; Lincoln Electric Company, Cleveland; Republic Steel Corporation, Cleveland, and the McKay Company, Pittsburgh.

ELKS LODGE OF MOSCOW—The Elks Lodge of Moscow presented a gift of \$75 to be used for student loans.

ENCYCLOPAEDIA BRITANNICA FILM SCHOLARSHIP SELECTION BOARD—Three scholarships of \$32 each to cover summer school fees in 1951 to be awarded to students with primary interest in audio-visual training were presented to the university by the Encyclopaedia Britannica Film Scholarship Selection board.

FIRST TRUST AND SAVINGS BANK OF MOSCOW—A second continuing scholarship of \$250 has been presented to the University of Idaho by C. I. Canfield, president of the First Trust and Savings Bank of Moscow. A first scholarship of \$250 was started by the bank in 1947. Following Canfield's suggestion, one scholarship will go to a freshman man and one to a freshman woman.

JOHN GARRET—A shorthorn steer calf was presented to the department of animal husbandry by John Garret of Horseshoe Bend.

GRAVER TANK AND MANUFACTURING COMPANY—One Graver automatic softener control unit (used) and one program controller (new) for use in controlling water treatment plants, and several other pieces of equipment for instrumentation and research work were presented to the chemical engineering department by the Graver Tank and Manufacturing Company of East Chicago, Ind.

COLONEL CHARLES H. HART—A gold medal for presentation to the outstanding student member of Pershing Rifles was given to the university by Colonel Charles H. Hart, retired. Pershing Rifles is the basic military classes honorary.

IRVIN HARROP—Two Duroc boars were presented for use in the university herd by Irvin Harrop of Lorenzo, Idaho.

COLONEL A. H. HOOKER—A Hereford bull was presented to the university department of animal husbandry by Colonel A. H. Hooker of McKenna, Wash.

JULIUS HYMAN AND COMPANY AND SHELL CHEMICAL CORPORATION—A research grant of \$1,500 was made to the department of entomology for study in control of clover and alfalfa weevil by the Julius Hyman Company and Shell Chemical Corporation.

IDAHO CHAPTER, NATIONAL SOCIETY FOR CRIPPLED CHILDREN AND ADULTS—This organization provided a faculty member, hall proctor, funds and other aid in conducting the Child Guidance Clinic during the 1950 University of Idaho summer school.

IDAHO CO-OPERATIVE COUNCIL—Copies of books entitled "Co-operative Corporate Association Law, 1950" and "Digest of Selected Cases and Rulings on Federal Income Taxation of Farmer Cooperatives" were presented to the university of Idaho Cooperative Council for use by the College of Law.

IDAHO FEDERATION OF WOMEN'S CLUBS—A \$750 scholarship, with preference to a woman student from Western Europe, was presented to the university by the Idaho Federation of Women's clubs.

IDAHO FIFTH DISTRICT EDUCATIONAL ASSOCIATION—A direct scholarship of \$100 was made to Betty Thompson of Montpelier by the Idaho Fifth District Educational Association.

IDAHO POWER COMPANY—A gift of \$600 was made by the Idaho Power Company to defray expenses in connection with the series of 4-H Club luncheons and leader training meetings held during the spring of 1951.

IDAHO SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS—A key to be awarded to the outstanding senior majoring in accounting and a plaque to be engraved with the student's name was presented to the university by the Idaho Society of Certified Public Accountants.

IDAHO STATE FEDERATION OF WOMEN'S CLUBS—A direct scholarship award of \$375 was presented to Tomas Tomasson of Iceland by the Idaho State Federation of Women's Clubs.

DEAN EMERITUS E. J. IDDINGS—A saddle was presented to the university for use by the department of animal husbandry by Dean Emeritus E. J. Iddings, Moscow. Two engineering volumes of historical significance were presented to the college of engineering.

EARL J. LARRISON—Fifty dollars was presented to the department of biological sciences by Earl J. Larrison, University of Idaho assistant professor of zoology, to assist in the procurement of mammal storage cases.

JAMES F. LINCOLN ARC WELDING COMPANY—This foundation has provided and maintains a welding library situated in the College of Engineering reading room and consisting of books and periodicals in the field of arc welding. Additional books and magazines have been received for this library during the past year.

LINDE AIR PRODUCTS COMPANY, SEATTLE—Acetylene welding equipment, consisting of ten welding stations, was presented to the university's department of agricultural engineering by the Linde Air Products Company of Seattle.

RICHARD MATSON AND GILBERT PETERSON—Hereford steer calves were presented to the university department of animal husbandry by Richard Matson and Gilbert Peterson of Yakima, Wash.

CHARLES MARSHALL—A single-row, tractor-drawn, level-bed potato digger was presented for use at the Aberdeen Branch Experiment Station by Charles Marshall of Jerome.

JOHN MONTGOMERY—A violin belonging to the late Mrs. John Montgomery was presented to the university music department by her husband, John Montgomery of Moscow.

MOSCOW KIWANIS CLUB—A gift of \$35 was presented to the university for use in the Child Guidance clinic by the Moscow Kiwanis Club.

MOSCOW LIONS CLUB—A gift of \$250, in five scholarships of \$50 each, was presented to the University of Idaho by the Moscow Lions Club. Students attending the university on these scholarships during the 1950-51 year included Jane Perry, Moscow; Rex Eikum, Genesee; Robert Ware, Kendrick; Alvin Curtis, Deary, and Joanne Osterlund, Potlatch.

MOSCOW PARENT-TEACHERS ASSOCIATION—A scholarship of \$20 to be presented to an outstanding student in dramatics was given to the university by the Moscow Parent-Teachers Association. The 1950-51 award went to Marie Hargis, Ashton.

EMMET MULHALL—A Shorthorn steer calf was presented to the department of animal husbandry by Emmet Mulhall of Grangeville.

NORTHWEST INSURANCE COMPANY—A gift of \$300 was presented to the University of Idaho college of engineering for use in connection with the new Engineering building by the Northwest Insurance Company of Spokane.

J. J. O'CONNELL—Fifty dollars was presented to the University of Idaho Naval ROTC unit to purchase awards by J. J. O'Connell of Potlatch. Three plaques have been purchased on which each year is to be inscribed the names of freshman, sophomore and junior Navy ROTC students who have demonstrated the highest excellence in their respective naval science courses.

PRESSER FOUNDATION, PHILADELPHIA, PA.—A \$250 scholarship in music was presented to the University of Idaho by the Presser Foundation of Philadelphia. The scholarship is to go to a senior music major. The 1950-51 award went to Barbara Clauser, Payette.

PUBLIC HEALTH SERVICE—A grant of \$2,268 was presented to the University of Idaho by the Public Health Service, through the National Institutes of Health in Bethesda, Md., for research in potato waste products by the chemical engineering department.

DR. C. J. PUGH—A direct scholarship of \$200 was awarded to Donald E. Prisby, Laramie, Wyoming, by Dr. C. J. Pugh, scholarship commissioner for Kappa Sigma fraternity. Prisby is a junior member of the university chapter of Kappa Sigma.

GORDON C. RECKORD—A gift of \$200 was presented to the University of Idaho Borah foundation by Gordon C. Reckord, executive secretary of the Economic Cooperation

Administration. Mr. Reckord was one of the principle speakers during the 1951 Borah Outlawry of War conference.

RESEARCH CORPORATION OF NEW YORK—A grant of \$4,300 was presented in two divisions (1) \$2,000 for continuation of the aldol condensation studies of Dr. Arnold T. Nielsen, and (2) \$2,300 for research work on complex inorganic salts by Dr. James T. Murphy, by the Research Corporation of New York through the Frederick Gardner Cottrell Grants.

D. B. RESER—A Shorthorn steer calf was presented to the university department of animal husbandry by D. B. Reser, Walla Walla, Wash.

DR. W. F. ROBERTSON—Several medical volumes were presented to the University of Idaho for use by pre-medical students. The books were the property of the late Dr. W. F. Robertson of Orofino and were presented to the university through Dr. Fred Nolan of Boise.

F. F. SADLER—Monthly gifts of \$10 or more are being made to the university for the establishment of a student emergency fund by F. F. Sadler of Spokane.

SEARS-ROEBUCK FOUNDATION—Under a new program of the Sears-Roebuck Foundation, the organization has presented a scholarship of \$200 for a freshman woman in home economics.

SIGMA TAU FRATERNITY—A gift of approximately \$200 for the purchase of a directory for the new engineering building has been made by Idaho Rho Chapter of Sigma Tau Fraternity, national engineering honorary.

SOCIETY OF AMERICAN MILITARY ENGINEERS—A medal to be presented to the outstanding junior class engineer, based on academic achievement, military proficiency and leadership, was given by the Society of American Military Engineers.

ROBERT GORDON SPROUL—A scholarship of \$250 to go to a student attending the University of Idaho, with preference to a student from California, was presented by Dr. Robert Gordon Sproul, president of the University of California. The money had been given Dr. Sproul as an honorarium for a speaking engagement at the University of Idaho.

STODDARD - WENDLE MOTOR COMPANY—A gift of five wrist watches and a plaque were made to the university NROTC battalion by Stoddard-Wendle Motor company of Spokane. The watches are to be presented, one each year, to the member of University of Idaho Navy ROTC who shows the most improvement during his four years at the university.

SULLIVAN MINING COMPANY—A supply of zinc and cadmium anodes was presented to the chemical engineering department by the Sullivan Mining Company of Kellogg.

TITLE INSURANCE COMPANY OF BOISE—A volume on land, titled, "Transfers Upon Death," was presented to the university College of Law by the Title Insurance Company of Boise.

UNION PACIFIC RAILROAD COMPANY—A gift of \$810 was presented to the university for the continuation of the Union Pacific Potato Fellowship for research on potato diseases.

UNITED STATES DEPARTMENT OF AGRICULTURE—A dockage machine, for use by the agronomy department, was presented to the university by the Production and Marketing Administration, Grain Branch, U. S. Department of Agriculture.

UNIVERSITY OF IDAHO ALUMNI FUND—More than \$3,600 has been contributed thus far during a two-month period to the University of Idaho Alumni fund by alumni and friends.

WAR ORPHANS SCHOLARSHIP, INC.—Six hundred dollars, awarded in two scholarships of \$300 each, were presented to Arthur L. Anderson, Skykomish, Wash., and Boyd R. Lofgren, Spokane, by the War Orphans Scholarships, Inc.

WESTERN ELECTRIC COMPANY—A number of hearing-aid amplifiers, repeating coils, retardation coils, contractors, vacuum tubes and other equipment valued at approximately \$350 has been presented to the electrical engineering department throughout the year by the Western Electric Company of New York.

WESTINGHOUSE ELECTRIC CORPORATION—A type PY-5, single-phase wattmeter was presented to the electrical engineering department by the Westinghouse Electric Corporation of Pittsburgh, Pa.

WISCONSIN MOTOR CORPORATION—A standard model AEN engine complete with variable governor control set at 2400 rpm high speed was presented to the mechanical engineering department by the Wisconsin Motor Corporation of Milwaukee, Wis.

Continuing Scholarships, Awards, Gifts, Fellowships, and Loan Funds

SCHOLARSHIPS

Davis Brothers
 Farm Electrification Committee
 4-H Award
 First Trust & Savings Bank, Moscow
 Carol Howe Foster
 Idaho Cattlemen's Association
 Idaho Dairymen's Association
 Idaho Potato Growers, Inc.
 Idaho Daily Statesman
 Kellogg Foundation
 John R. Korter
 Ladies Auxiliary of Idaho Wool
 Growers Association
 Moscow Fine Arts Club
 Moscow Lions Club
 Potlatch Forests, Inc.
 Randall Brothers
 Carl Raymond Gray
 Upper Snake River Dairymen's
 Association
 Utah Oil Refining Company
 The Sears-Roebuck Foundation
 Howard and Linnie Shriver
 Pepsi-Cola Company
 Washington Water Power Company
 Standard Oil Company of California
 Idaho Grand Chapter, Order of
 Eastern Star
 Coeur d'Alene Press
 News-Review Publishing Company
 Statesman Printing Company
 Wallace Press-Times

SPECIAL AWARDS

Alpha Zeta Award
 Alumni Scholarship Cup
 American Institute of Chemical
 Engineers
 American Society of Civil Engineers
 Philo Sherman Bennett Prize
 Katie Rae Boyer Plaque
 Beulah Garrard Dale Scholarship Cup
 Delta Sigma Rho Debate Cup
 Dingle Award
 Mary E. Forney Scholarship Cup
 Maude Cosho Houston Plaque
 Chris A. Hagan Trophies
 Idahonian Athletic Merit Award
 Interfraternity Scholarship Plaque
 Idaho Press Women
 Idaho Daughters of the American
 Revolution Plaque
 Mortar Board Plaque
 Phi Alpha Delta Award
 Phi Chi Theta Award
 Phi Upsilon Omicron Award
 School of Business Chamber of
 Commerce Boxing Plaque
 Sigma Delta Chi Certificates
 Sigma Tau Award
 Sons of the American Revolution
 Trophy
 Arthur L. Swim Award
 Roland White Basketball Award
 Xi Sigma Pi Award

RESEARCH

Armour & Company (swine progeny
 testing)
 Farm Electrification Program
 Idaho Power Company
 Utah Power and Light Company
 Washington Water Power Company
 Idaho Bureau of Mines and Geology
 (two fellowships)
 Idaho Cancer Society (Damon Runyon
 Fund)
 Idaho Power Company Fellowship
 (farm power uses)
 McFarland Livestock Improvement
 Fund
 Potlatch Fellowship
 School of Mines
 State Chamber of Commerce
 (state income structure)
 Idaho Advertising Commission
 Union Pacific Potato Fellowship

SPECIAL GIFTS

Chicago, Milwaukee & St. Paul Railroad
 (4-H Club Program)
 Potlatch Forests, Inc.

LOAN FUNDS

Alumni
 American Banker's Association
 Associated Women Students
 Dr. Joseph W. Barton
 Civic Organizations
 Jerome J. Day
 Vernon P. Fawcett Memorial
 Forestry School Alumni Memorial
 Knights Templar
 Francis Baker Laney Memorial
 A. E. Larson
 State Club Women
 W. L. Stephens Memorial
 Student Organizations
 Surgical (Dr. E. R. Edson)
 F. M. Rothrock
 Richard Garrigus White Memorial

SIGNIFICANCE OF ACADEMIC COSTUMES is determined especially by the sleeves and hoods. DOCTORS wear the round, bell sleeve; the gown is faced down the front and barred on the sleeves with black velvet or velvet of color indicating the degree; the doctor's hood is large. The doctor may, if he so choose, wear the gold tassel on his cap. MASTERS wear the long, closed sleeve, with a slit near the upper part for the arm; the master's hood is of more moderate size. BACHELORS wear the long, pointed sleeve; the hood is small. UNDERGRADUATES wear the round or pointed sleeve, and wear no hood. Hoods are lined with the colors of the institutions granting the degree, or with which the wearer is connected, and are trimmed with velvet of the color distinctive of the degree — for example, arts and letters, white; philosophy, blue; science, gold-yellow; music, pink; agriculture, maize; engineering, orange; forestry, russet; pedagogy, light blue; commerce and accounting, drab.