# UNIVERSITY OF IDAHO Sixty-Fifth Commencement

Memorial Gymnasium Sunday, June 5, 1960

Degrees Conferred



## Order of Exercises

Processional—Grand March from "Aida" Verdi
THE UNIVERSITY SYMPHONY ORCHESTRA
LEROY BAUER, Conductor
The Audience Remains Seated While the Academic Group Enters
Invocation REV. HAROLD D. FLEHARTY St. Mark's Episcopal Church Moscow, Idaho
Chorale-Fugue, "All Glory be to God on High" Bach THE UNIVERSITY SYMPHONY ORCHESTRA
Address
O Savior, Throw the Heavens Wide (Motet) Johannes Brahms THE VANDALEERS
GLEN R. LOCKERY, Conductor
Conferring of Degrees
Presentation of Awards
Here We Have Idaho
Benediction REV. HAROLD D. FLEHARTY
Recessional—Coronation March from "The Prophet" Meyerbeer The University Symphony Orchestra
The Audience Stands While the Academic Group Retires
ADDITIONAL EVENTS TODAY
12:30 P.M. Cafeteria Luncheon for Parents and Visitors—Student Union Building.
12:30 P.M. Luncheon for Regents and Their Official Guests—Student Union Building.
1:00 to 3:30 P.M. Library Exhibit—University Library.

#### FIRST AID STATION IN GYMNASIUM

A first aid station with a nurse in attendance is located in Room 201 in the east end of the gymnasium.

# Candidates For Degrees Bachelor Degrees

#### COLLEGE OF LETTERS AND SCIENCE

#### Bachelor of Arts

ELAINE INGRID HIEBER BAXTER, Moscow With High Honors ROBERT WILLIAM BEAMER, Boise ANN MARIE BECKER, Genesee
With High Honors AUSTIN MARIUS BERGIN, Bellevue GEORGE ARNOLD BERTONNEAU, Altadena, Calif. JON KEITH BODAHL, Kuna ROBERT WILLIAM BOLSTER, Boston, Mass. MARY MARGARET BROWN CARR, Emmett JOHN EDMUND CARTER, Moscow DWIGHT ALLAN CHAPIN, Lewiston GERALD STEFFENS COWDEN, Blackfoot MARILYN SUE MOOERS DAME, Richland, Wash. MARILYN JANE DUROSE, Bonners Ferry FRANK THOMAS ELAM, Boise DONALD ERNEST ERICKSON, Moscow JAMES CONRAD FLANIGAN, Emmett SUE FRANCES GEORGE, Boise RONALD SIDNEY GOODWIN, Sandpoint With High Honors ANNABELLE DOREEN DEAL GRABAN, Nampa Frank Ludwig Grossmann, Boise CHARLES BENJAMIN HERVEY, Boise SHIRLEY JAMES HINTZE, Mackay ELISABETH ANN McKee Horning, Calgary, Alberta, Canada

MARY ISABEL HOUGHTELIN, Twin Falls

HAROLD FREDRICK KENNEDY, Mountain Home

DIANNE JEAN KENAGA, Pocatello

WAYNE LEROY KIDWELL, Boise

STEPHEN BERRY KIMBLE, Moscow

DONALD CARL BALDRIDGE, Payette

JOANNE LORENA LITSCHER KLEINKOPF, Moscow LARRY DALE LABOLLE, Deary ROBERT HERMAN LIVINGSTON, Twin Falls NEELA McCowan, Moscow EUGENE LESLIE McCoy, Emmett DUANE VAN MCKINLEY, Moscow MICHAEL EDWARD McNichols, Orofino WILLIAM BARRETT MERRILL, Spokane, Wash. WILLIAM BENFIELD MOORE, Moscow With High Honors CATHERINE CLAIRE O'CONNOR, Lewiston KATHLEEN MAY OSBORNE, Coeur d'Alene With High Honors BART ALISTER PAFF, Spokane, Wash. JANICE DARLENE PALMER, Caldwell DWIGHT HILLIARD PATTON, Craigmont ROBERT ANTHONY PERRIN, JR., Stillwater, Me. JO ANN REESE RANDOLPH, Twin Falls BERNARD FRANKLIN RASH, Statchins, Nev. PETER JOHN REED, Surrey, England With High Honors CHARLES GERARD RETTINGER, Deary MARILYN JEAN ROBINSON, Rupert ENRIQUETA SALINAS, La Paz, Boliva, S.A. KAY FRANCES SALYER, Pinehurst With High Honors IRENE MARY SCOTT, Burley MICHAEL DAVID HENRY SEEBER, Kellogg FREDRICK WILLIAM SEIFERT, St. Maries MARY VIOLA SIMONTON SLAUGHTER, Kimberly LYNN THOMAS SNIDER, Orofino ANN AGNES STEVENS, Aberdeen SANDRA JOAN SUMMERFIELD, Moscow

With High Honors

CHARLES WILLIAM THOMAS, Idaho Falls

DAVID BRILL THOMPSON, Pullman, Wash.

DENNIS L. THOMPSON, Weston

KAREL TOPINKA, Halfway, Ore.

ANNE LOUISE KIRKWOOD TRAIL, Moscow
With High Honors

STEVEN NEGLEY VAN HORNE, Nampa

POLLY ANNA WALKER, Moscow

NEIL ORIN WALTER, Coeur d'Alene
JOAN WARD, Boise
ARTHUR HARRY WARNKE, Lewiston
JOHN MADSEN WOOD, Rigby
STILLMAN WAYNE WOOD, Driggs
SANDRA LEE WRIGHT, Salt Lake City, Utah
ELMER JOSEPH YUSCYK, Middleport, Pa.

#### Bachelor of Science

HAZEL MAE VANCIL ALDRICH, Moscow BERT LEWIS ALLEN, Fair Oaks, Calif.

GEORGE ALLEN BENEDICT, Moscow

KARL CLAUDE BITTENBENDER, Arlington, Va. With High Honors
EDWARD LOUIS BOAS, Moscow

PATRICIA KAY BOZARTH, Culdesac With High Honors JOHN WILBERT BRANDSBERG, Moscow

GARTH WILLIAM BROWN, Twin Falls

ERIC JEROME CARLSON, Wardner
With High Honors

JAMES ROGER CHRISTENSEN, Kendrick
With High Honors

JOHN ESTEN FREEMAN, Boise

VERNON BERNARD FROST, Payette

JERRY WOOD GIRARD, Moscow

CECIL ALFRED HEICK, Moscow
With High Honors
CLARENCE SOLOMON HOMI, Mullan

FRANK RAY HUNTER, Moscow

DAVID ALBERT JOHNS, Moscow

JIMMY DELLOYD KEMPTON, San Francisco, Calif.

ROBERT FRANCIS KEOUGH, Pullman, Wash.

RICHARD WILLIAM LEWIS, Moscow With High Honors

CAROLE ARLENE LIPSCOMB, Hailey

RALPH JAMES LONGFELLOW, Moscow

JACK WILLIAM MACKI, Mullan With High Honors LEWIS CLAIR MEEKS, Salmon

JAMES MONTGOMERY MINAS, Boise

CAROLYN ANNE DEMPSEY MITCHELL, Moscow With High Honors

DAVID FRANKLIN NASH, Spokane, Wash.

LEWIS WARREN ORING, Greenbelt, Md.

CAROL JUNE PEDERSON, Coeur d'Alene

GEORGE EARL PYNCHON, Warsaw, Ind.

WILLIAM MAX RICH, Monterey Park, Calif.

PETER PAUL ROGALSKI, Moscow

WILLIAM SCOTTIE RUNYAN, Moscow With High Honors COLLEEN ANNE ST.CLAIR, Gooding

RICHARD LAVERNE STIEGEMEIER, Caldwell

ALAN DON SUDWEEKS, Idaho Falls

ALAN LAMAR TREGO, Blackfoot
With High Honors
EDITH LOUISE VANDENBARK, Twin Falls
With High Honors
CASSANDRA JOYCE WHITE, Lewiston

GERALDINE LEE WILLIAMS, Moscow

BARBARA JOAN WOHLETZ, Moscow

James Reuben Wright, Gooding With High Honors Frank Leopold Wyatt, Bristol, England

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#### Bachelor of Science in Pre-Medical Studies

Howard Hale Henson, Idaho Falls
CHRISTINE LOUISE MACKERT, St. Anthony
WILLIAM BARBEE MITCHELL, Moscow
BURTON M. ORME, St. Anthony
ROBERT LESTER PALMER, Council

ROBERT HAMILTON PIERCE, Lewiston
HOWARD THAD SCHOLES, Twin Falls
DEAN ELROY SORENSEN, San Jose, Calif.
DONALD MERTON TAYLOR, Moscow
ROBERT SHANKS TAYLOR, Olympia, Wash.

#### Bachelor of Science in Home Economics

BARBARA ELVIDA ANDERSON, Coeur d'Alene
CAROL RUTH HATTAN BENSON, Moscow
BEVERLY JEAN RITCH COOPER, Cos Cob, Conn.
GERALDINE ELIZABETH CRANK, Emmett
ROXIE JEAN DAUGHERTY, Shoshone
LINDA BETH EDWARDS, Dietrich
MARY LOUISE WALSER ENSLEY, Viola
LAURA JANE FIELDS, Walla Walla, Wash.
HAZEL JONES FULLER, Orofino
MARY LOU GRAVES, Gooding
EMMA CAROL HALL, Caldwell
With High Honors
DIANNA JUNE ELECTA HOALST, Hammett

ELLAMAE BROWN HOLES, Grangeville
ROSE LEE KIMPTON, Twin Falls
LAVONNA PRISCILLA EYRICH MORRISON, MOSCOW
BARBARA GAYLE OVARD RAWLINS, Idaho Falls
With High Honors
BARBARA JEAN SAMS, Boise
With High Honors
LOIS KATHLEEN SEUBERT, Ferdinand
NEOLA RUTH SMUTNY, Twin Falls
BARBARA JEAN TATUM SNOW, MOSCOW
LORRAINE JEAN TAYLOR, Boise
MARY KUNIKO TSUDAKA, Bonners Ferry
ANITA LOUISE KOSKELLA WILLIAMS, Donnelly

#### Bachelor of Music

GOLDEN ELWYN ARRINGTON, Twin Falls

#### Bachelor of Naval Science

DAVID WILLIAM DAMON, Menasha, Wisc.

LARRY MACK JEPPESEN, Nampa

Harvey Macy Waldron, Jr., Queens Village, With High Honors N.Y.
Paul Hirst Webb, Lewiston

#### Bachelor of Architecture

ARTHUR MARTIN ALBANESE, North Bergen, N.J.
FRANKLIN HOWARD ALLEN, Nampa
OWEN GERALD BRATVOLD, Emmett
DONALD LEE BRYANT, Boise
JESSE HUGH BURGESS, JR., Moscow
JOSEPH MARVEL HENSLEY, Coeur d'Alene
RONALD EDWARD HULBERT, Spokane, Wash.
WAH SANG KONG, Hong Kong
JACK KENNETH LEMLEY, Coeur d'Alene
GLEN PATRICK MCCURDY, Kellogg

BRUCE FREDERICK MAUSER, Moscow
FERMAN JOSEPH PASOLD, Wallace
ALLEN EUGENE QUINTIERI, Boise
GERALD RALPH SCHLATTER, Oakesdale, Wash.
ROGER MICHAEL SEITZ, St. Louis, Mo.
DONALD RAY SHELANGOSKIE, Twin Falls
RICHARD DUANE SHINN, Moscow
With High Honors
DONALD EARL SMITH, Spokane, Wash.
DONALD FRASER TRAIL, Storrs, Conn.

#### COLLEGE OF AGRICULTURE

#### Bachelor of Science in Agriculture

DONALD STEVE BATEMAN, New Plymouth ROBERT CLAUDE BERNARD, Hazelton JAMES WILLIAM BERRY, JR., Moscow JON WILLIS BRASSEY, Placerville RULON C. CHANDLER, Wendell WILLIAM HERMAN DELLOS, Picabo JOHN WAYNE ENSUNSA, Castleford JOHN LEROY FALEN, Jordon Valley, Ore. JOHN ROBERT GAISER, Moscow MAX A. GARDNER, New Plymouth HERBERT CHARLES GIBSON, Grace TEDFORD A. GILLETT, Declo RICHARD Jo GOOBY, Sandpoint ROBERT B. HAWKES, Hagerman MONTIE LEE HOWARD, Fairfield PAUL TAYLOR JACOBS, Council With High Honors DAVID EDWARD KUNKEL, Pocatello JAMES IRVEN LEVERS, Emmett ROLAND RYAN LODGE, Caldwell EUGENE RAYMOND LUNDEN, Cataldo

DEAN AUSTIN MOORE, Hansen GLEN DREW NELSON, St. Anthony JON POWELL NILSSON, Genesee FRANKLIN PAUL PARKS, Riceville, Tenn. KENNETH ARDELL PARKS, Fairfield, Wash. JOSE EDUARDO PENA, Quito, Ecuador MARSHALL LELAND PRITCHETT, Mackay FREDRICK IRVING PROSHOLD, Boise CLARENCE RALPH REED, Sandpoint ROBERT NEIL SAMPSON, Worley ROBERT LEE SCHULTZ, Colfax, Wash. JOHN ARTHUR SIMPSON, Kuna ROBERT EDWARD STEVENSON, Calgary, Alberta. Canada STEVEN DOUGLAS SYMMS, Caldwell DAVID GEORGE VAN HOUTEN, Twin Falls GENE CRAVEN WALKER, Kimberly LEWIS DEE WALKER, Peck LARRY HAROLD WHITBY, Carey GARY EARL WRIGHT, Worley

#### COLLEGE OF ENGINEERING

#### Bachelor of Science in Civil Engineering

Frank Lynn Benson, Boise
Richard Harding Brown, Boise
Harold James Cox, Caldwell
Gerald Clinton Herrigstad, Coeur d'Alene

ABDUL-Massih Kerio, Hassake, Syria, U.A.R.

GERALD LEE KIMZEY, Sandpoint
DANNY LEE KING, Nampa

ELDON DWIGHT KLEIN, Spokane, Wash.

VAN BARKER LARSON, Coeur d'Alene

CHARLES SEABURY LINK, Caldwell

HENRY LEE MCKINNEY, Blackfoot

DONALD HANLEY MORSE, Coeur d'Alene

JOHN WAYLETT NIELSEN, Pocatello

Louis William Odermott, Meridian

ALLAN FLOYD SAMUELS, Boise

ROBERT OWEN SEVERANCE, Hazelton

WALTER EDWIN STYNER, Webster, N.Y.

LEO DONALD TAFOLLA, Mullan

ROBERT RUSSELL THOMPSON, Coeur d'Alene

ROBERT NATHAN TUCKER, Boise

WILLIAM FREDRICK VAN STONE, Hope

WARREN STEVEN WATTS, Moscow

#### Bachelor of Science in Electrical Engineering

RICHARD ANCEL ADAMS, Boise

CLEO DALE ANDERSON, Rigby
With High Honors
GENE GERALD Ax, Boise
With High Honors

MICHAEL JOHN BECKER, Aberdeen

KENNETH HENRY BOHI, Pocatello

DONALD S. BEESLEY, Moscow

RICHARD BYRON CRANER, Bucyrus, Ohio With High Honors

Ross Edward Dake, Boise

ROBERT HENRY DALRY, Rupert

DAVID ANTHONY DAMIANO, Kellogg

JAMES HOWARD DAVISON, Turtle Lake, Wisc.

BHUPINDAR SINGH DHILLON, Punjab, India

DUANE LLOYD DUSTON, Moscow

DONALD HENRY FRIESEN, Aberdeen

Donald Roy Hanford, Boise

JERRY LEE HILL, McCall

LEONARD SPENCER HINCKLEY, Lewisville

MELVIN MARX HINTZE, Mackay

LEE DAVID HUSTEAD, Grangeville
With High Honors
THOMAS BYRON KEITH, JR., Moscow

CLAIR H. KENASTON, Shoshone

ARTHUR DEAN KLEMPEL, American Falls

RICHARD LEIGHTON MARKER, Boise

DEAN GORDON MELQUIST, Idaho Falls

NELS DEE MOLLER, Rupert

ERNEST WILLARD NELSON, Priest River

ARNOLD JUNIOR NIKULA, Wakefield, Mich.

JAMES BERNARD OENNING, Mullan

KEITH CHARLES ROE, Inkom

ANDREW LEE SANDEL, Pacific Grove, Calif.

JOHN GORDON STANDLEY, Moscow With High Honors GERALD GREGG STEELE, Nampa

FRANCIS LAMONT STRICKLING, Gooding

RAYMOND ANTHONY STUBBERS, Cottonwood

LEE SUTTON, Midvale

NOEL CYRILLE ANDRE' BERNARD TANNEUR, Findlay, Ohio VERNON PERRY THOMAS, Grangeville

JAMES MAX THOMSON, Teton City

JOHN RICHARD TURNER, Deer Park, Wash.

DONALD ELIJIO VELASQUEZ, Rupert

TERENCE MELVIN WHITE, Lewiston
THOMAS JESSE WILDE, Moscow
CLARENCE ROBERT YOUNG, Twin Falls
With High Honors

#### Bachelor of Science in Mechanical Engineering

GRANT LAMONT ANDERSON, Thornton
GEORGE LEROY BAKER, Pocatello
MOYLE LORIS BRAITHWAITE, Boise
GERALD DAVID CARPENTER, Emmett
SANG HO CHOE, Seoul, Korea
DAVID LEE CLEMENTS, Lewiston
ARNOLD JOSEPH EIDAM, Sandpoint
JAMES CARL ELLIOTT, Meridian
DARHL ROBERT EVANS, Malad
DONLEY DEAN FRESHWATER, Ottumwa, Iowa
SAMUEL ALEXANDER GILBERT, JR., Moscow
DUANE BEN JANES, Buhl
GRAYDON DOUGLAS JOHNSON, Coeur d'Alene

Paul Carter King, Moscow

Jack William Leitner, Encino, Calif.

Richard Carlson McCool, Rupert
With High Honors

Gary Wayne Morgan, Heyburn

James Clifford Patton, Sandpoint

Vance Edwin Penton, Jr., Payette

John Kay Rawlins, Idaho Falls

Richard Dale Rice, Troy

Gerald Joseph Rohwein, Cottonwood

Ernest Woodford Simpson, Buhl

Clifford James Spencer, Emmett

Warren Wayne Wallace, Nampa

Gary Ralph Waymire, Boise

#### Bachelor of Science in Chemical Engineering

GILBERT MELTON DUNN, Buhl

CHARLES JOSEPH ECKERY, Nampa

JOSEPH EUGENE ERRAMOUSPE, Montpelier

HAROLD EDWARD GIMPEL, Rigby
With High Honors

LEO RUDOLPH HANSEN, Pocatello

JOHN WILBUR HARRIS, Burley

ROBERT WILLIAM HOSPODAREC, Calgary,
Alberta, Canada

ROBERT CHARLES JOHNSON, Moscow

ROBERT FRANK KELLER, Fruitland
WILLIAM WARD KILBOURNE, Moscow
STANLEY DEAN LARSON, Shoshone
EDWARD LEE SCHMITH, Lewiston
CHARLES RYBERG SKILLERN, Boise
BRUCE CLINTON WENDLE, Sandpoint
BRUCE ROBERT WRIGHT, Glen Rock, N.J.

#### Bachelor of Science in Agricultural Engineering

WILLIAM KEITH ANDERSEN, Moscow James Jack Branom, Lewiston Kenneth James Brust, Grangeville HOMER GORDON ECCLES, Picabo

DONALD RAY GRADWOHL, Caldwell

DAVID MARK WICKWARD, Moscow

#### COLLEGE OF LAW

#### Bachelor of Laws

JIM CHRISTENSEN, Idaho Falls

PETER KENT CHURCH, Burley

FRANK THOMAS ELAM, Boise

JOHN WILLARD NELSON, Dietrich

FRANCIS JOHN NOSEK, JR., Highland Park, Ill.

WILLIAM LAWRENCE NUNGESTER, Pocatello

OTTO DAVID PALMER, Moscow

NICHOLAS GEORGE SPEROPULOS, Weiser
WILLIAM ANDREW STELLMON, Moscow
JAMES WALLACE SWEENEY, Dixon, Mont.
JOHN RICHMOND THORNOCK, Idaho Falls
ROBERT MICKEY TURNBOW, Moscow
With High Honors
ZANE VORHES, Napa, Calif.

#### COLLEGE OF MINES

#### Bachelor of Science in Mining Engineering

GERALD LOUIS SCHIERMAN, Colfax, Wash.

JOSEPH VERNER TINGLEY, Fair Oaks, Calif.

#### Bachelor of Science in Metallurgical Engineering

JOHN PETER BACHOWSKY, Iselin, N.J.

DONALD WILLIAM DUGGAN, Calgary, Alberta,
Canada

DAVID STANLEY DURHAM, Surrey, England
With High Honors

DENNIS GEORGE HARGREAVES, Lethbridge, Alberta, Canada DWYER WAYNE LAWTON, Wendell

WILLIAM LARRY ORTON, Calgary, Alberta,
With High Honors Canada

#### Bachelor of Science in Geological Engineering

CHARLES LEE BARRON, Fairfield

BILL BONNICHSEN, Filer

WALTER HARPER JOHNSON, Kalispell, Mont.

THOMAS EDWARD MEUNIER, Twin Falls ROBERT GORDON TATE, Coeur d'Alene

#### Bachelor of Science in Geology

Donald Lee Brown, Donnellson, Iowa

James Allen Cornie, Buhl

Thomas Dudley Hamilton, Essex, Conn.

Edwin Darrell Horn, Burley

Gary Arthur Knott, Calgary, Alberta, Canada

Roger Minnich, Samuels

Louis Monroe Patterson, Ahsahka
Ronald Ross Powell, Calgary, Alberta,
Canada
Charles Nickolas Rorvik, Othello, Wash.
Marvel Carroll Stalcup, Moscow
Gordon Martin Stobie, Calgary, Alberta,
Canada
Robert Dean Weldin, Emmett

#### Bachelor of Science in Geography

RICHARD WILLIAM PETERS, White Lake, Wisc. RAYMOND WARREN WAXMONSKY, Chicago, Ill.

#### COLLEGE OF FORESTRY

#### Bachelor of Science in Forestry

WILLIAM ANGUS BARCLAY, Zion, Ill. LARY DEAN BARNEY, Shoshone KENNETH HERBERT BARTLETT, Leominster, ROBERT LYON BIGLER, Elmhurst, Ill. JON BOULDIN BLEDSOE, Lawton, Okla. ALLAN SPENCER BOSS, Hales Corners, Wisc. JOHN CARL BRANDT, Kansas City, Mo. JAMES CROSSEN BROOKES, Webster Groves, Mo. FRANK M. CAMMACK. Wenatchee, Wash. STUART FRANKLIN CARLSON, University Park, WILLIAM JOSEPH DAVIDSON, Ashton DARYL JOSEPH DELEAU, Teaneck, N.J. JOHN REED DEMEYER, Moscow LOWELL GLENN DUBBELS, Moscow WILLIAM ROBERT EWING, Texarkana, Ark. LAWRENCE ERIC FINN, Council JAMES HEREFORD FITCH, Los Altos, Calif. ALLEN ELWOOD GARRETT, Chehalis, Wash. JAMES ROY GRABAN, Moscow BENGT HALVAR HAMNER, Ellensburg, Wash. CHALON ANDREW HARRIS, Fairfield, Ill. RODNEY HARRIS, Chubbuck DONALD LAWRENCE HAUXWELL, McCook, Nebr. With High Honors KEITH LYNN HEEZEN, Moscow RICHARD FRANK HEFFEL, Moscow ROBERT JOHN HENTGES, Grand Forks, N.D.

WILLIAM EDWARD BAILEY. Boise

WILLIAM WARNER HOPPIN, JR., Farmington, NORMAN RALPH HOWSE, Altadena, Calif. ROBERT CRIST JOHNSON, Los Altos, Calif. JOHNNY J. JONES. Buhl LLOYD GEORGE KIMPTON, Twin Falls HENRY WILLIAM KIPP, Pittsburgh, Pa. LESTER KISSKA, Moscow WILLIAM CHARLES KRANTZ, Moscow DAVID LEWIS LITTLE. Boise RICHARD ERNEST LOONEY, Rupert ORVILLE BERT McARTHUR, Moscow KAYE FRANKLIN McELWAIN, Los Angeles, Calif. RALPH OSCAR MEYER, Elmhurst, Ill. RICHARD HARRY NEAL, Sun Valley DEVON O. NELSON, Blackfoot JAMES FLEMING O'DONNELL, Niagara Falls, CHARLES STUART PECK, JR., Fairfield, Neb. THOMAS VINCENT PHILLIPS, Boise RICHARD CURTIS PRESBY, Viola DONALD CHARLES PRIDMORE, Richfield ROBERT BRUCE REA, Wallowa, Ore. JOHN RAYMOND SCHUMAKER, Hamilton, Mont. RICHARD CHARLES SONNICHSEN, Coeur d'Alene DONALD HENRY SWEEP, Homedale JOHN LLOYD TAYLOR, Sandpoint JOHN FRANKLIN UNDERWOOD, Moscow HAROLD WALTER WISDOM, Riggins

#### COLLEGE OF EDUCATION

#### Bachelor of Science in Education

JACK DONALD ACREE, Nampa RONALD EDWARD ADAMS, Bristol, England ROGENE LORRAINE ALGER, Meridian HELEN ELIZABETH MILLER ALLEN, Moscow With High Honors MARIAN JANET ANCHUSTEGUI, Boise WALFRID PETER ANDERSSON, San Mateo, Calif. DAVID PETER ANDRESS, Wellesley, Mass. SHARON WARREN ANDRESS, Weiser JOHN DANIEL ASHBAUGH, Jeannette, Penn. DON JOHN BALDWIN, Sandpoint FRANCIS ACE BALLARD, Idaho Falls MILTON EMERY BARRUS, Idaho Falls DEAN VERNAL BAXTER, Blackfoot HELEN CHARMAINE RIVERS BECK, Moscow KLOVA GENE BECK, Moscow BARBARA ANN FECHNER BEED, Washtucna, Wash. RONALD LAMB BISHOP, Buhl GARY KENDALL BLICK, Castleford JACK LEE BLOXOM, Sandpoint ALFRED JOHN BOURQUE, Wellesley Hills, Mass. ADELBERT LAVERN BOWMAN, Buhl JOAN RAYNSFORD BRANDS, Richland, Wash. CLAUDIA RAE BRAUN, Nezperce With High Honors GRETCHEN KATHRYN OSTRANDER BROWN, Twin Falls WILBUR GENE BROWN, Moscow RUSSELL JAY BUHLER, Grangeville RUTH IDONNA BURSTEDT, Challis SHIRLA JEAN CALAWAY, Rexburg MARY JEANNE CALDWELL, Mountain Home ALICE BARNUM CARNIE, Coeur d'Alene MARGARET PAULINE SUNDSTAD CHUGG, Rupert

LAVERDA ALDINE CHURCHILL, Post Falls

BARBARA JEAN CLARK, Clarkston, Wash, EDITH MARTHA CLARKE, Moscow With High Honors PHYLLIS KAY COCHRANE, Princeton WILLIAM BRUCE COLVIN, Moscow ROBERT EARL COMPTON, Potlatch JUDITH ELLEN CONGER, Sacramento, Calif. BERTHA MARLENE COVINGTON, Worley PARES KAYE CURTIS, Moscow SHIRLEY ANNE DAVIDSON, Lewiston BARBARA ANNE DAVIS, LasVegas, Nev. BETTE VIRGINIA DAVIS, Twin Falls DIANNE DAVIS, Burbank, Calif. With High Honors EVA CHARMAINE DEITZ, Coeur d'Alene ROBERT LESTER DEWITT, Okanogan, Wash. IGNATIUS THOMAS DINUOVO, Bayville, N.Y. MARILYN RUTH DODGE, Boise ELIZABETH GAIL DOTZLER, Coeur d'Alene MARY JO DOWNEY, Modesto, Calif. DEAN LEWIS EATON, Wendell JOHN JACOB EIKUM, Reubens JOAN ADENE EMORY, Boise JERRY EUGENE ENDERS, Post Falls DONALD LESLIE EVANS, Lewiston SHARON KAY ISAKSEN EVANS, Lewiston ROWENA JOAN STEPHENS FALLS, Moscow FRANCIS GARY FARNWORTH, Nampa DARRELL ROY FERGUSON, Wardner With High Honors GARY AXEL FERNEY, Boise PATRICIA ANNE FINNEY, Richland, Wash. MARY ISABEL WOOD FISCHER, Lewiston ARLENE MARIE FRAHM, Hansen DOLORES MAUREEN WALKER FREDRICKSON, Moscow

RONALD EDWARD FREDRICKSON, Moscow HERBERT DONALD FRITZLEY, Moscow JAMES MAITLAND FRITZLEY, Moscow BETTY LORRAINE GAILEY, Murtaugh SALLY JO GLEASON, Richland, Wash. JAMES PETER GLENNY, South Laguna, Calif. GERALD EUGENE GNECKOW. Boise RAYMOND JOSEPH GOMES, San Bruno, Calif. KENNETH LAVERNE GOODWIN, The Dalles, Ore. GAY DARLENE GRAHAM, Fruitland GAILLORD NICKOLI GROVOM, Moscow INA HARRIET HAGAN, Moscow DENNIS BRUCE HAGUE, Kellogg VIRGINIA KAY HALE, Midvale CLAUDE ANDRES HANSON, Shoshone HOMER RALPH HATCH, Mountain Home NOVA JOANNE HATCH, Buhl LARRY DEAN HATTEMER, Lacrosse, Wash. COLLEEN JEANNETTE CASEY HEBER, Coeur d'Alene DALE ARLAND HEMPEL, Moscow GERALD RAY HOLES, Grangeville KAYE JANENE KNOX HOLLENBECK, St. Maries GEORGE CALVIN HUFFMAN, Coeur d'Alene EVERETT MICHAEL HURLEY, Parma JOHN RODERICK HYATT, Lewiston LEONARD JACOBOWITZ, Brooklyn, N.Y. CARL EUGENE JOHNSON, Lewiston ELLEN PEARL JOHNSON, Blackfoot KAREN LEE DEKLOTZ JUDD, Filer LEROY LAWRENCE JUDD, JR., Boise LAVERNE EMANUEL KARY, Hayden Lake DAWN OLIVIEN KECK, Moscow JOSEPH LONNIE KING, South Bend, Ind. MAXINE LOUISE KINZER, Moscow KAREN ANN KOTTKEY, Wallace KAY LAUGHLIN, Moscow

CHERYL LOUISE JACOBS LEE, Moscow EUCLID HENRY DOO YOUNG LEE, Honolulu. Hawaii HARRY DUNCAN MCALLISTER, JR., Lewiston KATHLEEN ANN McBratney, Buhl ELLEN ALVIRA ROOSE McCoy, Wardner JANET McDevitt, Pocatello MARGARET LORRAINE SNOW McGARRY, Moscow GLEN WILLIAM MCKIE, Troy MONTE CLAIR McMurray, Lewiston JEANNE MARIE MACMARTIN, Spokane, Wash. BEATRICE MAE MATHISON, Winchester FLORENCE KAY MENDIOLA, Boise HAROLD HARRISON MORIN, Kamiah WILLIAM RAY MURRAY, Seattle, Wash. CAROLIN RAE NAYLOR, Hansen EDNA MAE JONES NEAL, Malad MARVIN LEROY NEBEL, St. Maries THEODORE JOSEPH NEHRBASS, Gooding THERON DAVID NELSEN, Jerome SHIRLEY JANE NETTLEINGHAM, Colburn TODD LEE OLESON, Walla Walla, Wash. NANCY JOAN BEARDMORE OSBORN, Moscow With High Honors GLENETTE FOUSTE OTTON, Lewiston WILLIAM HAROLD OVERHOLSER, Spokane EARL ETHRIDGE OWEN, Moscow With High Honors CLAUDIA KATHLEEN PEDERSON, Coeur d'Alene PATRICIA ANN POOL, Coeur d'Alene GLENN ROSS POTTER, Twin Falls
With High Honors MARION JO-HANNAH SNYDER POWERS, McCall JAMES FRANCIS PRESTEL, Indianapolis, Ind. MARILYN LENORE PRITCHETT, Mackay With High Honors RONALD LLOYD RAY, Lewiston ANN HURLBERT REDFORD, Weiser DELORES JEAN MORTON REED, Mountain Home DONALD B. RIDENER, Moscow DONNA EILEEN RISTAU, Mullan

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JOSEPHINE LEE CLOVIS THOMASON, Craigmont GARY LEE THOMPSON. Craigmont SARAH ALICE TOOLEY, Athol ELLEN VIOLA TORKELSON, Coeur d'Alene PAUL ANDREW WAGAR, Osborn. MARY LOUISE WALCOTT. Buhl PHYLLIS LOUISE WALKER, Boise SANDRA ELAINE WANAMAKER. Wallace ELEANOR ANN WARNSTROM, Boise ROGER JAMES WATTS, Parma JAMES ALLAN WEBSTER, Moscow VERNIE LAWRENCE WELLS, Twin Falls ROBERT VERNON WEST, Orofino EDWARD ALLEN WHITE, Trou JIMMY ELLIS WICKS, Lewiston AGNES MARDELL BERGMAN WILLIAMS, Moscow With High Honors ROY WARREN WILLIAMS, Midvale NANCY GAYLE WILMUTH, San Bernardino, Calif. SHIRLEY ELIZABETH HALLETT WING, Council With High Honors WENDELL CORRY WOLF, Clarks Fork CLYDE FREMONT YOUMANS, Moscow

#### Bachelor of Science in Music Education

ERNEST WALTER CARR, Emmett

CAROL ANN HADDOCK, Moscow

Georgie Willis Hansen, Moscow
With High Honors

ROBERT RAY HOWARD, Buhl

MARILYN MYRTLE HUSTLER, St. Maries

RONALD RALPH THOMAS, Spokane, Wash.

GARY KEYSER, Meridian

ANNE MARIE LYONS, Kellogg
With High Honors
BYRON MICHAEL NORELL, Nampa
GERALD EVERETT STRANG, Moscow

CAROL MARGARET WHITTET, Grangeville

#### Bachelor of Science in Business Education

Dale Edward Bartles, Wilder
Mary Francine Baudek, Payette

MICHAEL JANE BEGLAN FAUCHER, Moscow Susan Mary Snow Flack, Moscow VIOLA LORRETTA HAWKINS, Meridian
MARY ANN JOHNSON, Moscow
JOE BROWN JOHNSTON, Moscow
PATRICIA ANN KELLY, Richland, Wash.
CAROL ARLEEN WESTFALL PENCE, Salmon

Adelle Birdene Snyder, Cataldo
Kay Sommers, Rexburg
Sondra Ann Teply, Mountain Home
Jeanette Ileen Gehrig Thiel, Shoshone
Cheryl Anne Van Slate, Coeur d'Alene

#### COLLEGE OF BUSINESS ADMINISTRATION

#### Bachelor of Science in Business

WILLIAM MCREYNOLDS AGEE, Meridian With High Honors JOHN ALBERT BARON, Eau Gallie, Fla. FRANKLIN DARE BAUMAN, Kellogg CHARLES WALTER BLACKHART, Moscow JORGEN BRYHN, Slemdal, Oslo, Norway REUBEN NERI BUTLER, Ola GEORGE EDWARD COLLETT, Burley ROGER DALE COLLYER, Bonners Ferry JOHN JOSEPH COSTELLO, Coeur d'Alene EDWIN SIMS CROCKETT, Sandpoint ROBERT TIM DALEY, Boise PHILLIP EUGENE DELAUNE, Boise DONALD LEROY DICK, Boise MARY LOU JUNGE DUTTON, Moscow JOHN VOORHEES EBBERT, Western Springs, Ill. FRITZ OTTO EYMANN, American Falls With High Honors JOHN DENNIS FAUCHER, Moscow With High Honors BLAIN STOCKS FELTMAN, Twin Falls RICHARD GORDON FISH, Moscow ELDON BOYCE FOGLEMAN, Nampa GEORGE ALLEN GAILEY, Murtaugh CLINTON JOHN GARDNER, Santa Ana, Calif. LAWRENCE EDWIN GARLINGHOUSE, Boise JACK LARRY GEORGE, Lewiston JOHN EDGAR GREENSTREET, Glenns Ferry

DUANE LEE GREER, Caldwell ROGER GEORGE GREGORY, Sandpoint ROGER EDWARD GROVE, Caldwell LIV GRUNDT GUILDFORD, Oslo, Norway LAVERN REINHOLD GUTHMILLER, Coeur d'Alene STUART ROY HAINES, Jerome EARL DEAN HALL, JR., Moscow With High Honors ROBERT MICHAEL HANZEL, Burley KENT EDWIN HARRISON, Englewood, Colo. LARRY ALBERT HOLLOWAY, Twin Falls DONALD LEE HORNE, Kellogg GLEN RALPH INGALLS, Cataldo LOWELL DEWAYNE JARVIS, Grangeville GARY CARLSON JONES, Idaho Falls MARY ELIZABETH JONES, Moscow ROGER LEE JONES, Rupert THEODORE FRANK KEITH, Salmon JAMES RAMON KLOEPFER, Kuna WILLIAM KENNETH KOBS, JR., Coeur d'Alene MARVIN DONALD KRUEGER, Coeur d'Alene MYRNA LORRAINE LEATHAM, Shelley LINDA LOU LEWIS, Moscow ARTHUR JOHN LINDEMER, JR., Twin Falls GEORGE PAUL LUCKHARDT, Kellogg HILMAR PAUL LUNDE, Asker, Norway

Frank Delon McCormick, San Jose, Calif. DENNIS EDWARD McLean, Boise DAVID ROGER McMahon, Boise ROBERT LOUIS MAGNUSON, Wallace ROBERT WESLEY MEYERS, JR., Moscow DONALD REED MORTON, Detroit, Mich. DAVID ROSS MUNN, Twin Falls JANET LARAE MARY NAU, Nezperce With High Honors LEROY JOHN NEIDER, Pocatello With High Honors LAIRD NOH, Kimberly JAMES CHARLES NORTON, Moscow ROBERT DONALD OVERSTREET, Boise MICHAEL LEE PETERSON, Lewiston DAN ROGER PILKINGTON, Coeur d'Alene RALPH JOSEPH PRIBBLE, Mullan LARRY DALE RIPLEY, Wardner

KELVIN VANCE ROBERTS, Lewiston

CHARLES RONALD SAULLS, Caldwell

WILLIAM LEE SCOTT, Moscow WAYNE THOMAS SHELTON, Wallace QUENTIN DALE STODA, La Crosse, Wisc. RUDY GEORGE MADRID SUBIA, Wilder BRUCE GREGORY SUMMERS, Boise STEPHEN CONRAD SWANSON, Idaho Falls With High Honors RICHARD DARRELL THOMAS, Nezperce DUANE ELDON THOMPSON, Moscow LEONARD JOHN UNZICKER, Buhl DONALD ARLO VAN KLEECK, Coeur d'Alene CLARENCE SCOTT VAUGHT, Bruneau ROBERT LEE WALTON, Boise ROBERT CHARLES WEAVER, Buhl OLAND BRUCE WHITE, Moscow DAMA LEE WILDIG, Boise With High Honors DAVID MANNING WORSLEY, Moscow LAURENCE DEAN YOUNG, Moscow

## Advanced Degrees

### Master of Arts

WILLIAM JOSEPH GABOURY, B.A., Harrison
Major in History. Thesis: The Beginning of the Populist Party in Idaho

GERALD JOHN GOECKE, B.S. (Mus.Ed.), Moscow Major in Music. Composition: Kyrie, A Short Mass for Mixed Chorus

PAULINE CHASE HARVEY, B.S., Moscow

Major in Art. Thesis: Comparative Study of Japanese and Flemish Visual Humor as Shown in the Works of Hokusai and Brueghel

JOHN KENNETH HODSON, JR., A.B., Champaign, Illinois Major in German. Thesis: Friedrich Durrenmatt and the Modern American Drama

JAE NUM LEE, B.A., Seoul, Korea

Major in English. Thesis: Destructive Forces of Introversion: A Study of the Poetry of
Robinson Jeffers

CHARLES SPALDING OLDHAM, B.A., Blackfoot

Major in Political Science. Thesis: Conflict, Culture and Social Violence: An Interpretation
of the Nature of War

FERN MARIE PAULSEN STOKES, B.A., Moscow

Major in English: Thesis: Strange Prices of Freedom: A Study of the Plays of Robert E. Sherwood

NORAH ALICE SOUTHON TISDALE, B.A., Moscow

Major in Art. Thesis: The Representation of Light in the Work of El Greco and Rembrandt

#### Master of Science

WILLIAM DOUGLAS BILLS, B.S., Boise

Major in Organic Chemistry. Thesis: The Preparation of Some Toluhydroxamates and their Derivatives

EARL EDWARD BURDICK, B.S., Idaho Falls

Major in Physics. Thesis: Comparative Performance of Black vs Gray Control Rods in the Engineering Test Reactor Critical Facility

RICHARD CREIGHTON GIBERSON, B.S., Richland, Washington

Major in Chemistry. Thesis: Oxygen Diffusion and Reaction During Gamma Irradiation of Polyethylene

FOREST DEAN HINDMAN, B.S., Gorham, Illinois Major in Chemistry. Thesis: Investigation of Indium Oxalates

DENZEL KAY JENSON, B.S. (E.E.), Idaho Falls Major in Physics. Thesis: The Calibration of a Thyroid Counter

LEONARD EDWARD KAWULA, B.S., Moscow

Major in Chemistry. Thesis: A Study of Some Vanadium Oxalate Coordination Compounds

TOHRU KURIYAMA, B. in Engr., Yokohama, Japan

Major in Chemistry. Thesis: The Air Oxidation of Cobalt(II) Nitrate-Tetraethylenepentamine Solutions

MILTON ECCLES McLain, Jr., A.B., Buford, Georgia

Major in Chemistry. Thesis: Mechanism of Electroreduction of Chromic Ion at the Mercury Cathode

WILLIAM JOHN MAECK, B.S., Idaho Falls

Major in Chemistry. Thesis: Separation of Uranium, Neptunium, and Plutonium from Enriched
Uranium-Fission Product Mixtures with Specific Application to Analytical Procedures

DONALD SEYMOUR MAY, B.S., Coeur d'Alene
Major in Bacteriology. Thesis: The Isolation and Study of Adenine Decomposing Clostridia

JAMES WILLARD NANCE, B.S., Lewistown, Montana Major in Mathematics. Thesis: Fourier Expansions via Green's Function

VICTOR ISAAC NEELEY, B.A., Richland, Washington

Major in Physics. Thesis: A Measurement of the Infinite Medium Thermal Neutron Multiplication
Factor for 2 Wt.% U-235 Enriched Uranium Tetra Fluoride Paraffin Moderated
at a Hydogen to U-235 Atomic Ratio of 195

RUSSELL EDWIN PETERSON, B.S.(E.E.), Kennewick, Washington

Major in Physics. Thesis: A Generalized Calculation of Material and Reactivity Balance in

Recycled Plutonium Reactors

CLARENCE JOHN POTRATZ, B.A., North Hollywood, California Major in Mathematics. Thesis: One-Dimensional Random Walks

ROBERT LEO PRESTEL, B.S. (Ed.), Indianapolis, Indiana Major in Mathematics. Thesis: A Proof for Rodrigues' Formula by Rayleigh's Principle

FRANCISCO QUITUGUA ROBERTO, B.S., Santa Rita, Guam

Major in Chemistry. Thesis: An Investigation of the Methods for the Preparation of 2,4,6-Trinitroresorcinol

WARREN H. SCHWARTZ, B.A., Belfield, North Dakota

Major in Zoology. Thesis: Histochemical Investigation of the Neurosecretory Level in the
Posterior Pituitary of Normal and Adrenalectomized Male Albino Rats

ANN HOWORTH SNYDER, A.B., Moscow

Major in Psychology. Thesis: A Review of the Literature on the Stanford-Binet and the
WISC With Preschool and School Children: 1945-1959

JAMES RODNEY THROCKMORTON, B.S., Moscow Major in Chemistry. Thesis: Anisohydroxamic Acid Esters

GALE DEAN WYER, B.A., Genesee

Major in Agricultural Chemistry. Thesis: Studies on the Clay Complex of Certain Problem Soils in Idaho

#### Master of Science in Agriculture

CHARLES MALCOLM CAMPBELL, B.S. (Ag.), Corpus Christi, Texas

Major in Animal Husbandry. Thesis: A Study of the Crude Protein Requirements of the Ewe Lamb
As Affected by Total Digestible Nutrients Intake, Quality of Protein, and Antibiotic Allowance

CARL HUGO GOTSCH, B.S. (Ag.), Parma

Major in Agricultural Economics. Thesis: Agricultural Adjustment on Southeastern Idaho Wheat Farms

MAX DUANE HANDY, B.S. (Ag.), Heyburn

Major in Agricultural Education. Thesis: A Study of the Farm Machinery Repair Abilities

Needed by Farmers of the Marsh Valley School District, Bannock County

NORMAN HOWARD HINMAN, B.S., Eureka, California

Major in Animal Nutrition. Thesis: Fractionation Studies on the Unidentified Chick Growth
Factor in Dried Egg Yolk

DENNIS HURST, B.S.(Ag.), Beverley, East Yorks, England

Major in Animal Husbandry. Thesis: The Relationship of Live Scores and Body Measurements to Carcass Measurements and Quality in Lambs

WILBERT ALLAN JOHNSON, B.S. (Ag.), Moscow

Major in Agricultural Economics. Thesis: Measurement Problems in Evaluating Agricultural Producer Promotion

DONALD KEITH LARSON, B.S. (Ag.), Moscow

Major in Agricultural Economics. Thesis: Economic Evaluation of Range Reseeding on Private
Rangeland in Southern Idaho

EMIL MARLIN LOE, B.S. (Ag.), Warwick, North Dakota

Major in Agricultural Economics. Thesis: Optimum Crop Combinations in the Boise Valley
A Linear-Programming Problem

JACKY WELDON MCANINCH, B.S. (Ag.), Merkel, Texas

Major in Animal Husbandry. Thesis: A Study of the Digestibility and Nutritive Value of Crested Wheatgrass with Yearling Beef Cattle Under Range Conditions

RAJA FARID NASSAR, B.S. (Ag.), Beirut, Lebanon

Major in Horticulture. Thesis: Factors Affecting Tuberization in the Russet Burbank Potato

LARRY VERL SUMMERS, B.S.(Ag.), Blackfoot

Major in Agricultural Economics. Thesis: An Economic Analysis of the Development of
Potato Processing in Idaho

JERRY DEAN THOMPSON, B.S. (Ag.), Pawnee Rock, Kansas

Major in Animal Husbandry. Thesis: Studies of Some Nutritional Variables Upon the Performance of Growing Swine

NORMAN ORLOW WARREN, B.S. (Ag.), Richland, Washington

Major in Agricultural Education. Thesis: An Evaluation of the Agricultural Adult Program in Sixty-Nine Departments of Vocational Agriculture Located in the the State of Idaho

#### Master of Agriculture

PHILIP OTHO EDWARDS, B.S. (Ag.), Dietrich
Major in Dairy Production. Minor in Agronomy. Comprehensive Examination.

GRANT BODILY HALL, B.S.(Ag.), Caldwell
Major in Dairy Production. Minor in Agronomy. Comprehensive Examination.

#### Master of Science in Civil Engineering

MERRILL WILLIAM CONITZ, B.S., Moscow

Major in Civil Engineering . Thesis: A Study of the Application of Photogrammetric Methods to Smaller Surveys

JAGAT SINGH DHAMRAIT, B.S. (C.E.), Jullundur (EP) India Major in Civil Engineering. Thesis: Rock Chip Retention by Asphalt Seal Coats

#### Master of Science in Electrical Engineering

GARY LOUIS BLANK, B.S. (E.E.), Rockford, Illinois

Major in Electrical Engineering. Thesis: A Pulse-Generating Reference for Closed-Loop Power
Demand Regulating Systems

WILLIAM DONALD CAMERON, B.S. (E.E.), Richland, Washington

Major in Electrical Engineering. Thesis: The Simulation of the Plutonium Recycle Test
Reactor on an Analog Computer

Walter Dalos, B.S., Richland, Washington

Major in Electrical Enineering. Thesis: Rapid Transfer Switching on Neutron Flux

Monitor Power Supplies

JOSEPH HUGH GREER, B.S. (E.E.), Richland, Washington

Major in Electrical Engineering. Thesis: Semiconductor Switching for Nuclear Reactor Control

GEORGE ATHEL HUME, B.S., Moscow

Major in Electrical Engineering. Thesis: Application of the Principle of Minimum Energy
Triggering Signals to Systems with Distributed Constants

CHARLES ALBERT RATCLIFFE, B.S., Kennewick, Washington Major in Electrical Engineering. Thesis: A Reactor Effluent Monitor

Mansoor Ali Saifi, B.E. (E.E.), B.E. (M.E.), Surat, India
Major in Electrical Engineering. Thesis: A Study of an Induction Motor With Conical Air Gap

RICHARD TZENG-YAN SHA, B.S. (E.E.), Taipei Taiwan, China
Major in Electrical Engineering. Thesis: Constant Current Tchebycheff Multi-Pole Matching Networks

WARD GUSTAVUS SPEAR, B.S., Richland, Washington

Major in Electrical Engineering. Thesis: A Scintillation Transistorized Alpha Beta Gamma
Hand and Shoe Counter

#### Master of Science in Mechanical Engineering

DENNIS OREN BLACKKETTER, B.S., Moscow
Major in Mechanical Engineering. Thesis: The Design of a Print-Writer

DONALD ROSS DOMAN, B.S., Richland, Washington
Major in Mechanical Engineering. Thesis: In-Reactor Measurement of Fuel Element Cladding Temperatures

ROBERT ARTHUR GOODELL, B.S., Idaho Falls

Major in Mechanical Engineering. Thesis: The Design and Operation of an Automatic Radioactive

Sample Changer for the MTR Fast Chopper

JOHN EDWARD HANSON, B.S., Richland, Washington

Major in Mechanical Engineering. Thesis: Selection of Materials for Irradiation Facility Sample
Carriers Based Upon Induced Radioactivities and Half-Lives

LELAND JEROME NITTEBERG, B.S. (M.E.), Kennewick, Washington
Major in Mechanical Engineering. Thesis: Heating, Ventilating, and Air Conditioning of the
Plutonium Recycle Test Reactor

JAMES HURLEY VAN SANT, JR., B.S. (M.E.), Lewiston

Major in Mechanical Engineering. Thesis: An Investigation of Induced Turbulence in Flow
of a Compressible Fluid in a Circular Duct at Subsonic Velocities

Pu-Rung Wen, Ordnance Engr. College, Taipei, Taiwan, China Major in Mechanical Enineering. Thesis: Three-Dimensional Photoelastic Stress Analysis of High Pressure Bolted-Up Flanges

#### Master of Science in Chemical Engineering

RUDOLPH THEODORE ALLEMANN, B.S., Richland, Washington

Major in Chemical Engineering. Thesis: A Study of the Effects of Some Spray Column Variables
on Radiant-Heat "Transfer in Spray Calcination"

RAY DE MONTE BENHAM, B.S. (Ch.E.), Idaho Falls

Major in Chemical Engineering. Thesis: Characterization of Highway-Aggregates by Means of
Their Surface Energy Relations with Asphalt and Water Mixtures

DENNIS REX EVANS, B.S. (Ch.E.), Alameda

Major in Chemical Engineering. Thesis: A Double-Pipe Electrochemical Cell for the
Production of Oxidized Potato Starch

WILLIAM JAMES GARTIN, B.S.(Ch.E.), Richland, Washington

Major in Chemical Engineering. Thesis: Contraction Losses and High Temperature Pressure

Drop Determinations for Tube Bundles

DAVID BERNARD GROVE, B.S. (Ch.E.), Hillsboro, North Dakota Major in Chemical Engineering. Thesis: Effect of Packing Surface on Pulsed Column Performance

GARY MURDOCK HARRIS, B.S. (Ch.E.), Seattle, Washington
Major in Chemical Engineering. Thesis: Safflower Oil Recovery by Water Displacement

GERALD DEAN HAUXWELL, B.S. (Ch.E.), McCook, Nebraska
Major in Chemical Engineering. Thesis: Oxygen Transfer from Air to Water by a Jet Process

KENNETH DON HAYDEN, B.S. (Ch.E.), Richland, Washington

Major in Chemical Engineering. Thesis: A Study of the Rupture Performance of Coextruded
Uranium-Zircaloy-2 Fuel Elements in a 300° C Out-of-Reactor Recirculating Water Loop

ROBERT KIRK HILLIARD, B.S. (Ch.E.), Kennewick, Washington
Major in Chemical Engineering. Thesis: Fission Product Release from Heated Uranium

PAUL NAISMITH KELLY, B.S. (Ch.E.), Blackfoot

Major in Chemical Engineering. Thesis: Thermal Conductivity of Calcined Uranium Reprocessing
Waste in the Range 100°F to 2800°F

#### Master of Science in Agricultural Engineering

ALAN CLARENCE ROBERTSON, B.S. (Ag.E.), Coeur d'Alene
Major in Agricultural Engineering. Thesis: Some Furrow Irrigation Flow Relationships

#### Master of Science in Metallurgical Engineering

CLARK NAPIER ADAMS, B.S., Oakland, California

Major in Metallurgical Engineering, Thesis: Gravity Beneficiation Tests on a Thorite Ore

THOMAS DAVID CHIKALLA, B.S. (Met.E.), Richland, Washington

Major in Metallurgy. Thesis: Solid State Equilibria and Sintering Studies on the System

Uranium Dioxide-Plutonium Dioxide

HOWARD ROY GARDNER, B.S., Richland, Washington Major in Metallurgy. Thesis: The Tensile Properties of Plutonium

HUEY-RONG HSI, B.S., Taipei, Taiwan, China Major in Metallurgical Engineering. Thesis: The Effects of Polyelectrolytes on Flocculation of Clay from Clay Deposits in Latah County, Idaho

JOHN ALLEN SHIVELY, B.S. (Met.E.), Jamestown, New York
Major in Metallurgical Engineering. Thesis: The Beneficiation of Low-Grade Thorite Ore

#### Master of Science in Geological Engineering

MELVIN OBERT GLERUP, B.S. (Ed.), B.S. (Geo.E.), Selby, South Dakota Major in Geological Engineering. Thesis: Economic Geology of Lime Point Area Nez Perce County, Idaho

#### Master of Science in Geology

WILLIAM NORMAN BAILLIE, B.S., Laramie, Wyoming
Major in Geology. Thesis: Geology of the Fogg Hill Area, Bonneville and Teton Counties, Idaho

FRANK GEE ENG, A.B., Newark, New Jersey

Major in Geology. Thesis: Geology of the Lucky Horseshoe Thorium Deposit, Lemhi County, Idaho

#### Master of Science in Forestry

HOWARD WILLIAM CHADWICK, B.S. (For.), Pullman, Washington

Major in Wildlife Management. Thesis: Plant Succession and Big Game Winter Movements
and Feeding Habits in a Sand Dune Area in Fremont County, Idaho

JOHN EARL CRAWFORD, JR., B.S., St. Anthony

Major in Wildlife Management. Thesis: The Movements, Productivity, and Management of Sage Grouse in Clark and Fremont Counties, Idaho

JOHN HAROLD HELLE, B.S. (For.), Lewiston

Major in Fishery Management. Thesis: Characteristics and Structure of Early and Late Spawning
Runs of Chum Salmon (Oncorhynchus Keta) (Walbaum) in Streams of Prince William Sound, Alaska

CHARLES FREDERICK MARTINSEN, B.S., Aberdeen, Washington

Major in Wildlife Management. Thesis: The Effects of Summer Utilization of Bitterbrush in Northcentral Washington

JOHN FREDRICK THILENIUS, B.S., Moscow

Major in Wildlife Management. Thesis: Forage Utilization by Cattle and White-Tailed Deer on a Northern Idaho Forest Range

NICOLAS EDWIN TIPPLE, B.S., Ghent, New York

Major in Wood Utilization. Thesis: Contributions of Log Sorting and Production
Programming to Lumber Marketing

LEAFORD CHARLES WINDLE, A.B., Greensburg, Kansas

Major in Range Management. Thesis: An Investigation of the Ecology of Six Perennial
Native Species of the Salt-Desert Shrub Type in Southern Idaho

#### Master of Forestry

ROBERT MEAD FERGUSON, B.S. (For.), Moscow
Major in Forest Management. Minor in Range Management. Comprehensive Examination.

#### Master of Science in Education

Lois Lee Meister Lehrer, B.S. (Ed.), Moscow

Major in Education. Thesis: Educational Provisions for the Academically Talented and Their Adaptation to the Small Town Elementary School

#### Master of Education

MARJORIE HARTMAN ANDERSON, B.A., Great Falls, Montana
Major in Education. Minor in Elementary Education. Comprehensive Examination.

MARY ROSALIE HARDING BLANTON, B.S. (H.Ec.), Moscow

Major in Education. Minor in Secondary Education. Comprehensive Examination.

LESLIE DEAN BOGGAN, B.S. (Ed.), Butte Falls, Oregon
Major in Education. Minor in Social Studies. Comprehensive Examination.

WILLARD TABOR BRILL, B.S. (Ed.), Eau Claire, Wisconsin
Major in Education. Minor in Secondary Education. Comprehensive Examination.

WILBUR GENE BROWN, B.S. (Ed.), Priest River
Major in Education. Minor in Administration. Comprehensive Examination.

FRED GARDNER BULFINCH, B.A. (Ed.), Lewiston

Major in Education. Minor in Guidance. Comprehensive Examination.

KATHERINE D. HENRY CHRISTENSEN, B.A., Richland, Washington Major in Education. Minor in Elementary Education. Comprehensive Examination.

VIRGINIA MANSFIELD CUMMINGS, B.A., Sumner, Washington Major in Education. Minor in English. Comprehensive Examination.

WALTER RALPH DEAN, B.S. (Ed.), Filer
Major in Education. Minor in Secondary Education. Comprehensive Examination.

GEORGE ALAN DONALDSON, B.S. (Ed.), Mountain Home Major in Education. Minor in Physical Education. Comprehensive Examination.

GENEVA HUGHES FARNAM, B.S. (Ed.), Moscow

Major in Education. Minor in Elementary Education. Comprehensive Examination.

VERNON EUGENE FARNELL, B.S. (Ed.), Genesee
Major in Education, Minor in Administration. Comprehensive Examination.

ORLAND ELIA FAVARO, B.A. (Ed.), Lewiston

Major in Education. Minor in Administration. Comprehensive Examination.

LEROY CHESTNEY FOWLER, B.A., Nampa
Major in Education, Minor in Administration. Comprehensive Examination.

ROBERT WARREN FRITTS, B.S. (Ed.), Okanogan, Washington Major in Education. Minor in Administration. Comprehensive Examination.

NORMAN LEON GARRETT, B.S. (Ed.), Moscow Major in Education. Minor in Biological Science. Comprehensive Examination.

ROBERT SIMPSON GIBB, B.A., Moscow

Major in Education. Minor in Administration. Comprehensive Examination.

HAROLD RICHARD GOFF, B.A. (Ed.), Cheyenne, Wyoming Major in Education. Minor in Physical Education. Comprehensive Examination.

RICHARD ARNOLD HEBARD, B.S. (Ed.), South Gate, California Major in Education. Minor in Administration. Comprehensive Examination.

ROBERT WALTER HEIMGARTNER, B.S. (Ag.), Genesee
Major in Education. Minor in Administration. Comprehensive Examination.

BRUCE ALISON HICKS, B.S., Mountain Home

Major in Education, Minor in Administration, Comprehensive Examination.

FREDERICK ANDERSON HOLZ, B.S. (Ed.), Moscow

Major in Education. Minor in Administration. Comprehensive Examination.

STOWELL RAYMOND JOHNSTONE, B.S. (Ed.), Moscow
Major in Education. Minor in Administration. Comprehensive Examination.

JULIA SMITH KNUDSEN, B.A., Gerlach, Nevada Major in Education. Minor in Guidance. Comprehensive Examination.

LUCILE HARRIET GLINDEMAN LANGE, B.A., Coeur d'Alene
Major in Education. Minor in Secondary Education. Comprehensive Examination.

RAY LEWIS, B.S. (Ed.), Boise

Major in Education. Minor in Physical Education. Comprehensive Examination.

GERALD DEAN McGraw, B.S.(Ag.), Bonners Ferry
Major in Education, Minor in Administration. Comprehensive Examination.

CLAUDE WESLEY MORROW, B.S. (Ag.), Bonners Ferry
Major in Education. Minor in Administration. Comprehensive Examination.

NORMAN PAUL NICHOLS, B.S., Moscow Major in Education. Minor in Secondary Education. Comprehensive Examination.

BLANCHE LOUISE NOVACEK, B.A., Buhl Major in Education. Minor in Secondary Education. Comprehensive Examination.

LENORA IRENE RICE O'BRIEN, B.S. (Ed.), Reubens Major in Education, Minor in Administration, Comprehensive Examination,

LUCILLE ANNE PALMER, B.S. (Ed.), Council Major in Education. Minor in Elementary Education. Comprehensive Examination.

BEVERLY J. FISHER PARKER, B.S. (Ed.), B.A. (Ed.), Emmett Major in Education. Minor in Physical Education. Comprehensive Examination.

DWAIN KNIGHT PARKER, B.A., Bonners Ferry Major in Education. Minor in Administration. Comprehensive Examination.

JAMES EDWARD PARKER, B.A. (Ed.), Emmett Major in Education. Minor in Physical Education. Comprehensive Examination.

JOHN PAUL PRICE, B.S. (Ed.), Nampa Major in Education. Minor in Physical Education. Comprehensive Examination.

ARTHUR DELBERT ROBERTS, B.S. (Ed.), Rocky Point, L.I., New York Major in Education, Minor in Administration, Comprehensive Examination.

BRUCE QUERRY Ross, B.S., Moscow Major in Education. Minor in Guidance. Comprehensive Examination.

ELIZABETH STOCKING SEALE, B.S. (Ed.), Moscow Major in Education. Minor in Guidance. Comprehensive Examination.

LUCILLE MAY SEIM, B.Ed., Wisconsin Rapids, Wisconsin Major in Education. Minor in Elementary Education. Comprehensive Examination.

CARL FRANK STEIGERS, B.S. (Ed.), Lapwai Major in Education. Minor in Administration. Comprehensive Examination.

GLADYS ELEANOR MESSENGER STILING, A.B., Ventura, California Major in Education. Minor in Spanish. Comprehensive Examination.

IDA MAE SCHAEFER STOCK, B.S. (Ed.), Los Angeles, California Major in Education. Minor in Elementary Education. Comprehensive Examination.

KEITH HAMILTON STURTS, B.S. (Ed.), Coeur d'Alene Major in Education. Minor in Physical Education. Comprehensive Examination.

KEITH EUGENE TARBOX, B.S. (Ed.), Troy Major in Education. Minor in Administration. Comprehensive Examination.

GORDON BENNETT TAYLOR, B.S. (Ed.), Garfield, Washington Major in Education. Minor in Guidance. Comprehensive Examination.

WAYNE JOE THOMAS, B.S. (Ed.), Nezperce Major in Education, Minor in Administration, Comprehensive Examination,

JAMES LYLE THOMPSON, B.A., Sandpoint (Awarded Posthumously)
Major in Education. Minor in Administration. Comprehensive Examination.

ROBERT LOUIS TURNER, B.S. (Ed.), Moscow Major in Education, Minor in Administration, Comprehensive Examination.

RUTH ELEANOR GRUSH TURNER, B.A., Moscow Major in Education. Minor in Guidance. Comprehensive Examination.

CLAIR DUANE VAN SCHAACK, B.S. (Ed.), Moscow Major in Education. Minor in Guidance. Comprehensive Examination.

DON DUANE VOGLER, B.S. (Ed.), Lovelock, Nevada Major in Education. Minor in Administration. Comprehensive Examination.

THOMAS OTIS WEBB, B.S. (Ed.), Martinez, California Major in Education. Minor in Secondary Education. Comprehensive Examination. RICHARD RODNEY WEIST, B.A., Porterville, California
Major in Education. Minor in Physical Education. Comprehensive Examination.

GERALD RAE WHITE, B.S. (Ed.), Kendrick

Major in Education. Minor in Administration. Comprehensive Examination.

GORDON ELLSWORTH WHITE, B.A. (Ed.), Waitsburg, Washington Major in Education. Minor in Physical Education. Comprehensive Examination.

#### Master of Science in Music Education

CHESTER VERNON EARLS, B.A., Genesee
Major in Music Education. Composition: Statement of Faith

GEORGE WESLEY RUSSELL, B.S., Helix, Oregon
Major in Music Education. Composition: "Fantaisie" by Cesar Franck, Transcribed for Band

#### Master of Music Education

MARLYS JEAN BECKER, B.S. (Ed.), Dazey, North Dakota Major in Music Education. Minor in Education. Comprehensive Examination.

ERBY DALTON JONES, B.A., Grangeville
Major in Music Education. Minor in Education. Comprehensive Examination.

ELSIE MOORE McFarland, B.S. (Ed.), Colfax, Washington
Major in Music Education. Minor in Education. Comprehensive Examination.

VERGIL EDGAR PERSONETTE, B.A. (Ed.), Pendleton, Oregon
Major in Music Education. Minor in Education. Comprehensive Examination.

#### Master of Business Education

WALT LAWRENCE HARDIN, B.S. (Ed.), Sandpoint
Major in Business Education, Minor in Education, Comprehensive Examination.

#### Master of Natural Science

HAROLD JAMES BEACH, B.A., Mountain Home
Majors in Physical Science and Mathematics. Comprehensive Examination.

NORMAN WILLIAM MAYER, B.S., B.E., Tacoma, Washington Majors in Biological Science and Physical Science. Comprehensive Examination.

CLARENCE LEROY MILLER, B.S., Medford, Oregon Majors in Physical Science and Biological Science. Comprehensive Examination.

GALEN LOUIS MOYER, B.A. (Ed.), McCook, Nebraska Majors in Biological Science and Physical Science. Comprehensive Examination.

FLOYD ALVIN PAULSEN, B.A. (Math.), B.A. (Ed.), Moscow Majors in Physical Science and Biological Science. Comprehensive Examination.

ELLIS POULLETTE, B.Ed., Hillsboro, Oregon

Majors in Biological Science and Physical Science. Comprehensive Examination.

MARION WOODROW QUESSENBERRY, B.A., Modesto, California Majors in Biological Science and Physical Science. Comprehensive Examination.

GLEN DAVID RILEY, B.S. (Ed.), Batavia, Illinois
Majors in Physical Science and Mathematics. Comprehensive Examination.

## Professional Degrees

#### Civil Engineer

GEORGE ROBIE RUSSELL, B.S. (C.E.), White Bird

Major in Civil Engineering. Theses: Manual of Instructions for Surveys and Investigations
United States Department of the Interior Alaska Road Commission

#### Commissions

#### APPOINTED AS SECOND LIEUTENANTS IN THE UNITED STATES ARMY

KENT E. HARRISON DENNIS E. MCLEAN ROBERT W. MEYERS, JR. WILLIAM H. MILLS, III WILLIAM H. OVERHOLSER DONALD E. SMITH BRUCE G. SUMMERS

## APPOINTED AS SECOND LIEUTENANTS IN THE UNITED STATES ARMY RESERVE

RICHARD A. ADAMS
JOHN K. ARNOLD
ALLAN S. BOSS
DAVID A. DAMIANO
CHARLES J. ECKERY
DARHL R. EVANS
DONALD L. EVANS
HERBERT C. GIBSON
ROGER G. GREGORY
ROGER E. GROVE
ROBERT J. HENTGES
ROBERT C. JOHNSON
WAYNE L. KIDWELL

RICHARD C. McCool
NELS D. Moller
ROBERT D. NELSON
GLENN R. POTTER
JAMES F. PRESTEL
BENJAMIN M. SCHAFFER
JOHN R. SCHUMAKER
RICHARD D. SHINN
DONALD R. SHELANGOSKIE
DONALD H. SWEEP
ARTHUR H. WARNKE
RAYMOND W. WAXMONSKY

#### COMMISSIONED AS ENSIGNS IN THE UNITED STATES NAVY

BERT L. ALLEN
GEORGE A. BENEDICT
KARL C. BITTENBENDER
GERALD E. GNECKOW
GLEN P. MCCURDY

WILLIAM M. RICH ROGER M. SEITZ PAUL H. WEBB TERENCE M. WHITE

## COMMISSIONED AS SECOND LIEUTENANTS IN THE UNITED STATES MARINE CORPS

GEORGE E. PYNCHON

#### COMMISSIONED AS ENSIGNS IN THE UNITED STATES NAVAL RESERVE

JOHN J. COSTELLO JOSEPH E. ERRAMOUSPE NORMAN R. HOWSE BERNARD F. RASH ROBERT G. TATE LEONARD J. UNZICKER CLARENCE S. VAUGHT

## UNITED STATES MARINE CORPS RESERVE COMMISSIONED AS SECOND LIEUTENANTS IN THE

DONALD E. ERICKSON LARRY M. JEPPESEN STEVEN D. SYMMS

## TO BE COMMISSIONED ENSIGN IN THE UNITED STATES NAVY UPON COMPLETION OF SUMMER TRAINING

DAVID W. DAMON

#### TO BE COMMISSIONED IN THE AIR FORCE RESERVE

GEORGE A. GAILEY
JOHN E. GREENSTREET
DENNIS B. HAGUE
JIMMY D. KEMPTON
ARTHUR J. LINDEMER, JR.

GERALD G. STEELE GARY L. THOMPSON JOHN R. TURNER JAMES R. WRIGHT

## Citations of Merit Upon Retirement

A. W. FAHRENWALD Research Professor in Mining and Metallurgy

J. M. RAEDER
Professor of Plant Pathology and Plant Pathologist

## Honorary Degrees

Doctor of Literature

Ernest K. Lindley, Washington, D.C.

Doctor of Science

H. Myrl Stearns, Palo Alto, Calif.

## Special Awards to Graduating Seniors

AIR FORCE ASSOCIATION AWARD—Cadet Lt. Col. James Reuben Wright, Gooding, has been awarded the annual Air Force Association Silver Medal Award for outstanding leadership, military demeanor, scholastic achievement in general and military subjects, including summer camp field work.

AMERICAN ASSOCIATION OF UNIVERSITY WOMEN (Moscow Branch)—The local Moscow Branch of the A.A.U.W. presents a one year membership in A.A.U.W. to an outstanding senior woman. For 1960 this award has gone to Elaine Hieber Baxter, Moscow.

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS—This society presents a gold key and certificate, as an honor award for conspicuous student activity, to senior members of the student chapter. Selected to receive the award this year were: William K. Andersen, Moscow, and Donald R. Gradwohl, Caldwell.

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS AWARD—This society awards a certificate, a badge of membership, and a subscription to the society's technical publication to the member of the student chapter making the highest scholastic average for the freshman and sophomore years. H. Edward Gimpel, Rigby, won the award for the current class.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS AWARD—The American Institute of Electrical Engineers awards a certificate of recognition to the graduating senior who makes the most outstanding contribution to the student branch of the Institute. The winner of this award for 1960 was Cleo Dale Anderson, Moscow.

AMERICAN LEGION DUDLEY LOOMIS POST AWARD—The Dudley Loomis Post No. 6 gives an annual award of a complete set of insignia to the outstanding Army ROTC graduate. The winner of this award for 1960 was Cadet Col. Kent C. Harrison, Moscow.

AMERICAN LEGION DUDLEY LOOMIS POST AWARD—The Dudley Loomis Post No. 6 gives an annual award of a complete set of insignia to the outstanding Naval ROTC graduate. The 1960 recipient of this award was Midshipman Karl Claude Bittenbender, Arlington, Virginia.

AMERICAN LEGION DUDLEY LOOMIS POST INSIGNIA SET—Cadet Col. Dennis B. Hague, Kellogg, has been awarded the American Legion Dudley Loomis Post Insignia Set as an outstanding Air Science 4 ROTC Cadet Officer for demonstrated leadership and scholastic achievement.

AMERICAN SOCIETY OF CIVIL ENGINEERS AWARD—The Spokane Section of the American Society of Civil Engineers makes an award to the civil engineering senior who has written the best paper on an engineering subject. The winner of this award for 1960 was Leo D. Tafolla, Mullan. The Columbia Section made awards for outstanding contributions to the Idaho student chapter to Eldon D. Klein, Moscow, and Robert N. Tucker, Moscow.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS AWARD—The Inland Empire Section of this Society awards associate memberships in the Organization and cash prizes to graduating mechanical engineering students who present the best papers before the Section in competition with students from Washington State University, Montana State College, and Gonzaga University. The winner for 1960 was: David L. Clements, Moscow. In the Pacific Northwest Regional Conference winning paper awards went to: David L. Clements, Moscow, and Richard D. Rice, Troy.

AMERICAN SOCIETY FOR TESTING MATERIALS—This society awarded complimentary student memberships for the 1959-60 academic year to five engineering students. They were: Kenneth J. Brust, Lewiston, H. Edward Gimpel, Rigby, Eldon D. Klein, Moscow, John G. Standley, Moscow, and Richard C. McCool, Rupert.

ARMED FORCES COMMUNICATIONS AND ELECTRONICS ASSOCIATION AWARD—Cadet Lt. Col. Gerald Gregg Steele, Nampa, has been awarded the 1960 Armed Forces Communications and Electronics Association Award for an outstanding senior AFROTC Cadet majoring in Electrical Engineering.

ARMED FORCES COMMUNICATIONS AND ELECTRONICS ASSOCIATION AWARD—This medal is awarded to the Army ROTC senior majoring in Electrical Engineering who has demonstrated outstanding qualities of military leadership, high moral character, aptitude for military service and has distinguished himself through his accomplishments in recognized campus activities. The winner of this award for 1960 was Cadet Major George K. Lim, Salt Lake City, Utah.

ARMY ROTC DISTINGUISHED SENIOR AWARD—The Army ROTC presents a Gold Medal Award to the most distinguished senior Army ROTC student, based on leadership and scholarship for the academic year. The winner of this award for 1960 was Cadet Lt. Col. Bruce G. Summers, Boise.

ATTIC CLUB ART PRIZES—The Attic Club, an organization of Art and Architectural students, provides annually \$150 to be divided into three prizes each for juniors and seniors in Art. Winners are selected by jury on basis of work accomplished in the respective years. The three seniors winning this award for 1960 were: Ronald Goodwin, Sandpoint; Sandra Summerfield, Moscow; and George Bertonneau, Altadena, California.

Balfour Award—Dennis Foucher of Boise has been named the outstanding senior in the Sigma Chi Province including Eastern Washington, Idaho, and Montana.

BOYER PLAQUE—Mrs. Katy Boyer has provided a plaque upon which is engraved the name of the senior woman graduating with a major in Physical Education who has the highest four-year scholastic average. Sue Ernst Feltman, Spokane, Washington, was the winner of this honor for 1960.

CONVAIR AWARD—The Convair Division of General Dynamics Corporation has created an annual award for scholarship and interest in aviation to be awarded to a graduating Naval ROTC midshipman. The award consists of a miniature Convair airplane and a certificate of merit. The 1960 recipient of this award was Midshipman Leonard John Unzicker, Buhl.

DAUGHTERS OF AMERICAN REVOLUTION NAVAL ROTC AWARD—A plaque has been presented by the Idaho Daughters of the American Revolution for an annual NROTC 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 University NROTC program is inscribed on this plaque. The 1960 recipient of this award was Midshipman Gerald Eugene Gneckow, Streator, Illinois.

DISTINGUISHED AIR FORCE ROTC GRADUATE CERTIFICATE—This certificate is awarded to selected graduates who have completed the AFROTC program in an exemplary manner. The distinguished graduates for 1960 were: Cadet Lt. Col. Jimmy Delloyd Kempton, Albion; Cadet Lt. Col. Gerald Gregg Steele, Nampa; Cadet Lt. Col. James Reuben Wright, Gooding.

Hamilton Watch Award—The Hamilton Watch Company has established an award to encourage greater understanding of the social sciences and humanities among engineering students. The award, an engraved Hamilton watch, is to be presented to the graduating engineering senior who has most successfully combined proficiency in his major field of study with notable achievements in the social sciences and humanities. The award this year went to Leo D. Tafolla, Mullan.

Anna H. Hayes Memorial Award—The Idaho Congress of Parents and Teachers makes an annual cash award to an outstanding graduating senior in Education in one of the state's higher educational institutions. The winner of a \$25 award this year was Edna Mae Jones Neal, Malad.

NORMAN F. HINDLE AWARD—This award is in memory of Professor N. F. Hindle, former Head of the Mechanical Engineering Department. It is in the form of a plaque, and a gift is made annually to an outstanding mechanical engineering student. Winner of the 1960 award was Gerald J. Rohwein, Cottonwood.

IDAHO CONGRESS OF PARENTS AND TEACHERS—This state educational organization makes annual awards of certificates of merit to outstanding graduates in Education. The awards this year have gone to Nancy Gayle Wilmuth, San Bernardino, California, and Earl Ethridge Owen, Palouse, Washington.

IDAHO EDUCATION ASSOCIATION—This association has presented a permanent plaque to the College of Education. Each year there is engraved upon it the name of an outstanding graduate in Education who is a member of the Student National Education Association. The award for 1960 has gone to Judith Ellen Conger, Sacto, California.

IDAHONIAN ATHLETIC MERIT AWARD—The Daily Idahonian presented the University with a plaque upon which is inscribed annually the name of the athlete who has contributed most to the good of the team and the sport in which he participated. The recipient of this award for 1960 was Dean Vernal Baxter, Blackfoot.

IDAHO SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS—This society has provided a plaque upon which is inscribed the name of the outstanding senior majoring in accounting. The society also presents a key to be awarded to this same senior. For 1960, this award has been made to Kelvin Roberts, Moscow.

INDUSTRIAL PRESS AWARD—The publishers of Machinery Magazine award annually a copy of Machinery's Handbook to the outstanding senior in machine design. The award this year went to Gerald J. Rohwein, Cottonwood.

INSTITUTE OF RADIO ENGINEERS AWARD—The Institute of Radio Engineers awards a certificate of recognition to the graduating senior who makes the most outstanding contribution to the student branch of the Institute. The winner of this award for 1960 was Lee David Hustead, Moscow.

LAWYERS' TITLE AWARD—The Lawyers' Title Insurance Corporation offers an annual prize of \$100 to the graduating senior who is most proficient in Real Property Law. The 1960 senior receiving the above award was Jim Christensen, Idaho Falls.

MERCK CHEMICAL COMPANY AWARDS—Copies of the "Merck Index of Chemicals and Drugs" were awarded to James R. Wright, Gooding, for being the outstanding senior chemistry major, and to Harold E. Gimpel, Rigby, for being the outstanding senior chemical engineering major.

Moscow Naval Reserve Company Award—The Moscow Naval Reserve Company No. 13-37 has created an annual award to be presented to the outstanding graduating NROTC contract midshipman. The award consists of a plaque upon which each year is inscribed the name of the midshipman so honored and a one-year subscription to the Navy Times. The 1960 recipient of this award was Midshipman Leonard John Unzicker, Buhl.

NAVAL ROTC GOLD MEDAL AWARD—The NROTC Unit gives an annual award consisting of a gold medal to the graduating Midshipman who during his First Class year receives the highest combined mark for scholastic achievement in Naval Science and aptitude for military service. The 1960 recipient of this award was Midshipman Gerald Eugene Gneckow, Streator, Illinois.

NORTH IDAHO FORESTRY ASSOCIATION AWARD—This award is presented each year to the senior graduating from the College of Forestry whose prospect of future professional achievement is most promising. The award consists of an engraved wrist watch. For 1960, Donald L. Hauxwell, McCook, Nebraska, was selected to receive this honor.

PHI ALPHA DELTA AWARD—This national professional legal fraternity engraves each year on the William E. Borah memorial plaque the name of the member of the graduating class who has made the highest scholastic average during the first five semesters of the law course. This year the honor has gone to Robert Mickey Turnbow, Kellogg.

PHI DELTA KAPPA—The University of Idaho Chapter of this National Professional Fraternity in Education makes two awards of \$50 each to one undergraduate male and to one graduate male in Education. For 1960, Herbert Donald Fritzley (graduating senior), Moscow, and Don Duane Vogler (graduate), Lovelock, Nevada, were selected for these awards.

RIFLE TEAM AWARD—This award was provided by the Idaho AFROTC and presented to a member for outstanding marksmanship, team loyalty and as the member contributing most to team effectiveness. The graduating senior who received this award for 1960 was Cadet Lt. Col. Jimmy Delloyd Kempton, Albion.

SIGMA ALPHA IOTA AWARD—This award is given to the graduating senior girl in Sigma Alpha Iota, women's national music fraternity, with the highest cumulative grade point for her college career. For 1960 this award has gone to Anne Marie Lyons, Kellogg.

SIGMA DELTA CHI CERTIFICATE—This national professional journalism fraternity designates a graduating student to receive a certificate of merit as the outstanding male graduate in journalism. For 1960 two seniors received this award. They were: James C. Flanigan, Emmett, and Dwight A. Chapin, Lewiston.

SIGMA DELTA CHI SCHOLARSHIP AWARD—This award, which consists of a certificate of merit, is made to a graduate in journalism who stands in the upper 5 per cent scholastically in his or her graduating class. The entire college record in all subjects is considered. The winner for 1960 was Donald Ernest Erickson, Moscow, Idaho.

J. R. SIMPLOT AWARD—The J. R. Simplot Company makes available a \$100 cash award and certificate which is presented annually to the student in the College of Mines showing the greatest promise and achievement. This award has gone to William Larry Orton, Calgary, Alberta.

Society of Automotive Engineers—The Spokane-Intermountain Section of this society awards cash prizes to graduating engineering students who present the best papers before the section in competition with students from Washington State University and Gonzaga University. Winner of one of the awards for 1960 was D. Robert Evans, Malad.

Superior Senior Cadet Ribbon Award—The Department of the Army presents annually a ribbon and certificate to the outstanding Senior cadet based on military and academic leadership, military and academic scholarship, and demonstrated qualities of discipline, courtesy and character. The winner of this award for 1960 was Cadet Lt. Col. Gordon D. Goff, Rupert.

ARTHUR L. SWIM AWARD—This award is made to a 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. For 1960 this award has been made to Sandra Joan Summerfield, Moscow, Idaho.

W. A. Tarr Award—Sigma Gamma Epsilon, national professional earth science society, presents a certificate known as the W. A. Tarr Award to the student graduating in one of the earth sciences who is outstanding in scholarship, leadership and personality. The winner of this award for 1960 was W. Larry Orton, Calgary, Alberta.

U.B.E.A.-SMEAD PROFESSIONAL AWARD—The United Business Education Association in cooperation with the Smead Manufacturing Company offers an Award of Merit for Outstanding Achievement in Business Education. The Award winner is determined by vote of the seniors majoring in business teacher education. The 1960 award was won by Cheryl Anne VanSlate, Coeur d'Alene.

United States Naval Institute Awards—One year memberships in the Naval Institute and subscriptions to the Naval Institute Proceedings are awarded annually to the graduating Regular Midshipman and the graduating Contract Midshipman who have achieved the highest scholastic averages while in the NROTC program. The 1960 recipients of these awards were: Regular Midshipman Karl Claude Bittenbender, Arlington, Virginia, and Contract Midshipman Leonard John Unzicker, Buhl.

Wall Street Journal Award—The Wall Street Journal provides a medal and subscription to the Wall Street Journal to be awarded to a senior graduating from the College of Business Administration. This award is made on the basis of outstanding achievement in college work. For 1960, the recipient was David R. Munn, Twin Falls.

XI SIGMA PI AWARD—This national forestry honorary presents each year to the outstanding senior graduating from the College of Forestry an award consisting of the initial membership fee in a professional society. Selection for this award is made on the basis of scholarship, personality, participation in student affairs and promise of future achievement. For 1960, Kaye Franklin McElwain, Moscow, was selected to receive this honor.

## 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.

CHARLES A. ADAMS—Charles A. Adams, Boise, gave \$500 to the College of Business Administration for the purchase of library materials.

ALUMINUM COMPANY OF AMERICA—The Aluminum Company of America presented \$625 for the establishment of an Alcoa Foundation scholarship in the field of engineering.

AMERICAN CYANAMID COMPANY—The American Cyanamid Company donated drugs, chemicals and a \$2,000 grant for research on sheep diseases.

AMERICAN DAIRY ASSOCIATION—A grant of \$3,300 for studies on consumer preferences for dairy products was provided by the American Dairy Association.

AMERICAN INSTITUTE OF ARCHITECTS—The American Institute of Architects provided \$167.38 for travel expenses for a student delegate to a meeting of the institute.

Anonymous Donor—\$1,000, the income from which is to be used as a scholar-ship fund, the recipient to be designated within the unlimited discretion of the Dean of the College of Law. This scholarship is to be known as the Charles Hamilton Darling Scholarship. Charles Hamilton Darling received his LL.B. from the College of Law in 1921.

Dr. Wilbur H. S. Bohm—Dr. Wilbur H. S. Bohm, D.O., Edwardsville, Ill., presented \$5 toward the Dr. Alley Memorial Scholarship fund.

Boise Cascade Corporation—A grant of \$228.13 for research on bark compost as a soil conditioner was made by the Boise Cascade Corporation.

ALFRED W. Bowers—Alfred W. Bowers, Associate Professor of Anthropology and Sociology, presented the University Museum with two Mimbres vessels from New Mexico and a modern Zuni vessel.

WILLIAM BRIESEMEISTER—William Briesemeister of the American Geographical Society presented the College of Mines with a group of large maps including the new International Geophysical Year map of Antarctica.

Dr. C. J. Brosnan—Dr. C. J. Brosnan, Sacramento, Calif., gave 73 notebooks containing research materials on early Idaho history, 83 pictures and two manuscripts on pioneer history.

CACHE VALLEY BREEDING ASSOCIATION—The Cache Valley Breeding Association presented \$150 to aid in the expenses of the Dairy Cattle Judging Team.

California-Pacific Utilities Company—This company contributed \$92 toward the Idaho Farm Electrification committee for research in farm electrification.

CHEMICAL RUBBER PUBLISHING COMPANY—Copies of "Chemical and Physics Handbook" for presentation to the top students in first year chemistry and first year physics. The chemistry award was won by Corder C. Campbell, Nampa, and the physics award by W. R. Kindley, Indianapolis, Ind. They also provide a mathematics award which was won by Terry Morgan, Sandpoint.

CHEMICAL SOLVENTS CORPORATION—Chemical Solvents Corporation provided 400 pounds of Silotracin for use in silage preservation.

CHICAGO, MILWAUKEE AND ST. PAUL RAILROAD—This railroad donated \$500 toward the National 4-H Club Congress.

COLERA MINING COMPANY—The Colera Mining Company of Cobalt presented the College of Mines with a large collection of ore minerals.

Mr. AND Mrs. Archie Coombes—The sum of \$25 was given to the College of Forestry by Mr. and Mrs. Archie Coombes of Rossland, B.C., for the purchase of items of student use.

Dale G. Crawford—Maps and field studies of the Coeur d'Alene area, made by Jack R. Divers of Kellogg, were given to the University Library by Dale G. Crawford, Spokane, Wash.

Mrs. Lucy Mix Day, Jerome J. Day, Jerome J. Day, Jr. and Bernice Day Sharkey—A total of 526 volumes from the famed Jerome J. Day library were given to the University of Idaho Library.

JOHN DEERE COMPANY—John Deere Company presented cut-away models of a Waterlow row crop power steering unit, a 7-20 diesel engine, a model 80 power steering unit, a John Deere model 520 cylinder head, a model 720 transmission unit, a model 60 transmission unit and a model 60 powr-trol and live-power take-off clutch unit for use as teaching aids in Agricultural Engineering.

Delta Gamma Mother's Club—This Moscow group provided \$136 for use of the University Blind Fund.

Dow Chemical Company—The Dow Chemical Company presented \$10 as a matching gift of the contribution of James E. Huff.

EASTERN IDAHO PRODUCTION CREDIT ASSOCIATION—This Pocatello association participated in the purchase and installation of an incinerator at the Veterinary Research building at the Caldwell Branch Experiment Station.

A. W. Fahrenwald—A. W. Fahrenwald, Dean Emeritus of the College of Mines, presented the college with a crusher, sieve shaker, classifier, and flotation machines valued at \$2,960. Dean Fahrenwald is well-known throughout the mining world for his numerous inventions in the field.

FIRST SECURITY FOUNDATION—A gift of \$200 for the library of the College of Busness Administration was given by the First Security Foundation.

R. T. French Company—A gift of \$1,200 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

Dr. Thomas C. Galloway (Evanston, Ill., United Fund)—Dr. Thomas C. Galloway, graduate of the University in the class of 1907, well-known for his work with bulbar poliomeylitis, presented a designated gift through the Evanston United Fund of \$1,000 for the Alumni Scholarship Fund.

Gamma Phi Beta Alumni—A 15-piece silver service for use in receptions was presented to the University by Gamma Phi Beta sorority alumni during their golden anniversary observance on the campus.

General Electric Corporate Alumnus Fund—The following University of Idaho alumni made gifts to the University under the employe matching program of the General Electric Corporate Alumnus Fund. The College of Engineering received \$100 from Hugh C. Carroll. Norman F. Hindle Memorial gifts were received from Ralph V. Dulin, \$25; John F. Nesbitt, \$10; George T. Haugland, \$20; Gentry Wade, \$20; Elmer Johnston, \$50 and John E. Hansen, \$5. Making Alumni Fund contributions were George Drenker, \$25; Marvin H. Schack, \$10; E. J. Airola, \$25; G. W. Pomeroy, \$5; Robert Brighton, \$25, and Keith Dedrick, \$5. This firm matches any cash gift up to \$1,000 by the employe to his alma mater.

GENERAL ELECTRIC FOUNDATION—The General Electric Foundation presented \$225 to match Alumni Fund contributions of \$85 and Norman Hindle Memorial contributions of \$140. The late Professor Hindle was former head of the Mechanical Engineering Department.

R. L. GILBERTSON—This former member of the faculty presented a collection of more than 1,000 specimens of wood-rotting fungi to the College of Forestry. The collection should provide a valuable reference for future research on decay of timber.

WILLIAM G. GNAEDINGER—William G. Gnaedinger, Pullman, Wash., gave a \$10 contribution to the Lambda Chi Alpha leadership award fund.

EDWIN J. GOWANLOCK—Edwin J. Gowanlock, Spokane, Wash., presented the Business Office with a subscription to the Wiesenberger Investment Report.

GREAT NORTHERN RAILROAD—The Great Northern Railroad donated \$50 toward the State 4-H Club Congress.

Gordon Hauck—The sum of \$153 was given to the Lambda Chi Alpha Leadership Award fund by Mr. Gordon Hauck, Portland, Ore.

G. B. Hodgins—G. B. Hodgins, Moscow, presented the University Archives with several hundred negatives of University scenes taken by photographer Charlie Dimond for Hodgins Drug Store.

JAMES E. HUFF—James E. Huff, Midland, Mich., presented \$10 to the Alumni Scholarship Endowment & Loan Fund to be matched by the Dow Chemical Company.

HUMMEL, HUMMEL & Jones—This Boise architecture firm presented the Department of Art and Architecture with \$100 for junior design competition prizes.

IDAHO AD CLUB MEMORIAL SCHOLARSHIP FUND—The sum of \$3,000 in support of recruiting for the athletic program was presented by this Moscow Trust.

IDAHO BEAN COMMISSION—Funds were provided by the Idaho Bean Commission for purchase of a high-grade centrifuge, an ultramictotome and a lyophilization apparatus to be used in research studies on bean diseases in Idaho.

IDAHO CATTLEMEN'S ASSOCIATION—The Idaho Cattlemen's Association presented \$100 for the National 4-H Club Congress.

IDAHO COOPERATIVE COUNCIL—The Idaho Cooperative Council gave \$1,200 to the University for awards to 4-H and FFA youth.

IDAHO DAIRYMEN'S ASSOCIATION—This association presented \$175 toward the National 4-H Club Congress.

IDAHO DEPARTMENT OF HIGHWAYS—The Idaho Department of Highways provided planning and design reports for student use in the College of Engineering.

IDAHO FLORIST ASSOCIATION—This Association presented \$140 for the State 4-H Club Congress.

IDAHO FROZEN FOODS, INC.—A gift of \$100 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

Idaho Hop Commission—A grant of \$4,000 to support research on hops was provided by the Idaho Hop Commission.

IDAHO LIVESTOCK PRODUCTION CREDIT ASSOCIATION—This Boise association participated in the purchase and installation of an incinerator at the Veterinary Research Building at the Caldwell Branch Experiment Station.

IDAHO NOXIOUS WEED ASSOCIATION—This association gave \$70 for the State 4-H Club Congress.

IDAHO POTATO AND ONION COMMISSION—This commission presented the University with \$5,000 for research on storage losses and mechanical injury to potatoes, and a grant of \$51,000 for a three-year period for two county agents on potato studies in Bingham and Cassia-Minidoka counties.

IDAHO POTATO GROWERS, INC.—A gift of \$1,000 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

IDAHO POTATO PROCESSORS, INC.—A gift of \$600 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

IDAHO POTATO PRODUCERS ASSOCIATION—This association constructed an \$8,500 storage building at the Aberdeen Branch Experiment station for potato storage research, a grant of \$13,612.50 for a two-year period for an extension marketing program on potatoes, a grant of \$6,000 for research on potato leaf roll disease, a grant of \$2,240 for a study of costs and returns of producing potatoes, a grant of \$3,000 for maintenance of foundation seed stocks of potatoes in Idaho, and a grant of \$5,000 to support a study on washing on mechanical injury of potatoes.

IDAHO POTATO STARCH COMPANY—A gift of \$300 was made toward constructing and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

IDAHO POWER COMPANY—The Idaho Power Company, Boise, provided \$7,141.50 for support of the Farm Electrification program and \$1,100 toward the support of the 4-H program for 1960.

IDAHO PRUNE ADVERTISING COMMISSION—A grant of \$2,000 for a three-year study for research on Idaho prunes was made by this commission.

IDAHO SWINE GROWERS ASSOCIATION—This association donated 10 feeders, five automatic waterers and a set of scales for swine testing at the Caldwell Branch Experiment Station and \$25 toward the State 4-H Club Congress.

IDAHO WHEAT COMMISSION AND THE IDAHO WHEAT PRODUCERS ASSOCIATION—These groups are providing funds totaling \$24,000 for research for a three-year period on wheat breeding, wheat quality and wheat diseases in Idaho.

IDAHO WOOL GROWER'S ASSOCIATION—The Idaho Wool Grower's Association gave \$100 toward the National 4-H Club Congress.

ILLUMINATING ENGINEERING SOCIETY—The Inland Empire Chapter of this society has donated a copy of the third edition of its lighting handbook to the College of Engineering.

INTERNATIONAL HARVESTER COMPANY—A new six-cylinder gasoline engine was given to the Agricultural Engineering Department for use in class studies and research.

Mr. AND Mrs. ROYAL N. IRVING—Mr. and Mrs. Royal N. Irving, Tucson, Ariz., presented \$75 to the Alumni Fund and \$25 to the Vandal Boosters.

Mr. and Mrs. Talbot Jennings—A gift of 86 books was received by the University Library from Mr. and Mrs. Talbot Jennings, East Glacier Park, Mont. A noted movie and television writer, Mr. Jennings is a graduate of the University of Idaho.

Kaiser Aluminum and Chemical Corporation—This corporation presented the Electrical Engineering Department with an unrestricted grant of \$750. A number of technical publications were also donated.

James F. Lincoln Arc Welding Company—This company has provided and maintains a welding library situated in the College of Engineering reading room 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.

THOMAS B. LINTON—Thomas B. Linton, a former student, presented a Kartron device to the College of Engineering for use by the Electrical Engineering Department.

RICHARD MAGNUSON—Richard Magnuson, Wallace attorney, presented the Library and Archives with 34 items including pamphlets, stamps and broadsides of Idaho historical significance.

MALTING BARLEY ASSOCIATION—This association provided a grant of \$2,500 for establishment of a research fellowship in breeding of malting barley.

McGraw-Hill Gift Program—The McGraw-Hill Publishing Company, Inc., New York, matched the sum of \$5 presented to the Alumni Fund by A. M. Erlick, Hewlett, N.Y., under its gift program.

Merck & Company—Miscellaneous vitamins and chemicals for research in human nutrition were provided by Merck & Company.

Monsanto Chemical Company—The Monsanto Chemical Company donated various quantities of chemicals for research in swine nutrition. This company made a \$5,000 grant to support research on the effect of fluorine on plants and plant metabolism.

NATIONAL SCIENCE FOUNDATION—Funds totaling \$74,200 were provided for the summer institute for high school teachers of science and mathematics and \$41,400 for the summer institute for high school mathematics teachers.

E. B. NEWSOME AND CLARENCE O. MERCER—Moscow insurance men E. B. Newsome and Clarence O. Mercer established a real estate scholarship with a gift of \$200.

NORTHERN PACIFIC RAILROAD—The Northern Pacific Railroad gave \$175 for the State 4-H Club Congress.

OREGON-IDAHO POTATO PRODUCTS, INC.—A gift of \$900 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

PACIFIC COAST ABERDEEN ANGUS ASSOCIATION—The women's auxiliary of this association presented \$50 for the State 4-H Club Congress.

PACIFIC POWER & LIGHT COMPANY—This company contributed \$161 to the Idaho Farm Electrification committee for research in farm electrification.

PAYETTE RIVER CATTLEMEN'S ASSOCIATION—This group presented \$100 for four 4-H Club Congress scholarships.

J. C Penney Company—The J. C. Penney Company donated \$210 toward the National 4-H Club Congress.

PERPETUAL SECURITY LIFE INSURANCE COMPANY—This Boise company established a \$900 scholarship for a member of the University of Idaho football team.

CHARLES PFIZER & COMPANY—This company donated various hormones, antibiotics, tranquilizers and other chemicals for animal research.

PHILLIPS PETROLEUM COMPANY—This Bartlesville, Okla., company presented the College of Engineering with \$2,500 to continue a fellowship for research on the use of asphalt in the prevention of aggregate degradation in the sub-bases of highways.

PITMAN-MOORE COMPANY—Steroid hormones valued at \$2,500 for dairy cattle research were given by the Pitman-Moore Company.

POTLATCH FORESTS, INC.—Potlatch Forests, Inc., of Lewiston gave the University Library a three-volume "History of Idaho" published by the Lewis Historical Publishing company, and \$100 for the State 4-H Club Congress. A \$1,700 research grant to the Colleges of Agriculture and Forestry was made by the Potlatch Forests, Inc., for research on bark base fertilizers.

Mrs. INEZ CALLOWAY ROBE—Famed syndicated columnist Mrs. Inez Calloway Robb of New York established a scholarship in her name of \$300 for use of a student majoring in the College of Letters and Science.

ROGERS BROS. SEED Co., INC.—A gift of \$1,200 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

F. F. Sadler—The Student Emergency Fund received \$60 from F. F. Sadler, Spokane, Wash.

SCABBARD AND BLADE—A 50-star United States flag was presented to the University by Scabbard and Blade, national student military honorary.

SEARS ROEBUCK FOUNDATION—The Sears Roebuck Foundation presented \$600 toward the National 4-H Conference.

SHELL OIL COMPANY—The Shell Oil Company provided two \$500 grants, one for research on insects and one for research on plant diseases.

Joe Shephard—The University Museum received an Indian bag of cedar bark and three large stone knives from Joe Shephard of Hollister.

THEODORE A. SHERMAN—Theodore A. Sherman, Professor of English, presented the University with an Indian war club.

J. R. SIMPLOT COMPANY—A gift of \$1,500 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

SIMON AND SCHUSTER—Simon and Schuster donated a four-volume set of "The World of Mathematics" as first prize in the annual freshman mathematics competition. Winner this year was Darrell Turnidge, Moscow.

Mrs. Jessie H. Smith—Mrs. Jessie H. Smith of Pocatello presented \$100 for the continuation of the Sarah Hutchinson award.

SOUTHERN IDAHO PRODUCTION CREDIT ASSOCIATION—This Twin Falls association participated in the purchase and installation of an incinerator at the Veterinary Research building at the Caldwell Branch Experiment Station.

E. R. Squibb Company provided steroid hormones valued at \$2,000 for research on dairy cattle.

STAUFFER CHEMICAL COMPANY—This company gave a \$500 grant-in-aid for research in Entomology.

C. R. STILLINGER—A total of 756 sheets of plants representing 59 different species of currants and gooseberries was given to the University Herbarium by C. R. Stillinger of Moscow.

SUNSPICED VEGETABLES, Inc.—A gift of \$1,200 was made toward construction and equipping of a potato research storage building at the Aberdeen Branch Experiment Station.

SWIFT AND COMPANY—Chemicals and formulated feeds for animal nutrition research were provided by Swift & Company.

C. J. TAYLOR—The Honorable C. J. Taylor, Chief Justice, Supreme Court of Idaho, gave the College of Law five sets of Idaho Reports.

THE TEXAS COMPANY—The Texas Company, Casper, Wyo., presented seven transmitters, meters and recorders to the College of Engineering Instruments laboratory.

THIRTEENTH NAVAL DISTRICT—A complete set of plans and specifications for the dry dock at Puget Sound Naval Shipyard has been given to the Civil Engineering Department.

Union Pacific Railroad Company—A grant of \$2,100 for a potato disease fellowship in the Department of Plant Pathology was provided by the Union Pacific Railroad Company.

UPPER SNAKE RIVER DAIRYMEN'S ASSOCIATION—This association gave \$300 for the State 4-H Club Congress.

U.S. ATOMIC ENERGY COMMISSION—The U.S. Atomic Energy Commission presented the University with the sum of \$19,658 for the purchase of special equipment for the Department of Physical Sciences.

U.S. Corps of Engineers—The Walla Walla district of the U.S. Corps of Engineers presented the College of Engineering with \$1,000 for study on telemetering of hydrologic data.

UTAH POWER AND LIGHT COMPANY—Utah Power and Light Company, Rexburg, provided \$1,190.25 for support of the Farm Electrification program.

Washington Water Power Company—Washington Water Power Company of Spokane, Wash., presented the University with \$3,570.75 in support of the Farm Electrification program and \$216 for Farm Electrification leaflets. The company also gave \$1,000 to the College of Engineering for use in research on the telemetering of hydrologic data. The Moscow office gave \$100 for use toward boys and girls club activities and \$500 for the State 4-H Club Congress.

WESTERN ELECTRIC COMPANY—Western Electric Company gave a wave motion machine for use as a teaching aid to the Electrical Engineering Department through its college gift program. Several items of used equipment were donated to the College of Engineering through its College Gift Program.

Western Idaho Production Credit Association—This Caldwell association participated in the purchase and installation of an incinerator at the Veterinary Research building at the Caldwell Branch Experiment Station.

Westinghouse Educational Foundation—A generalized machine laboratory set valued at more than \$3,000 was presented to the Electrical Engineering Department as a teaching aid by this foundation.

Mrs. Donald S. Whitehead—A total of 32 books were given to the University Library by Mrs. Donald S. Whitehead of Boise.

Mrs. Mary Jean Whitson—A picture of the fire which destroyed the original University of Idaho Administration building in 1906 and a photograph of the building taken before the blaze were presented to the Archives by Mrs. Mary Jean Whitson, an employe of the Athletic Department.

## Scholarships

ACME MACHINE WORKS (FILER)-Donald Berkey, Filer

ALCOA METALLURGY-WILLIAM ORTON, Calgary, Alta.

ALLIED DAILIES-DWIGHT CHAPIN, Lewiston

ALUMNI ASSOCIATION—

Susan Arms, Payette Lynne Hallvik, Boise Kay Vosika, Kimberly NANCY VOSIKA, Kimberly SUSAN WILEY, Weiser

AMERICAN BUSINESS CLUBS-CAROLE LIPSCOMB, Hailey

AMERICAN MARIETTA-Gary A. Carlson, Boise

AMERICAN MISSIONARY ASSOCIATION—ELBERTA TRUCHOT, Fort Hall

ANONYMOUS-

ARDITH CHASE, Lewiston LARRY ELD, Donnelly LESLIE FALEN, Jordan Valley BRUCE GESSEL, Idaho Falls LYNN SEELEY, Ashton ANITA STITH, Boise ELEANOR UNZICKER, Buhl

ARNOLD AIR SOCIETY-MARK HOLBROOK, Del City, Okla.

ASARCO-GEORGE ROBERT SYRING, Allen Park, Mich.

AMERICAN SOCIETY FOR METALS-MILTON PETERSEN, Albion

ATTIC CLUB-MARILYN DREIER, Sandpoint

AWS-CONNIE BLOCK, Jerome

BOISE ALUMNI-JERRY OKESON, Boise

ROBERT E. BOLLINGER MEMORIAL—ISABEL WOODS, Lewiston

BOISE PANHELLENIC-ANITA STITH, Boise

BONNER COUNTY TEACHER SCHOLARSHIP FUND-JOY HENSLEY, Athol

BOUNDARY COUNTY-

ROY GATHERERS, Eastport DONALD LEE, Bonners Ferry ROBERT WALTER, Bonners Ferry

BUREAU OF INDIAN AFFAIRS-ELBERTA TRUCHOT, Fort Hall

COLORADO WOMEN'S COLLEGE-Patrick Dunlap, Denver, Colo.

COLVILLE CONFEDERATED TRIBES-BERTHA COVINGTON, Worley

CONSOLIDATED FREIGHTWAYS-ANITA STITH, Boise

CRAIGMONT CHAMBER OF COMMERCE—SHIRLEY ANDERSON, Craigmont

BETTY CROCKER-MARIE WOOD, Wallace

CROWN-ZELLERBACH—

JOHN BRANDT, Kansas City, Mo.

DONALD HAUXWELL, McCook, Neb.

DAVIS BROTHERS—

CRAIG ALTON, Moscow JANET NAU, Nezperce

W. LEE SCOTT, Moscow

DELTA DELTA DELTA-MARILYN WILSON, Riggins

DELTA GAMMA SCHOLARSHIP FOR THE BLIND-RON E. DECHAMBEAU, Boise

EASTERN STAR—ANNE MARIE LYONS, Kellogg

EASTERN STAR RELIGIOUS LEADERSHIP-

SANGHO CHOE, Seoul, Korea

JOHN BECKWITH, Boise

EDDY BAKERIES COMPANY (POCATELLO)—WILLIAM S. MILLER, Pocatello

GARY ELDER MEMORIAL-John Schwartz, Priest River

ELEMENTARY EDUCATION—

LINDA ENGLE, Lewiston MARILYN HERETH, Lewiston CATHERINE WEISZHAAR, Idaho Falls

ELKS FOUNDATION-ROBERT J. PARKINSON, Jerome

ETHEL STEEL-LINDA EDWARDS, Dietrich

FILER KIWANIS (DILLINGHAM)-JAMES HERRETT, Filer

FIRST SECURITY FOUNDATION—

MERLYN WESLEY CLARK, Moscow

STEPHEN C. SWANSON, Idaho Falls

FORESTERETTES—CECIL BROCK, Moscow

CAROL HOWE FOSTER-DARRELL ROY FERGUSON, Wardner

GAULT HALL MEMORIAL—BRIAN HARRIS, Idaho Falls

GENERAL MOTORS-

KHRISTEEN ALLEN, Hansen DONALD DUNCAN, Moscow ROWENA EIKUM, Lewiston

EARL HALL, Moscow KAREN STEDTFELD, Pocatello

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JAN ALDEN, Boise LUDEL BOYD, Kellogg VAUGHAN ESTRICK, Meridian WAYNE Fox, Moyie Springs SHARON LARSON, Glenns Ferry MARILYN MERRICK, Ashton

JAMES OKESON, Boise PETER REED, Surrey, England SHIRLEY PHILLIPS SCHNIDER, Moscow ROWENA MARGIE SNYDER, Moscow SUZANNA SHERN, Coeur d'Alene KAREL TOPINKA, Moscow

#### GENESEE PTA-LEITHA AHERIN, Genesee

#### CARL RAYMOND GRAY-

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LAURA ALICE GIBBS, McCammon CRYSTAL VIOLA GOULD, Council BARBARA HARRISON, Nampa JOY ALICE HENSLEY, Athol LARRY R. PENNINGTON, Jerome JANET R. SPRENGER, Genesee HOWARD STUTZMAN, Shoshone BETTY J. THIESSEN, Lewiston

#### ALEXANDER HAMILTON BI-CENTENNIAL—GORDON CHESTER, Boise

#### HECLA BUNKER HILL-

DONALD J. BECK, Moscow ALFRED J. BOUCHARD, Kellogg ROLLAND A. BOUCHARD, Kellogg JERRY K. BOYD, Kellogg VICTOR L. BREWER, Wallace DONALD L. BROWN. Donnellson, Iowa ERIC J. CARLSON, Wardner DAVID S. DURHAM, Moscow
DARRELL R. FERGUSON, Wardner
DENNIS B. HAGUE, Kellogg
ROBERT W. HENRY, Wallace
WALLACE M. HUFF, Pinehurst YUNG SAM KIM, Korea JAMES G. LINHART, Kellogg GLEN P. McCurdy, Kellogg MARSHALL J. McFarland, Hansen

PAULA DEANN NELSON, Kellogg NORMA O. NORMAN, Osborne GARY RAY OTT, Kellogg KAY F. SALYER, Pinehurst JANET MARIE SALYER, Pinehurst WARREN M. SALYER, Pinehurst WILLIAM D. SHAVER, Moscow ROBERT L. SMITH, Kellogg Francis G. Sprute, Mullan LEO D. TAFOLLA, Mullan LEO J. WEEKS, Kellogg JEREMY P. WICKS, Coeur d'Alene ROLAND H. WILLIAMS, Moscow LAWRENCE D. WINIARSKI, Kellogg EDWINA LEIGH ZABEL, Kellogg

#### SARAH HUTCHINSON—SHARON LANCE, Idaho Falls

#### IDAHO ASSOCIATION OF FUTURE HOMEMAKERS-

DELORES LLEWELLYN, Lewiston BONNIE McKAY, St. Anthony

JANET SPRENGER, Genesee

IDAHO BEEKEEPERS' ASSOCIATION—JANET SPRENGER, Genesee

IDAHO DAIRYMEN'S ASSOCIATION-JERRY JAEGER, Cambridge

IDAHO FEDERATION OF WOMEN'S CLUBS-KATHLEEN OSBORNE, Coeur d'Alene

#### IDAHO HEART ASSOCIATION-

PATRICIA KAY BOZARTH, Culdesac JIMMY KEMPTON, Moscow Mr. AND Mrs. WILLIAM MITCHELL, Moscou

ROBERT PALMER, Council ROBERT WEST, Blackfoot

IDAHO ICE CREAM MANUFACTURERS' ASSOCIATION—

DANE KIILSGAARD, Bonners Ferry Douglas Park, Mesa, Ariz.

IDAHO MILK PROCESSORS ASSOCIATION—GERALD L. HILL, Bonners Ferry

IDAHO POWER (AG. ENGR.) - LEONARD PURDY, Picabo

MRS. ROYAL IRVING-JUDITH MIDDLETON, Coeur d'Alene

KAISER ALUMINUM AND CHEMICAL CORP.—GARY BLANK, Rockford, Ill.

KIMBERLY-HANSEN-MURTAUGH EDUCATION TRUST, INC .-RONALD HILL, Hansen

#### MR. AND MRS. HENRY B. KINGSBURY-

Laura Doty, Kellogg Sharky Harrison, Mullan RAYMOND VICKERMAN, Wallace

#### LAFAY REXALL DRUG-DELLA SMITH, Council

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#### MacLANE-

ORVIL ATKINSON, St. Anthony JAMES CHRISTENSEN, Moscow SHERMAN HIBBERT, Moscow WILEY HURST, Yakima, Wash.

#### MERCER-NEWSOME—LELAND JARVIS, Grangeville

MONSANTO-HAROLD GIMPEL, Rigby

#### JACOB MONSON-JAMES R. SWAYNE, Orofino

#### MOSCOW LIONS CLUB-

JAMES ARCHIBALD, Troy GARY DOTY, Potlatch LEONARD ELDRIDGE, Kendrick Delores Llewellyn, Lewiston Marilyn Sather, Genesee

#### NATIONAL MERIT CORPORATION-CAROLYN DEMPSEY MITCHELL, Moscow

#### APPLIED MUSIC FEES-

Judith L. Bauman, Bonners Ferry Russell W. Crockett, Montpelier Gerald Doggett, Heyburn Margaret Dunham, Gooding Gary A. Edwards, Coeur d'Alene Fonda Jane Flanigan, Kellogg Sally Ann Maddocks, Spokane, Wash. Rae Belle Patton, Spokane, Wash.

CHESTER R. PETERSON, Lewiston JOHN W. RIDER, Idaho Falls BONNIE M. SNYDER, Weippe RALPH M. STROBEL, Coeur d'Alene BETTY J. TANNAHILL, Lewiston PAULA WEST, Washtucna, Wash. ISABEL J. WOODS, Lewiston

#### NEWS-REVIEW—JAMES METCALF, Nampa

#### OUT-OF-STATE TUITION-

DIANNE BAILEY, Oregon City, Ore.
DAVID BERG, Waukegan, Ill.
DONALD BROWN, Donnellson, Iowa
ALICE COLLINS, Spokane, Wash.
ALICE CONKLIN, Spokane, Wash.
KATHLEEN DANZIERO, Spokane, Wash.
DIANNE DAVIS, Burbank, Calif.
DONALD HAUXWELL, McCook, Neb.
MIHALY HORVATH, Hungary
JUDITH HICKMAN, Ontario, Ore.
LAWRENCE JAMES, Libby, Mont.
YUNG SAM KIM, Korea
CLAUDETTE KUCH, Spokane, Wash.
JUDITH MALMSTEDT, Sparks, Nev.
JILL MATTHIES, Portland, Ore.
WILLIAM S. McDONALD, Seattle, Wash.

ALEXANDRA MIKAILOFF, France
MARILYN MOOERS, Richland, Wash.
DAVID NASH, Spokane, Wash.
WILLIAM ORTON, Calgary, Alta.
DOUGLAS PARK, Mesa, Ariz.
SHARON PRICE, Richfield, Wash.
THORA J. RUNYAN, San Fernando, Calif.
CLIFFORD SCHOFF, Fairfax, Calif.
SUZANNA SIMEON, Aniak, Alaska
ROBERT M. SMITH, Orange, Calif.
DONALD E. SMITH, Spokane, Wash.
JOHN L. TOEVS, JR., Ephrata, Wash.
JOHN TROJANOWSKI, Portage, Wisc.
EDGAR VANDERVORT, Phoenix, Ariz.
MARCY WHITTEN, Spokane, Wash.

## PACIFIC NORTHWEST PLANT FOOD ASSOCIATION—ROBERT NEIL SAMPSON, Spokane, Wash.

#### PEPSI COLA BOTTLERS-ANN MARIE BERRY WORSLEY, Moscow

#### PERPETUAL SECURITY LIFE INSURANCE COMPANY— LEE SHELLMAN, Coeur d'Alene

#### PILLSBURY MILLS-

EDWARD BRYCE, Meridian

ROBERT J. PARKINSON, Jerome

#### POTLATCH FORESTS FOUNDATION-

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LEWIS H. BUTTON, Kooskia
DARREL R. CRAIG, Lewiston
ROBERT A. DAHL, Orofino
CANN, LEE DOWN, Potlatch GARY LEE DOTY, Potlatch RONALD DOVE, Kamiah LINDA S. ENGLE, Lewiston LARRY D. FERGUSON, Lewiston JUDITH FREEMAN, Orofino DAVID L. GALE, Potlatch ROBERT L. HANSEN, Lewiston MARILYN J. HERETH, Lewiston
RONALD J. HIBBELN, Lewiston
ROSALIE D. HOWARD, Coeur d'Alene
MARIE K. JASPERS, Lewiston
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GARRY A. LOEFFLER, Lewiston ROBERT D. McConnell, Moscow Monte C. McMurray, Moscow IDORA LEE MOORE, Lewiston
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RICHARD NUSTAD, Coeur d'Alene
PHILIP OLSON, Lewiston EARL E. OWEN, Palouse, Wash. CHARLENE M. PETERS, Lewiston Norma Pomponio, Elk River JERE-RAE RASMUSSEN, Lewiston
DALLAS E. SEXTON, Harvard
SUZANNA A. SIMEON, Aniak, Alaska
CLIFFORD KENT SMITH, Peck BONNIE M. SNYDER, Weippe CECIL G. STELLYES, Lewiston PAUL STEWART, Lewiston LOREN E. TAYLOR, Lewiston CLINTON TROUT, Lewiston RICHARD VANBUSKIRK, Lewiston DEANNA G. WHITE, Bovill LEROY D. WHITE, Lewiston

POTLATCH FORESTS FOUNDATION FORESTRY (GRADUATE)-NICOLAS TIPPLE, Ghent, N.Y.

POTLATCH FORESTS FOUNDATION CHEMICAL ENGINEERING (GRADUATE) ALVIN TUTEN, Lewiston

POTLATCH PTA-

ELAINE JOHNSON, Potlatch

ALLEN STRONG, Garfield, Wash.

PRESSER FOUNDATION-GEORGIE WILLIS HANSEN, Sommers, Mont.

PRICE MEMORIAL—JOHN SCHWARTZ, Priest River

RALSTON-PURINA-HERBERT GIBSON, Grace

REDLANDS INSURANCE AGENTS—CLINTON OWENS, Redlands, Calif.

ALAN REEB MEMORIAL—Lyle Sasser, Pingree

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Lois Bowers, Moscow DIANNE COINER, Salmon MYRNA HARDER, Jerome

JOEL KOONCE, Fairfield SALLY JO NELSON, Beaverton, Ore. DEAN SORENSON, Blackfoot

INEZ CALLOWAY ROBB-LINDA TALBOTT, Moscow

ROUNDUP GROCERY-JOHN FITZGERALD, Moscow

SANDPOINT NEWS BULLETIN-NEIL Modie, Lewiston

SEARS ROEBUCK FOUNDATION-

SCOTT ANDERSON, Gooding ANGIE ARRIEN, Twin Falls MARIE BRODEEN, Buhl STEVEN L. DAVIS, Sterling
SHERMAN COURTNAY, Twin Falls
EUGENE D. FREDERICKSEN, Gooding
DANIEL ROBINSON, Moscow
H. C. STUDER, Worley
CLYDE R. TRUPP, Sugar City

HOWARD AND LINNIE SHRIVER-JUDITH LIBBY, Coeur d'Alene

J. R. SIMPLOT GRANTS-IN-AID-ROBERT BADGER, Martinez, Calif.

Donald Lee Brown, Donnellson, Iowa

Spinger Am Cho Koroz.

The Robert Badger, Martinez, Calif.

David S. Durham, Moscow

Fredrick T. Grier, Ft. MacLeod, Alta. SEUNG-AM CHO, Korea

HOWARD BRUCE GREEN, McCammon DUANE KIRK, Payette
BONNIE McKay, St. Anthony
DANIEL ROBINSON, Moscow

JACK JIBSON, Declo

JAY E. ORT, Moscow

STANDARD OIL FFA-

JAMES ARCHIBALD, Troy EDWARD H. BRYCE, Meridian ROBERT J. PARKINSON, Jerome

STANDARD OIL 4-H-

ANN MARIE BAUM, Drummond

ROBERT J. WALTER, Bonners Ferry

STANDARD OIL LEADERSHIP-

JACK MACKI, Mullan

LOUISE VANDENBARK, Twin Falls

ST. TERESA'S ACADEMY PTA-VICTORIA PALMER, Boise

STATESMAN NEWSPAPERS—

JAMES FLANIGAN, Emmett

NANCY GRANGE, Arco

DEAN C. STOLL MEMORIAL-DONALD GEORGE LEE, Bonners Ferry

SUNBEAM (4-H)—CAROLYN KUDLAC, Castleford

OZ THOMPSON MEMORIAL-Dale James, Pendleton, Ore.

TITLE INSURANCE COMPANY-JOHN D. FAUCHER, Moscow

TWIN FALLS EXCHANGE CLUB-

LARRY FIKE, Twin Falls

SANDRA HATZFELD, Twin Falls

TWIN FALLS ALTRUSA CLUB-SANDRA HATZFELD, Twin Falls

TWIN FALLS FTA-Argie Arrien, Twin Falls

TWIN FALLS BANK AND TRUST (KIMBERLY BRANCH)—
R. DEAN RIGGS, Murtaugh

UTAH POWER AND LIGHT-LEROY TRUPP, Sugar City

VALLEY (EDEN-HAZELTON) HIGH SCHOOL-RONALD H. JONES, Eden

VALLEY BROOMTAILS (4-H)-Judy Ferrell, Spokane, Wash.

R. M. WADE FOUNDATION-MAX GARDNER, Moscow

WALLACE HIGH SCHOOL NATIONAL HONOR SOCIETY— PATRICIA JOHNSON, Silverton

WASHINGTON WATER POWER (AG. ENGR.)-

JAMES G. STORMS, Plummer

WILLIAM F. WELLER, Moscow

WASHINGTON WATER POWER (HOME EC.)-

LAURA DOTY, Kellogg

LADESSA ROGERS, Moscow

WEISER PTA-BARBARA BAINBRIDGE, Weiser

WEST COAST ELECTRONIC MANUFACTURERS ASSOCIATION-

ROGER ANDERSEN, Meridian

JAMES L. GUNDERSON, Salmon

EVERETT BAILEY, Hansen

WESTVACO-

RICHARD JACOBSEN, Pocatello PAUL KROGUE, Blackfoot KEITH WATENPAUGH, Kuna GLADE WEIGHT, Alameda

WOMEN'S AUXILIARY OF THE IDAHO CATTLEMEN'S ASSOCIATION— Sonja Carlson, Firth

WORMWARD-ROBERT LEROY SMITH, Kellogg

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 chooses, 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.

## In Memoriam

J. E. GRAHAM Regent

ALBERT W. SLIPP
Assistant Professor of Forestry Research