

OREGON STATE UNIVERSITY



## THE ACADEMIC PROCESSIONS

Processional Chief Marshal

The President of the University and Official Guests

The Administrative Council

The Faculties

The Candidates for Advanced Degrees
The Centennial Class/the Class of 1969

Recessional

The order of the Recessional is the reverse of the Processional, the Class of 1969 marching first and the president and Chief Marshal last.

School Colors

Candidates for master's degrees wear black tassels and doctoral candidates wear gold tassels on their caps.

The tassels of the caps of candidates for baccalaureate degrees are in colors distinctive of their schools according to the Academic Costume Code:

Black, gold
White
Golden Yellow
Maize
Drab
Light blue
Orange
Russet
Maroon
Olive green

The flowers in the auditorium are *Eremurus*, commonly called Desert Candle or Fox-tail Lily, provided by the Department of Horticulture.

# The Centennial Commencement

# OREGON STATE UNIVERSITY

2:00 o'clock June 8, 1969

Gill Coliseum
Corvallis, Oregon

THE FIRST COMMENCE-MENTS Corvallis College, the forerunner of Oregon State University, first granted degrees to a class of graduating seniors at its Commencement Exercises on Thursday, June 30, 1870. At that time the degree of Bachelor of Science was conferred upon two men and one woman: James K. P. Currin and Robert McC. Veatch of Cottage Grove and Alice E. Biddle (Moreland) of Corvallis.

In 1871 one man, Hugh McNary Finley of Corvallis—a nephew of Rev. William A. Finley, president of the college—received a Bachelor of Arts degree, and George Frederic Burkhart of Lebanon, James Davis Fountain of Jacksonville, and William Riley Privett, Mary Jane Harris (Whitby), and Frances Jane Kendall (Henkle) of Corvallis received B.S. degrees.

In 1872 Thomas C. Alexander and John B. Eglin of Benton County, Rosa Jacobs (Selling) and Alonzo J. Locke of Corvallis, and James Knox Weatherford of Albany received B.S. degrees. In 1873 the graduating class included Leander N. Liggett of Albany, Clara M. Thayer (Harding) of Corvallis, William Franklin Herrin of Jacksonville, and Oscar L. Ison of Baker City.

THE FIRST ADVANCED DEGREES The first Master of Arts degree was conferred upon Franklin Cauthorn of Corvallis in 1876. In the next ten years additional A.M. degrees were granted to Ernest White of Albany, William E. Yates of Corvallis, William Y. Masters of Portland, and Herbert Kittredge of Monroe.

# DISTINCTIVE

From 1892 to 1900 nearly all degrees conferred had distinctive titles: Bachelor of Scientific Agriculture, Bachelor of Household Economy, Bachelor of Mechanical Engineering, Bachelor of Literary Commerce, and Bachelor of Electrical Engineering. After 1900 the B.S. degree was reinstated as the principal degree awarded.

# **GRADUATE PROGRAMS**

Beginning in 1897, the college announced two-year programs of advanced study leading to the Master of Science, Master of Household Science, and Mechanical Engineer degrees. In 1906 Frank E. Edwards, Class of 1895, William Wicks, Class of 1904, and Mahesh Charan Sinha, a graduate of Allahabad University in India, received Master of Science degrees.

# FIRST PROFESSIONAL DEGREES

Walter Eakin Wade completed the graduate course in engineering in 1907 and received the Mechanical Engineer degree (M.E.). Further professional engineering degrees were granted the next year to Joel Emily (Mechanical Engineer), Wilford Gardner (Civil Engineer), and Samuel Herman Graf (Electrical Engineer).

# FIRST DOCTORATES

The first doctoral degrees were conferred in 1935 when Clarence Burnham of Brigham, Utah, Herbert L. Jones of Corvallis, Karl Klemm of Berkeley, California, and Alfred Taylor of Corvallis received the Doctor of Philosophy degree.

Awarding of the Doctor of Education degree began in 1943 with Myles Houston Ritchie of Vancouver, British Columbia, and continued in 1947 when George Samuel Eby of Stockton, California, William Cyril Osgood of Orissa, India, and Ralph John Wentworth-Rohr of New York, New York, received their Ed.D. degrees.

# CENTENNIAL SUMMARY

In ninety-nine years, this institution, known at various times as Corvallis State Agricultural College, The State Agricultural College of the State of Oregon, Oregon Agricultural College, and Oregon State College before it became Oregon State University in 1961, has granted a total of 51,996 earned degrees, 59 honorary degrees, and 384 certificates of graduation. Bachelor's degrees totaled 43,181, master's degrees 7,499, professional degrees 70, and doctoral degrees 2,246. Those awarded at this Centennial Commencement will swell the total to more than 54,000.

# CENTENNIAL COMMENCEMENT PROGRAM

PRELUDE Piece Heroigue by Cesar Franck

Thomas Roberts, M.M., Organist

**PROCESSIONAL** 

Grand March from Athalia by Felix Mendelssohn

The Oregon State University Concert Band James W. Douglass, M.F.A., Conductor

The audience remains seated throughout the Processional but rises when the Colors enter the auditorium and remains standing until after the posting of the Colors and the Invocation.

The National Anthem

INVOCATION

C. Warren Hovland, Ph.D., Chairman

Department of Religious Studies, Oregon State University

GREETINGS

J. W. Forrester, Jr., President

Oregon State Board of Higher Education

DEGREES/AWARDS

Conferring of baccalaureate degrees

James H. Jensen, Ph.D., President, Oregon State University

Presentation of baccalaureate diplomas

Deans of undergraduate schools

Conferring of advanced degrees

President Jensen

Presentation of Alumni Centennial Awards

President Jensen

OATH OF OFFICE

For newly commissioned officers of the United States Army, United States Navy, United States Marine Corps, and United States Air Force in the graduating class.

ALMA MATER

The audience is invited to rise and join in the singing of Alma Mater by Homer Maris, M.S., Class of 1918.

RECESSIONAL

March of the Students' Legion by B. Smetana

The Oregon State University Concert Band

After the Colors have been carried from the auditorium, the audience will be seated during the Recessional.

CARILLON CONCERT

Professor Roberts at the Console

RECEPTION

President Jensen will be pleased to meet graduates and members of their families at a reception in the Memorial Union Lounge immediately following the Centennial Commencement Exercises.

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# SENIOR HONORS

June 1969

### HUMANITIES AND SOCIAL SCIENCES

Carolyn Hope Wilberger Kathleen Anne Rice Leigh Edith Barry Glenda McLain Green Janice Beverly Brownell John Howard Aro Thomas Ward O'Connor Cornelia Daniela Tashow Dian Rae Pouiade Phillip Gregory Hope Jane Emily Lofsvold Charles Frederick Adams Richard Loval Rush

Judith Evelyn Fontanini Barbara Carol Brackett Patricia Laverne Mover Tom Christian Brown Catherine Keil Watson Jean Fuller Anderson Pamela Kay Brownell David Lee Nofziger Terrill Kay Tower Wilma Grand Chalmers Curtis Brian Maxfield Janet Kerr Gallagher William Donald Enyart

Fred Lee Underwood

Arthur Llewellyn Jenkins Joy Ann Guidry Paula Richter King Roland Paget Woodcock Olivia Lee Smith Larry Jay Barrows Pamela Anne Mullen Patricia Maureen Fitzpatrick Linda Hamilton Barrows Joan Elizabeth Perry Kathleen Henderson Marjorie Anne Jamison Martha Lou Gifford

## David Allen Butler Richard Chace Keniston Wen Nina Hsieh Carole Anne Settles Phillip Roy Gilbertson Linda Diane Fischer Katherine Marie Lange Patricia Jo Coulthard Perry Ernest Camp Susan Gail Birkemeier

Marshall Edward Noel

Judith Kay Mohning

Ruth Lightfoot

James Fredric Johnson

Gregory Eugene Craner Maynard Craig Sandberg

Alice Ann Hamlin Linda Kay Engle Susan Marie Woerndle Larry Lee Strand **Eunice Emily George** Yvonne Yee-Yum Yapp Patricia Ruth Davis Terry Bruce Tri Lyle James Fagnan Paul Joseph Mankowski Steven Jay Harrington Dennis Keith Holverstott Robert Dale Hall Michael Evan Drost Shelly Chee-Yeung Yeung

SCIENCE

Adele Elizabeth Cereghino Wesley Leon Tuft Harry Bruce Mackay Peter Stephen Kapernick **Donald Roy Peters** Margaret Ann Olson Maribel Lee Newby Stephen Joseph Snyder Linda Marie Cave Frascati Jav Randall Henry John Walter Jendrzejewski John Vance Ligon Frank Howard Moore Trudy Jeanette Swan Wayne Walter Schoessler Kristine Kay Jarvis

## Daniel Andrew Adelman John Carol Coon Stephen Morgan Schmitt Charles Roger Nicholson

Merrie Lynn Conder Carol Jean Brown Margaret Ann Wolny Linda Sue Greer Carol Elizabeth Grigg

Kristine Tamson Gates Cindy Kay Estoup Janet Louise Proebstel Jere Ann Yada Elizabeth Jean Russell Kristine Johanna Tonn Carole Linda Foote

#### **AGRICULTURE**

**Dervl Robert Leggett** Michael James Sparks Jane Marian Patton George Herbert Chandler

James August Lichatowich Leonara Marie Schilder Donald Norton Downing Raymond Glenn Dunton

## BUSINESS AND TECHNOLOGY

Roger Arnold Hildebrandt Jill Whitney Rudy Donald Frank Archer David George Camp Andrew Doull Thaler

Cecilia Marie Bengoa Robin Elaine Perry John Thomas Poindexter II Herbert Darvl Sims

## **EDUCATION**

Carol May Olson Janel Ann Nelson Linda Louise Cass Colleen B. Timmerman Ruth Ann Naef Mary Lou Bartle Pearmine Beth Louise Godard Williams Carol Rae Fish Catherine Ann Beckley Janice Kay Erickson Mary Catherine Colpitts Barbara Gail Neff Darlene Marie Etchart Patricia Lynn Tracy

Gretchen Sue Heesacker Nancy Dean Cole Ingram Judith Lynn Nelson Michael Shaun Brett Catherine Mary McCrae

Dia Ann Shuhart Paulette Adele Duckwall Joy Ann Guidry Carole May Wachsmuth Margaret Elizabeth Heer Donna Janeen Babitt Laura Louise Smith Barbara Jo Hunderup Wanda Joyce Olsen

### ENGINEERING

William Walter Rice Warren Edward King Tzu-Hwa Hsu Robert Brian Wiegand James Clifford West Ronald Dean Athay Stephen Sinclair Smith Steven William Hansen Richard Byrl Evans John Steven Burles Ralph Randall Peterson John Evart Borden

Michael Evan Drost Russell Curtiss Hulett Donald Henry Reese Carol Henry Voegtly Robin Jon Wilson Donald Wesley Godard Curtis Kay Kenagy Lawrence Chikara Yamano James Clark Pierce Barton Ferrill Brown Kenneth Roy Hammond Thomas Dale Walt

Kenneth Eugene Giles Bruce John Noble Donald Eugene Hall Jackson Lau Martin David Crouch Timothy Leroy Kimmel Gareth Lynn Hall Thomas Alan Seim Edwin Leigh McCurdy Michael Ernest Utt Walter Rutledge Stubbs

## FORESTRY

HOME ECONOMICS

Thomas Lee Beck James Edward Nielsen Ernest Ford Wilson Daniel Fred Green

John Henry Hortenstine

# Linda Rae Morrison Lois Jean Raymond

Lauralee Fraser Marie Ann Rodgers Mary Lou Bates

Jean Francis Conklin Mary Kay Crisp Nancy Marie Pickett Margaret Alexander Diann Louise Bottenberg Candace Lynn Peters Sheila Patricia Buswell Yvette Dunn Dver Virginia Diane Walling

### PHARMACY

Jack Richard Franklin Jesse Ernest Stewart

Margaret Leone Fowler Gary Robert Sachtler

Kalman Robert Kallay Nadine Jo Kanemasu Huey

## **BACCALAUREATE DEGREES**

## LIBERAL ARTS AND SCIENCES

Oregon State University, on the basis of studies pursued in its undergraduate schools, confers the following baccalaureate degrees.

Bachelor of Arts (B.A.) Bachelor of Science (B.S.) Bachelor of Agriculture (B.Agr.) Bachelor of Forestry (B.F.)

Candidates receive their diplomas from their deans in the order listed below.

The undergraduate curricula in the liberal arts and sciences at Oregon State University are offered through the School of Humanities and Social Sciences and the School of Science.

## School of Humanities and Social Sciences

## Gordon Waverly Gilkey/Dean

The School of Humanities and Social Sciences offers divisional major programs in Humanities and in Social Sciences: departmental majors in anthropology, art, economics, English, history, modern languages (French, German, Russian, and Spanish), music, philosophy, political science, psychology, religious studies, sociology, speech, and technical journalism; and interdepartmental majors in American studies and in Russian studies.

### BACHELOR OF ARTS

Judith Ann Acord, Medford John Howard Aro, Corvallis Larry Jay Barrows, Astoria Linda Hamilton Barrows, Portland Leigh Edith Barry, Roseburg Karla Maria Baur, Salem Robert Edward Beckham, Los Angeles, California Katherine Way Bennett, Geyserville, California Susan Gail Birkemeier, Portland Donald Scott Blau, Hood River William Stephen Bodner, Jr., Corvallis Pamela Jean Bond, Lebanon Barbara Carol Brackett, Astoria William Douglas Brandt, Salem \*Tom Christian Brown, Madras Janice Beverly Brownell, Oregon City Pamela Kay Brownell, Salem Jo Ann Elizabeth Butler, Grants Pass Robert Charles Campbell, Corvallis Susan Lynn Campbell, Portland Timothy Michael Ciochon, Corvallis Michael John Clemens, Portland Paul Arthur Clinton, Independence Christine Cosgrove, Independence Carolyn Dawn Coyman, Bellevue, Washington Kathleen Merle Dahl, Vancouver, British Columbia, Canada

Barbara Jean Davis, Boulder Creek, California

Luther Henry Dearborn, Bonanza Janet Marie Dougherty, Port Orford Lynne Russell Eyerly, Salem

\* University Honors Program graduate.

Donna Rae Farris, Corvallis Patricia Maureen Fitzpatrick, Salem Judith Evelyn Fontanini, Corvallis Synthia Sue Fritz, Longview, Washington Paula Lynne Fuentes, Corvallis Donald Richard Funk, Osgood, Indiana Janet Kerr Gallagher, Philomath Gary Alan Gault, Portland Joan Marie Gibson, Athena Anne Therese Ginn, Medford Angle Doris Gordon, Ontario Joanne Margaret Gorman, Bandon Glenda McLain Green, Corvallis Maureen Louise Grogan, Salem Joy Ann Guidry, Medford George Hamilton Hall, Bishop, California Michael Lynn Hall, Beaverton Kenver Stanley Hankland, Menlo Park, California

Susan Ann Harcombe, Portland Janice Lynn Hartman, Camarillo, California Larry Oris Heer, Corvallis Kenneth Richard Hindes, Dallas Phillip Gregory Hope, Corvallis Donald Quay Hopkins, Corvallis Robert Leroy Innes, Portland Lauren Elizabeth James, Portland Arthur Llewellyn Jenkins, Philomath Carol Ann Johnson, Portland Suzanne Kay Jolma, Portland Paul Robert Samuel Karczag, Klamath Falls Paula Ritcher King, Corvallis John Stephan Kipper, Sacramento, California Karalee Kiser, Lake Oswego

Glen Malcolm Knapp, Chino, California
Karyl Marie Knee, Anchorage, Alaska
Kazuko Kobayashi, Karuizawa-Machi, Japan
Richard Curt Kreisman, Ashland
Bonnie Rae Kriens, Salem
William Joseph Lentsch, Corvallis
Jane Emily Lofsvold, Corvallis
Jean Margaret MacDonald, Salem
Rebecca Lee Macy, Madras
Randy Burdett Mafit, Portland
Donald Douglas Matson, Roseburg
Curtis Brian Maxfield, Salem
Jon Lee McCormick, Portland
Catherine Anne McCorriston, Honolulu,
Hawaii
Roberta Ora McKern, Brownsville

Roberta Ora McKern, Brownsville Phyllis Dorothy McMaster, Albany Marilyn Ann Messner, Portland Robert Hamilton Miller, Salem Patricia Laverne Moyer, Corvallis Marcella Lee Newcomb, Klamath Falls Stewart Monroe Nickell, Constantine, Michigan

Sandra Lyn Niemi, Astoria Thomas Ward O'Connor, Lake Oswego Kathleen Marie O'Dwyer, Sun Valley, California

Yuri Otsuka, Sapporo, Japan Joan Elizabeth Perry, McMinnville David McEwen Pleasant, Portland

Dian Rae Poujade, Portland Kay Helen Rakestraw, Redmond Deborah Rarick, Corvallis \*Kathleen Anne Rice, Corvallis John Mathew Richen, Sherwood James Wallace Riggs, Roseburg Robin Risley, Milwaukie Mary Susan Rohrbough, Albany Barbara Noreen Ross, Dallas Klaas Schenk, Bend Joseph Jacob Schneider, Portland Eric Randolph Schween, Salinas, California Kathryn Louise Sletta, Portland Carolyn Collins Smith, Portland Olivia Lee Smith, West Linn James Edward Stilwell, Portland Patricia Porter Stone, Denver, Colorado Cornelia Daniela Taschow, Bend Richard Dale Thayer, Portland Terrill Kay Tower, Portland Elizabeth Kleinsorge Turner, Corvallis Nicholas Joseph Utzinger, Portland Judith Ann Wagner, Phoenix Bonnie Lou Watkins, Philomath Catherine Keil Watson, Medford Carolyn Hope Wilberger, Corvallis Lawrence Eugene Wilson, Lodi, California Susanne Elsie Wingate, Monterey, California Roland Paget Woodcock, Corvallis Jeffry Curtis Young, Blue River

#### BACHELOR OF SCIENCE

Layne Dannice Aberge, Shady Cove
Dennis Ellsworth Abraham, Springfield
Charles Frederick Adams, Prineville
Terry Lynn Allen, Salem
Jane Marie Anderson, Corvallis
\*Jean Fuller Anderson, Corvallis
John Ryan Anderson, Corvallis
Julia Mae Apt, Bay City
Laurence William Austin, Forest Grove
Gerald Eugene Autry, Portland
Judith Laurene Ayers, Philomath
Gary Charles Ballard, San Leandro,
California

Cynthia Deane Banzer, Portland John Vincent Basl, Stayton William Donald Beebe, Eugene Esther Elaine Bell, Corvallis Thomas Charles Bellock, Salem Thomas Reed Benjamin, Salem Jeanne Marie Berges, San Francisco, California

Sally Ann Bigej, Woodburn Ann Blacklidge, Santa Ana, California Jan Michael Blakely, Portland Kenneth Milton Botham II, Seattle, Washington

Ralph Arthur Bradley, Corvallis John Myles Bramble, Salem David Craig Bressler, Salem

Rosemary Louise Brinkley, Corvallis Chris Edward Brown, Heppner Joseph Daniel Brumett, Jr., Chula Vista, California Donna Dee Buck, Corvallis Jerald Allen Bunn, Portland Cassandra Marie Butler, Newberg Clayton Dellawa Calhoun, Jr., Los Angeles, California Lawrence Daniel Calica, Warm Springs D'Leo Jeanette Callihan, Inglewood, California Dale Alan Campbell, Milwaukie Kathleen Rae Carlton, Portland Gary Lynn Case, Corvallis Leslie James Catto, Portland \*Wilma Grand Chalmers, McMinnville Andrea Elizabeth Cheeseman, Corvallis David Richard Clemens, Burns Colleen Susan Colleary, Lake Oswego Patrick James Collson, Corvallis David Scott Cook, Alamo, California Jerry Earl Corliss, Reno, Nevada David Radford Courant, Northridge, California Gerald L Cox, Corvallis Regis Michael Cregan, Jr., San Bruno, California

Stephen Louis Crow, Portland

<sup>\*</sup> University Honors Program graduate.

Charles Loren Cummons, Medford JoAnne Cunningham, Boise, Idaho Andrea Jean Currie, Corvallis Randall Gaylord Curtis, Salem Steven Jeffry Davis, Medford Michael John Downey, Portland Alice Louise Doyle, Medford Leland Virgil Dudley, Corvallis Dorothy Theresa Duyck, Forest Grove Dale Edward Ebel, Portland John Douglas Edwards, Long Beach, California

Gregory Peter Ellingson, Klamath Falls Diane Ethel Engdahl, Stockton, California Lois Ilene Engel, Albany James George Engiles, Victorville, California William Donald Enyart, Medford Terence Michael Esmay, Tygh Valley Gerald Wendell Ewing, Salem James Stewart Fleming, Corvallis Joan Gayle Forney, Eugene John Derek Fraser, Corvallis Sheryl Lynne French, Corvallis Philip Bruce Frey, Salem John Robert Friess, Corvallis Ignacia Alcedo Fuentes, San Isidro, Peru Robert Warren Fuller, Encino, California Donald Richard Funk, Osgood, Indiana Roy Howard Gault, Cloverdale William Arthur Gaylord, Portland Martha Lou Gifford, Lebanon Roger George Gilbert, Oroville, California Stephen Craig Gordenier, Medford Alfred Paul Grapoli, Tacoma, Washington David Lee Grassman, Woodburn Weldon Douglas Greig, Corvallis Alvin Cabrera Gumataotao, Agana, Guam David Lee Haack, Beaverton Alan Paul Halstead, Corvallis Randall Mark Hammericksen, Albany Mark Allen Hansen, Albany Janice Lynn Hanson, Corvallis Gary Dean Haumschilt, Corvallis Allen Ray Heinonen, Portland Karl Conway Helms, Corvallis Kathleen Henderson, Portland James Patrick Higgins, Milwaukie David William Hittle, Medford Larry Wayne Hodson, Corvallis Ted James Holden, Lake Oswego Jerry Philip Holroyd, Corvallis Kathleen Marie Hulbert, Palmer, Alaska Steven Edward Hursh, Oregon City Ona Lee Ibach, West Linn Sandra Irene Inglis, Corvallis Ted Allen Jackson, Portland Margaret Carole Bendler Jacob, Albany Lee Wesley Jamison, Corvallis Marjorie Ann Jamison, Sweet Home Pamela Jean Japel, Portland Lyn McNeill Jenks, Tangent

Brian Waldo Johnson, Portland Dennis Dean Kalkwarf, Silverton Raymond Mineo Kamo, Vale Donald Macleay Kerr, Portland Monty Knute Kershner, Roseburg Vincent Barassa Khapoya, Bungoma, Kenya Chad Louis Killpack, Beaverton Susan Rae Kloster, Portland Michael John Krok, Klamath Falls Beverly Diane LaChance, Boise, Idaho Renee Ann Lackey, Rainier Priscilla Diane Langmack, Oregon City Robert Eustace LeDoux, Silverton Donald Ward Lee, Jr., Salem Rose Tsang Lee, San Francisco, California William George Lee-Warner, Hood River Andrew James Leisinger, Helix Mary Frances Lemhouse, Corvallis Richard Brian Leneve, Point Edward, Ontario, Canada Ronald Owen Leonard, Seattle, Washington Boyd Allan Levet, San Mateo, California Martin Jav Levin, Eugene Jacqueline Ann Lewis, Albany Stephen Craig Lewis, Troutdale Michael Glenn Lucas, Gervais

Pamela Lee March, Salem William Peter Marsik, Great Falls, Montana Allen Clinton Martin, White Sands Missile Range, New Mexico Robert Gregory Marvin, Corvallis

Jaclyn Sue MacMillan, Woodburn Michael John Maras, Clackamas

David Allen Mather, Madras
Elaine Mayfield, Corvallis
James Scott McAlister, Corvallis
Diane McAllister, Grants Pass
Michael Frederic McAuliffe, Piedmont,
California
Michael Joseph McClary, Corvallis

Denice Adell McKay, Pendleton
Hugh Kirk McKenzie, Corvallis
Sarah Jane McKern, Corvallis
Robert Paul Mead, Warren
Jacob Willoughbey Middleton, Corvallis
Caroline Susan Miller, Eugene
Ritchie Arnold Mills, Corvallis
Michael Peter Misovetz, Portland
Albert Baldwin Moore III, Cressett, Arkansas
Jenien Avonne Moore, Boring
Robert Thomas Moore, Corvallis
William R More, Portland
Sterling Morris, Corvallis
James Clark Morrison, Corvallis

California
Marilyn Gene Mulkey, Salem
Patrick Emery Mulrooney, Albany
Patricia Leilani Nash, Vallejo, California
Ford Verne Nichols, Albany
David Lee Nofziger, Lebanon

Theodore Graham Morrison, Campbell,

<sup>\*</sup> University Honors Program graduate.

William Edward O'Connell, Washington, D. C. Charles Fundman Odell, Astoria Larry David Osterby, Astoria Richard Lloyd Palmer, Corvallis Phoebe Ellen Parker, Corvallis Theodore Patrick Parker, Corvallis Guy Edgar Pierson, Portland William Wilbur Pierson, Corvallis Donna Marie Powell, Corvallis Dale Ernest Price, Napa, California Thomas Lee Provancha, Klamath Falls George Richard Pugh, Shedd Mark Stephen Rader, Portland Bruce Douglas Ramage, Corvallis Edward Matthew Rauw, Portland Richard Duncan Read, Olympia, Washington Robert Paul Reiten, Corvallis Stephen Eugene Riley, Portland Douglas Stuart Robertson, Lake Oswego Robbin Gregg Roeder, Grants Pass James Charles Rogers, Salem Jerry Dean Rohde, Salem Gordon Dennis Rosenberg, Corvallis Steven Charles Ross, Bend Sheryl Jean Rosvall, Tigard Richard Loyal Rush, Medford Frederick Milton Russell, Milwaukie Jennifer Louise Ryan, Corvallis Timothy Leo Ryan, Corvallis Delano Edward Sanders, Coos Bay Ann Lee Scheidegger, Corvallis Sally Jo Schenk, Canby Steven Littell Schetky, Portland Roger Joseph Schmeltz, Corvallis Stanley Craig Schmokel, Portland Lewis Simons Scott, Conshohocken, Pennsylvania Theodore Lathers Sidor, Corvallis Robert Pierce Singer, San Mateo, California

Pennsylvania
Theodore Lathers Sidor, Corvallis
Robert Pierce Singer, San Mateo, Californ
Candice Slack, Portland
Sidney Diane Slead, Medford
John Francis Smith, Aurora
Melvin Earl Smith, Roseburg
Virginia Evi Smith, Corvallis

Michael Alan Southard, Portland
Jane Elizabeth Stager, Salem
John Roger Stewart, Sandy
Douglas Earl Stone, Albany
Raymond St. James Stuart, Portland
Garry Bruce Swerdlik, Portland
Toby Ann Todd, Woodland Hills, California
Richard Charles Townsend, Blue River
Keith Eric Tryck, Anchorage, Alaska
Wayne Howard Tyler, Corvallis
†Patrick Wayne Valley, Piedmont, California
Shelby Elaine Vance, Warrenton
William Gerard Vanderbundt, Placerville,
California

Joseph Darwin Van Horn, Central Point Robert Lee Vertz, Sturgeon Bay, Wisconsin Kathleen Lucille Vetorino, Portland Charles Paul Vincent, Reedsport Linda Vladimiroff, North Bend Frederick William von Tagen, Walnut Creek, California

Louis John Wachsmuth, Corvallis Walter Ludwig Wagner, McMinnville Margaret Kent Walworth, Florence Michael George Wandell, Hoquiam, Washington

Karen Lynn Warren, Corvallis Clay Jack Weaver, Pendleton Nancy Webster, North Bend Gregory Lee Werner, Tillamook Steven Harold Westfall, Salem Donna Jo Weston, Corvallis Kay Elizabeth Whaley, Corvallis Louis Craig White, Corvallis Lynn Ann Whitmore, Corvallis David Eugene Widner, Portland Jack Gaston Wilborn, Jr., Roseburg Charles Blair Williams, Portland Stephen James Williams, Medford Wilmar Henson Williamson, Astoria Jeffrey Lynn Wissler, Portland Gertrude Martha Witter, Gresham Sally Mae Woolley, Portland Allan Kingsley Yost, Monmouth

# School of Science

## John Mather Ward/Dean

The School of Science provides majors in the biological and physical sciences and mathematics for students who desire a liberal education or preparation for advanced study in science. Undergraduate majors are offered in botany, chemistry, entomology, general science, geography, geology, mathematics, microbiology, paleontology, physics, science education, and zoology. Preprofessional preparation is also offered in dentistry, medicine, veterinary medicine, medical technology, dental hygiene, and nursing.

## BACHELOR OF ARTS

Susan Gail Birkemeier, Portland Carroll Eugene Campbell, Jerome, Idaho Nellie Elizabeth Cook, Roseburg Sheila Diane Cotton, Lake Oswego Virginia Lordes Cruz, Pahala, Hawaii Betty Marie Curtis, Astoria

<sup>\*</sup> University Honors Program graduate.

<sup>†</sup> Posthumously

Lois Annette Double, Sacramento, California Barbara Gail Fairley, Portland Paul Thomas Fontanini, Corvallis \*Steven Leroy Fuller, Portland \*Robert Dale Hall, Hermiston \*Margaret Anne Hilferty, Oceanside Marcia Elizabeth Hollett, Corvallis Dennis Keith Holverstott, Eugene Robert Niles Lewis, Corvallis Carol Curtice Martin, Milwaukie
Marjorie Richmond, Denver, Colorado
Robert Paul Schapper, Corvallis
Ruth Marie Schmidt, Corvallis
Carolyn Jane Sleeter, Portland
\*John Alexander Sloan, Auburn, Washington
\*Trudy Jeanette Swan, Eugene
Margaret Louise Tweeddale, Portland
Diane Christine Williams, Ashland

### BACHELOR OF SCIENCE

Alexander Lichina Alusa, Kakamega, Kenya Frederick Kraemer Anderson, Portland Nancy Irene Anderson, Camas, Washington Bruce Duane Applegate, Salem Lawrence Edward Armstrong, Sandy Louis Armstrong III, Longview, Texas Glen Roger Arneson, Canby Henry Sik-Kwan Au, Hong Kong Thomas Michael Bailey, Portland Russell Dan Baker, Portland Steven Edwin Baker, Klamath Falls James Richard Bamford, Albany Wayne Raymond Barichello, Canby James Joseph Barta, Los Altos, California Anne Marie Batchelder, Hillsboro Kenneth John Bateman, Corvallis Kevin Lee Bauersfeld, Monmouth Kenneth Fritz Baumgartner, Tillamook Peter Joseph Beck, Carson City, Nevada Clayton Edward Beish, Salem William Irven Beliveau, Corvallis Linda Jean Bellerby, Portland Reese Edward Bender, Havertown, Pennsylvania

Alan Chris Bennett, Hawthorne, California Mark Fredrick Bennett, Corvallis Thomas Edward Bert, Castle Rock,

Washington Eric Philip Blakely, Corvallis Mavis Rae Bodhaine, Portland Regina Alice Boeck, Corvallis Lidia Zulema Bohorquez, Quito, Ecuador Raymond Grauel Bonesteele, Corvallis Conrad Rhoads Borsting, Klamath Falls Blake Richard Borup, Philomath Dale Floyd Botsford, Fort Bragg, California William Leslie Bowen, Saratoga, California Michael Gene Bowers, Grants Pass Theron Michael Bradley, Jr., Corvallis Clifford John Bradshaw, Ashland Michael Duane Brawn, Medford Kathryn Lorene Broschart, Portland Thomas Kinsley Brown, Salt Lake City, Utah Michael Edward Brownell, Vancouver, Washington

Terry Lane Buchanan, Wilderville Steven Harold Buckstein, Portland John Henry Buss, Florence David Allen Butler, Portland Kenneth Richard Byers, Corvallis Perry Ernest Camp, Haines
Kenneth Ray Carlson, Cascade Locks
Wayne William Carmichael, Corvallis
Norman Walter Castillo, Portland
Thomas John Cattrall, Salem
David Earl Cawlfield, Corvallis
Adele Elizabeth Cereghino, Portland
Deanna Lou Cereghino, Milwaukie
John Douglas Chakarun, Salem
John Edward Chambers, Jr., Corvallis
Amara Thungtrakul Chantanao, Thonburi,

Thailand Donald Paul Charlton, Portland Vernon Jeu Hin Ching, Honolulu, Hawaii Jong Sung Choi, Seoul, Korea William James Christensen, Portland Hans Craigen Christiansen, Madras Richard James Clawson, St. Helens Phillip Eugene Cochran, Creswell Robert Collier Cockrell, Eugene Bruce Jon Cole, Corvallis Lynda Lee Connine, Roseburg Dennis Robert Cosler, Albany Patricia Jo Coulthard, Boise, Idaho John Paul Coutu, Newberg Ralph Wayne Cramer, Corvallis Gregory Eugene Craner, Portland James Christopher Cron, Beaverton John Roland Crosiar, Monmouth John Matthew Crudele, Corvallis David Harrison Cutsforth, Jr., Albany Gary Dale Daubert, Portland Dennis Eugene Daugherty, Salem Howard Robert Davis III, Corvallis Patricia Ruth Davis, Bellevue, Washington Richard Stanley Davis, Corvallis Donald James Decker, Corvallis Stephen Lane DeHaas, Salem Richard William Denny, Estacada Lowell Verne Diller, Grants Pass Frank-Don Samuel Donaldson, McMinnville Gerard Matthew James Donovan, Bonita, California

Bryan Campbell Dorner, Portland
Perry Hubert Dowd, Patterson, New Jersey
Michael Evan Drost, Corvallis
George Severn Drury, Cottage Grove
William Fredrick Duerfeldt, Corvallis
James Richard Eddleman, Tangent
David Victor Edling, Otis

<sup>\*</sup> University Honors Program graduate.

John Timothy Eilers, Aurora Thomas Anthony Eisele, Sheridan William Henry Eisenbart, Corvallis Andy Gordon Eldridge, Redmond Claude Dale Elmore, Eastside Linda Kay Engle, Roseburg Keith David Euhus, Clatskanie Lyle James Fagnan, Portland Kenneth Lewis Faught, Corbett John Alan Fawson, Long Beach, California Paula Lenore Felix, Klamath Falls Walter Keith Fincher, Kalispell, Montana Linda Diane Fischer, Grants Pass Larry Burdette Fiske, Estacada Robert Dale Fogel, Roseburg Charles Thomas Ford, Portland John Preston Fraley, Corvallis Jerry Alvan Francis, Portland Michael Ewart Franklin, Corvallis Linda Marie Frascati, St. Helens Donald James Fromherz, Lebanon Jean Yuriko Fukuii, Honolulu, Hawaii \*Timothy Nolan Furrow, Hillsboro Lawrence Paul Gagnon, Portland Karen Marie Gangwer, Portland Sydney Jo Gardner, Vida Franklin Charles Garmon, Corvallis John Douglas Garner, Coos Bay Albert Edward Joseph Garrity, Hillhead, Colyton, England Thomas Anthony Gates, Mercer Island, Washington Harold Lavon Geddes, Portland \*Eunice Emily George, Tillamook Katherine Joyce Gilbert, John Day Phillip Roy Gilbertson, Medford Carol Earlene Gipe, Canby James Frederick Girt, Coos Bay Timothy Charles Gleeson, Portland Joseph Martin Goodpasture, Leaburg David Eric Gordon, Monmouth Kenneth Lee Gray, Albany Roger Ross Gray, Portland Ronald Eugene Green, Ojai, California Judith Ann Gregory, Molalla \*JoEllen Gretzinger, Salem Jon Olas Gustafson, Portland James Allen Ballard Hadman, Albany Stephen Peter Hall, Albany Leon James Halloran, Myrtle Creek Guy Arthur Hamblen, Portland Alice Anne Hamlin, Portland Robert Glen Hammer, Kalispell, Montana William Allen Hampton, Jefferson Harold Emrick Hanson, Independence Jonathan Mackey Hanson, Klamath Falls Jill Ann Hardtke, Portland James Michael Harper, Tigard Steven Jay Harrington, Portland Randy Lee Hass, Portland

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# School of Agriculture

## Wilbur Tarlton Cooney/Dean

The School of Agriculture offers major curricula with options in agricultural science, agricultural business, and agricultural technology. The main fields within the school are: agricultural economics, agricultural education, animal science, farm crops, fisheries, food science and technology, horticulture, mechanical technology in agriculture, poultry science, range management, soils, and wildlife management.

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School of Business and Technology

Columbia

## Earl Goddard/Dean

The School of Business and Technology offers major work in business administration with concentrations in general business, accounting and cost control, financial management, production management, marketing management, personnel management and industrial relations, and agricultural business management. A minor in science or science-technology is required to accompany each major. The school also offers major curricula in business education and secretarial science.

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# School of

## Keith Goldhammer/Dean

The School of Education offers undergraduate curricula preparing for teaching in elementary and secondary schools. Areas of concentration in elementary education are art, English, mathematics, modern languages, music, physical education and health, social studies, and speech. In secondary education, standard teaching norms are offered in agriculture, business, English, health and physical education, home economics, science, industrial arts, social studies, and industrial education. In addition, basic teaching norms are offered in art, journalism, modern languages, music, and speech.

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## Carl Henry Stoltenberg/Dean

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## School of Home Economics

## Betty Eileen Hawthorne/Dean

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Jill Margaret Crawford, Medford

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Nancy Marie Frahm, Ontario Lauralee Fraser, San Clemente, California Susan Ann Friday, Meridian, Idaho Jacqueline Irene Gamble, Corvallis Linda Marie George, Portland Alicia Irene Glover, Oregon City Judith Ellen Gonsalves, Corvallis Marilyn Ida Gonyer, Nyssa Florence Patricia Gosnell, Oakridge Sandra Jane Grant, Springfield Catherine Rea Gray, Salem Margaret June Hanselman, Moraga, California Jaxine Alyce Harris, Oregon City Nancy Dalton Hart, Pendleton LeeAnn Harward, Corvallis Carolyn Eloise Henrichs, Moro Joyce Marie Herold, Astoria Jean Elizabeth Hiatt, Hillsboro Ann Lucille Hill, Independence Constance Lynne Holcomb, Milton-Freewater Debborah Jane Hoskins, Jonesboro, Indiana Helen Ann Hunsaker, Klamath Falls Pamela Sue Hutchinson, North Powder Carol Anne Jaksch, Corvallis Shari Rae Jarrell, Cornelius Willina Diane Jenkins, Albany Judith Elaine Jennings, Corvallis Christine Anne Johnson, Port Orford Linda Paulette Jones, Lebanon Linda Sue Jones, San Diego, California Geraldine Fumiye Kaizawa, Honolulu, Hawaii Wilma Miriam Kanagy, Lebanon Debra Jeanne Kennedy, Klamath Falls Barbara Ann Ketel, Eugene Phoebe Florence Kittel, Waldport Stella Louise Landacre, Portland Patricia Ann Landers, Corvallis Lynnetta Ruth Ackerman Lasher, Portland Linda Harriet Lau, Paradise, California Sherrie Hawkins Leisinger, Pendleton Paula Marie Levand, Tracy, California Debbie Tzu-Heng Liang, Milwaukie Barbara Ellen Martin, Corvallis Sally Reed Maxwell, Lakeview Jean Ann McDowell, San Carlos, California Susan McFarland, Hebo Robin Marie McKibban, Corvallis Nancy Lee McShatko, Portland Janet Elaine Miles, Oregon City Claudia Louise Mitchell, Riverside, California Susan Claire Peterson Mitchell, Salem Virginia Lee Montag, Vancouver, Washington Karen Jeanette Montgomery, Portland Sharon Kay Morgan, Dayton Patricia Ann Morioka, The Dalles Linda Rae Morrison, Nyssa Peggy Elaine Morrison, Stayton Carol Anne Mullen, Corvallis Barbara Horne Myers, Eugene

Christy Ann Nathman, Woodburn Norma Candace Neal, San Rafael, California Marilyn S Nishihara, Homedale, Idaho Nancy Lee Nyberg, Corvallis Cherie Sanoye Okano, Nyssa Nancy Lee Orr, Vacaville, California Julia Ann Parker, Corvallis Candace Lynne Peters, Aurora Sharon Lee Peterson, Portland Susan Kathleen Peterson, Omaha, Nebraska Joan Isabell Petterson, Portland Karen Louise Pickett, Salem Nancy Copenhagen Pickett, Tucson, Arizona Christy Marie Porter, Tiller Linda Jean Raitanen, Seaside Lois Jean Raymond, Corvallis Mary Elizabeth Reeves, Corvallis Virginia Ann Renoud, Portland Jayna Jones Riner, Redwood City, California Marie Ann Rodgers, Eugene Melinda Lueen Ross, Portland Susan Kay Rush, Port Orford Janet Darnell Schamber, Ontario Karen Ann Schulz, Portland Susan Marie Schwab, Ashland Patricia Ann Scott, Newport Carol Anne Setniker, McMinnville Mary Kay Shaw, Junction City Barbara Jean Sherwood, La Grande Mary Suzan Shipp, Portland Asenath Gaye GooDe Siddel, Chino. California

Caroline Roberta Smith, Roseburg
Frances Lynn Smith, Klamath Falls
Marilyn Sue Smith, Portland
Audrey Jean Staley, Terreton, Idaho
Ruth Irene Stettler, Salem
Judy Lorraine Strojny, Corvallis
Martha Jean Surbaugh, Portland
Frances Natsue Takumi, Corvallis
Letritia Rae Toyota, Portland
Patricia Ann Trimble, Hereford
Sharon Delores Turley, McMinnville
JoAnne Marie Uhlenhake, Newport
Dorothy Ann Vetter, Westside, Iowa
Dena Erlean Tellefson Von Derahe, Milton-Freewater

Virginia Diane Walling, Lake Oswego Kathryn Ida Weeldreyer, Cottage Grove Donna Virginia Weitzel, Pleasant Hill Donna Lucille Westwood, Menlo Park, California

Mary Susan Wheelhouse, Olex Candace Carmen White, Corvallis Charlene Clopton White, Portland Linda Diana Ackerman Williams, Kamuela, Hawaii

Linda Helen Williamson, Corvallis Sonja Marquita Wilson, Mapleton Crystal Annette Wise, Delano, California

<sup>\*</sup> University Honors Program graduate.

Gail Louise Woodford, Portland Roberta Annette Worley, Portland Arlys Anne Wright, Coos Bay Gloria Jean Yasuda, Wilder, Idaho Jo Anne Werth Yates, Cottage Grove Patricia Eileen Yee, Wailuku, Hawaii

# School of Pharmacy

#### Charles Owens Wilson/Dean

The School of Pharmacy offers major curricula, all of them requiring five years to complete, in pharmaceutical chemistry, pharmaceutical science, pharmacognosy, pharmacology, and pharmacy administration.

### BACHELOR OF SCIENCE

Dell Alan Alexander, Corvallis
William Lloyd Bates, Port Orford
James Anthony Biancone, Corvallis
Ronald Alan Bremner, Pilot Rock
Patricia Gail Briggs, Albany
Bonnie Evalyn Brindley, Gig Harbor,
Washington
Ronald Ray Brown, Eagle Point
Leonard Gene Buchholz, Veneta
Robert Nellis Burr, Redmond
Gregory Allen Clark, Corvallis
Patrice Marlene Delaplane, Corvallis
LouVina May Dieffenbaucher, Bakersfield,

California Michael Joseph Eisler, Corvallis Douglas Robert Elliott, Corvallis James Francis Fickel, Placerville, California Margaret Leone Fowler, Portland Jack Richard Franklin, Corvallis Terry Dennis Gibbs, Corvallis Robert Thurman Goodfellow, Lake Oswego Carol Jean Harris, Corvallis Allan Duane Heifner, Corvallis Martha Jeanne Hetrick, Roseburg James Roy Hourigan, Corvallis Nadine Jo Kanemasu Huey, Parkdale Susan Catherine Hufford, Portland James Raymond Hughey, Corvallis Kalman Robert Kallay, Milwaukie Carl Hall Kelly, Albany Pamela Ann Kennedy, Salem

Gary Henry Landi, Corvallis Sheldon Leachman, Lakewood, California Valeriano Kee Lee, Caloocan, Philippines Marion Lai Hung Loo, Honolulu, Hawaii George Roger Marino, Corvallis Atushi Richard Naito, Corvallis Mary Jo Nelson, Gresham Mathews Anthony Nunes, Corvallis Coleman Wing Ow, Portland Larry Duane Pangle, Corvallis David Lee Robertson, Eugene Katharine Julia Rosling, Fresno, California Gary Robert Sachtler, Salem Steven John Schulte, Tigard Charles Joseph Simon, Corvallis Malcolm Douglas Sinclair, Corvallis Walter Hans Specht, Corvallis Barbara Ellen Spickerman, The Dalles Jesse Ernest Stewart, Bonneville Robert Thomas Sullivan, Jr., Corvallis Barbara Noreen Swensen, Tillamook Ronald Toshio Taniguchi, Campbell, California

Anthony William Taylor, Cottage Grove
Stephen Paul Uffelman, Milwaukie
Madalyn Marie Whitaker, Enterprise
Gary Ray Whitfield, Corvallis
Larry Keith Wright, Grants Pass
Gregory Tetsuya Yamamoto, Los Angeles,
California

<sup>\*</sup> University Honors Program graduate.

## ADVANCED DEGREES

# THE GRADUATE SCHOOL

Henry P. Hansen/Dean Wendell H. Slabaugh/Associate Dean

All work beyond the baccalaureate degree is supervised by the Graduate Council and the Dean of the Graduate School. Full graduate programs through the Doctor of Philosophy degree are offered in biological sciences, physical sciences, mathematics, agriculture, business administration, education, engineering, forestry, home economics, pharmacy, and statistics. Oregon State University offers the following advanced degrees in course:

Master of Agriculture (M.Agr.)
Master of Arts (M.A.)
Master of Arts (General Studies)

(M.A.)
Master of Business Administra-

tion (M.B.A.) Master of Education (Ed.M.)

Master of Education (Ed.M.)
Master of Engineering (M.Eng.)
Master of Forestry (M.F.)

Master of Home Economics (M.H.Ec.)

Master of Materials Science (M.Mat.Sci.)

Master of Pharmacy (M. Pharm.)

Master of Ocean Engineering (M.Oc.E.)
Master of Science (M.S.)
Agricultural Engineer (A.E.)
Chemical Engineer (Ch.E.)
Civil Engineer (C.E.)
Electrical Engineer (E.E.)
Industrial Engineer (I.E.)
Mechanical Engineer (M.E.)
Metallurgical Engineer (Met.E.)
Mining Engineer (Min.E.)
Doctor of Education (Ed.D.)
Doctor of Philosophy (Ph.D.)

# Master's Degrees

#### MASTER OF ARTS

Eunice Chizuru Au, Kalaheo, Hawaii Entomology

Chalmers Delorme Blatch, Jr., Corvallis General Science

Flash Gibson, Mead, Washington Zoology

Linda Suzanne Gibson, Mead, Washington Zoology

Michael Colyn Hartman, Corvallis Zoology

Ronald Norman Knoshaug, Corvallis Mathematics \*Audrey Lee Krueger, Salem General Science

Shirley Mae Leuthner, Joliet, Illinois Botany

\*Thomas William Moon, Salem Zoology

Barbara Woodworth Saigo, Eau Claire, Wisconsin Zoology

Michael Charles Smiles, Jr., Baldwin, New York Oceanography

Randall William Smith, Portland Zoology

### MASTER OF ARTS IN GENERAL STUDIES

Angelina Ng Ang, Philippines
Business Administration, Geography,
Economics

Charlette Yvonne Bodner, Corvallis Education, Political Science, History

Leonard Charles Brideau, Ossining, New York Business Administration, Economics, Political Science \*Patricia Broadbent, Milwaukie Education, History, English

Alan Bruce Christensen, Portland

Business Administration, Political Science,

History

Margaret Jean Faulkner, Yuma, Arizona Family Lite, Sociology, Speech

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- \*Raymond Lewis Fields, San Gabriel, California Education, Psychology, English
- Margaret Jean Gingerich, Shawnee Mission, Kansas Education, History, English
- Diane Spencer Hancock, Corvallis Education, History, English
- Joseph Charles Hise, Corvallis

  Business Administration, Economics,
  Political Science
- Marie Dienes Hutchens, Corvallis Education, English, Psychology
- Teresa Rwun-he Hwo, Taiwan
  Family Life, Sociology, Psychology
- \*Sabrina I-Chia Liu, Salem Statistics, Psychology, Sociology
- William Morris Martin, Jr., Corvallis Education, Political Science, Speech
- Arthur Lesher Moyer, Albany
  Education, Speech, College and University
  Teaching

- Miriam Weitz Orzech, Corvallis Education, English, History
- \*Dale Charles Paintner, Portland Education, English, History
- David Raymond Prichard, Corvallis Education, History, Speech
- \*Dale Alviner Reynolds, Lebanon Education, English, Speech
- \*Gertrude Louise Ross, Salem Geography, History, Political Science
- Joanne Martin Thomas, Albany Education, Speech, English
- \*Paul Dudley Vanture, Portland Geography, Political Science, History
- Mary Jean Wagner, Corvallis
  Family Life, Psychology, Sociology
- Dorothy Anne Walradt, Albany Education, English, Speech
- Robert Elmer Ward, Corvallis

  Education, Anthropology, Speech
- \*Frank Grover Williams, Jacksonville Business Administration, Sociology, Psychology

## MASTER OF SCIENCE

- Somehai Achavanuntakul, Thailand Civil Engineering
- David Warren Akers, Seattle, Washington Mathematics
- Gerald William Alcock, Troy, Montana Forest Management
- Susan Annette Aldrich, Corvallis Geography
- Capi Lee Alexander, Albany
  Home Economics Education
- Hollis Howard Allen, Ponca City, Oklahoma Forest Management
- Bruce Conrad Anderson, Tillamook

  Mechanical Engineering
- Daniel Craig Anderson, Orofino, Idaho Animal Science
- \*Donald Gordon Anderson, Anchorage, Alaska Civil Engineering
- Marilyn Jean Anderson, San Diego, California General Science

- Valerie Anne Anderson, Novato, California General Science
- Dang Thi Anh, Vietnam
  Home Economics Education
- Nusoraphan Anussornnitisarn, Thailand General Science
- Ratana Anussornnitisarn, Thailand General Science
- Mary Lloyd Apple, Tulsa, Oklahoma General Science
- \*Jose Fernando Araos, Chile Soils
- Mark Edward Ascerno, Jr., Corvallis Entomology
- Pitsanu Attavirojana, Thailand Soils
- Thomas Atzet, Corvallis Forest Management
- David Franklin Bachman, Portland Chemistry

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

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- \*Richard Lawrence Bagger, Loomis, Nebraska *General Science*
- \*Edwina Gene Balstraz, Corvallis Microbiology
- Ernest Robey Banks, Corvallis Geophysics
- Robert Bradshaw Barden, Jr., Whittier, California Physics
- \*Carl Daniel Bauer, Fairfield, California
  Mathematics
- Welby Bauer, Minatare, Nebraska Range Management
- Richard Gary Beaver, Corvallis Botany
- \*James Lewis Beecroft, Richland, Washington Mathematics
- \*Jean Catherine Best, Zephyr Cove, Nevada General Science
- Anthony Durnford DeGray Birch, Corvallis Education
- Peter Andre Bisson, Moorpark, California Fisheries
- \*Dale Herold Boland, Winona, Minnesota General Science
- Marilyn Ruth Borchardt, Watertown, Wisconsin Clothing, Textiles, and Related Arts
- Joseph Sheldon Bottero, Portland Oceanography
- Robert Hathaway Bourke, Corvallis Oceanography
- \*Thomas Michael Bowman, La Grande Agricultural Economics
- \*Charles William Boyd, Salem General Science
- \*Charles Harrison Bozdog, Helena, Montana General Science
- \*Gerald Dean Braunberger, Cottage Grove
- \*William Dean Brown, Madras Guidance
- James Frederick Buckley, Corvallis General Science

- Ramsey George Burdett, Salem Veterinary Medicine
- Gerald Wayne Burnette, San Jose, California General Science
- Kenneth Paul Burnham, Corvallis Statistics
- \*Henry Charles Burridge, Corvallis General Science
- \*Charles Kekuewa Burrows, Honolulu, Hawaii General Science
- Frances Elizabeth Burwell, Stephenville, Texas Institution Management
- \*Clayton Edmund Butcher, Jr., Lisbon Falls, Maine General Science
- William Howell Campbell, Corvallis Pharmacy Administration
- Richard William Carkner, East Lansing, Michigan Agricultural Economics
- Winona Jean Carlson, Federal Way, Washington Home Management
- \*Richard Walter Carlton, Corvallis Geology
- John Lawrence Chalfan, Bandon Electrical Engineering
- David Marshall Chambers, Denver, Colorado Oceanography
- Mary Mann-jong Chang, Taiwan Botany
- Yue-Guey Lee Chang, South Bend, Indiana Biochemistry
- David Richard Cheeseman, Bishop, California General Science
- David Wei Chen, Dallas, Texas Electrical Engineering
- Jessie Tsui Lin Chiu, Taiwan Foods and Nutrition
- Hyung Do Cho, Korea Civil Engineering
- Viravat Cholvanich, Thailand Management Science
- Milton Charles Cissell, Creve Coeur, Missouri Oceanography

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Eugene Edward Coleman, Jr., Corvallis General Science
- Gordon Carter Collett, Santa Barbara, California Electrical Engineering
- Lane Edward Coulston, Corvallis
  Agricultural Economics
- Louis Clement Coutu, Newberg Atmospheric Science
- Carlton Edward Cross, Corvallis Electrical Engineering
- David Ronald Cullings, Elkhorn, Nebraska General Science
- Emmett Eugene Curran II, Colorado Springs, Colorado Electrical and Electronics Engineering
- Michael Melvin Dahl, Novato, California Physics
- Ilene Elsie Dahlquist, Omak, Washington General Science
- Ronald Kenneth Darling, Portland Management Science
- Henry George Davies, Eugene General Science
- William Robert Davies, Corvallis
  Management Science
- Ernest Louis Davis, Jr., Astoria
  Agricultural Education
- \*Garth Earl Davis, Hermiston
  Agricultural Education
- \*Stewart Lee Davis, Corvallis Civil Engineering
- Donald William DeClerck, Salem General Science
- Byron Bernard Deden, Venango, Nebraska General Science
- Edward George DeForrest, Somersworth, New Hampshire College Student Personnel Administration
- \*Steven James Deleyiannis, Upper Darby, Pennsylvania Oceanography
- \*Donald James DeMars, Albany Forest Management
- \*Edward Leonard Dito, Grass Valley, California Civil Engineering

- \*Patricia Jane Dix, Chicago, Illinois General Science
- William Herman Doak, Corvallis Soils
- George Franklin Dotson, Corvallis Civil Engineering
- \*Daniel Dean Dutz, Milwaukee, Wisconsin Mathematics
- Charles Clifton Edgar, Portland Electrical Engineering
- \*Paul Duane Eggen, Joplin, Montana General Science
- John Thomas Ellison, Centralia, Illinois General Science
- Elmer Harvey Elwin, Corvallis Civil Engineering
- \*Henry Reed Emsick, Omaha, Nebraska General Science
- Norma Susan Evers, Forest Grove Home Management
- Ebenezer Ade Fabiyi, Nigeria Agricultural Economics
- Alan Lee Fahrenbruch, Nyssa Physics
- Robert Eugene Fankhauser, Idaho Springs, Colorado Geology
- James Lawrence Fessler, Philomath Fisheries
- \*Paul Morris Flugstad, Seattle, Washington Chemistry
- \*John Raymond Formsma, Northridge, California Mathematics
- Gregory Robert Foster, Brookfield, Illinois General Science
- Jo Ellen Foyle, Bakersfield, California General Science
- Jonathan Elbert Frederick, Central Point Physics
- Harold Melvin Frisch, Watsonville, California General Science
- \*Dale Marion Gallaher, Corvallis Electrical Engineering
- \*Don Richard Gargano, Fullerton, California Farm Crops

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Richard Fredrick Gates, Palos Verdes Estates, California Oceanography
- \*Gholam Hossein Ghaffari, Corvallis Agricultural Education
- Bruce Jay Gilbertson, River Falls, Minnesota College Student Personnel Administration
- James Elmer Gilson, Albany General Science
- Richard Michael Glasheen, Santa Maria, California Geology
- Barbara Louise Glover, Farmington, New Mexico General Science
- \*William Donald Goatcher, Corvallis
  Animal Science
- James Hendricks Godfrey, Vancouver, Washington Chemical Engineering
- \*Manouchehr Gojgini, Corvallis Chemical Engineering
- \*Royce Lynn Gragg, Wichita Falls, Texas General Science
- \*Joseph Henry Gross, Westchester, Illinois General Science
- \*Richard Eugene Gross, Klamath Falls General Science
- \*Joanne Frances Gruen, Portland Statistics
- \*Ghassan M Ihsan Hafez, Lebanon Mechanical Engineering
- Stephen Warner Hager, Corvallis Oceanography
- Lawrence Robert Haley, Corvallis General Science
- \*Warren James Hall, Independence General Science
- Michele Suzanne Haller, Eugene Home Economics Education
- John Leslie Hamstreet, Annona, Texas
  Animal Science
- Danil Ray Hancock, Corvallis
  Oceanography
- \*Robert James Hancock, Carmichael, California Electrical Engineering

- Ralph Wayne Hardie, Richland, Washington Nuclear Engineering
- \*Larry Kay Harlan, Imperial Beach, California General Science
- Warren Charles Harper, Corvallis Forest Management
- Sister Marilyn Harris, Portland General Science
- Janice Melvin Harrison, Corvallis Food Science
- Robert Louis Harvey, Spartanburg, South Carolina Chemistry
- Stephen Peter Hass, Aniak, Alaska Agricultural Economics
- \*Timothy O'Neill Hayden, Corvallis General Science
- Andrew Mackie Held, Bozeman, Montana Chemistry
- Dennis Ray Henning, Hatfield, Pennsylvania General Science
- Ralph Patrick Henry, Downieville, California General Science
- Joanne Emily Hexom, Decorah, Iowa General Science
- \*Richard Wendell Hicklin, Renton, Washington General Science
- Edward Burlingame Hill, Kentfield, California Mathematics
- \*Glen Mark Hillestad, Emerald, Wisconsin General Science
- Sumesh Chandra Hirway, India Food Science and Technology
- F Owen Hoffman, San Leandro, California Fisheries
- \*Arthur Eugene Holmberg, Wasilla, Alaska General Science
- Sheng-I Hsu, Corvallis Atmospheric Science
- \*Lily Jho Yuan Hu, Corvallis Soils
- John William Hudson, Coolidge, Arizona Industrial Engineering
- \*Joseph Hudzikiewicz, Eugene Geography

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Myron Allen Huettig, Hazelton, Idaho Soils
- Harry Markwood Hull, Madison, Wisconsin Mathematics
- Lawrence Marvin Jacobson, Chicago, Illinois Geography
- Walter Jakubowski, Gig Harbor, Washington Microbiology
- \*Morteza Janghorbani, Iran Soils
- \*Gisela Hannelore Jefraim, Berkeley, California Mathematics
- Lawrence Ellsworth Jensen, Tacoma, Washington General Science
- Gloria Helen Johnson, Milwaukie College Student Personnel Administration
- \*Harvey Glen Aaron Johnson, Forest City, Iowa General Science
- Leighton Wayne Johnson, Portland Mechanical Engineering
- \*Rise Janette Johnson, Portland General Science
- James Clelland Johnston, Corvallis General Science
- Barbara Joyce Jones, Fort Klamath General Science
- Jerry Dean Jones, Pataskala, Ohio Atmospheric Science
- \*Mark Murrison Jones, Corvallis Oceanography
- \*Katharine Adkins Joseph, Milwaukie General Science
- Vishnu Balchand Jumani, Corvallis Mathematics
- Dennis Mark Kaech, Frances, Washington General Science
- Mungai Kamau, Corvallis General Science
- \*Patrick Bryan Kelly, Portland Civil Engineering
- Paul James Kemp, Corvallis Chemistry
- Walter Ronald Keyes, Monmouth
  College Student Personnel Administration

- Ono Merl Kile, Jr., Frederick, Maryland General Science
- Steven Paul King, Corvallis Management Science
- \*Yukio Kitagawa, Wahiawa, Hawaii Farm Crops
- David Edward Klasson, Corvallis General Science
- Walter Wallace Knapp, Silverdale, Washington General Science
- Charles Alan Krekel, Corvallis General Science
- Russell Victor Kuhns, Aberdeen, Washington Poultry Science
- \*Fong Sun Lai, Taiwan Civil Engineering
- \*Mary Susan Lamb, Sweet Home General Science
- \*David Jerome Langowski, Shedd Fisheries and Wildlife
- Mabel Gladys Lappenbusch, Bellingham, Washington College Student Personnel Administration
- George Robert Larsen, Cortland, New York Family Life
- Harold Allen Larsen, Corvallis General Science
- \*Martin Arthur Larsen, Jr., Amity Mathematics
- \*Daniel Tin-Hung Law, Hong Kong Zoology
- Thu Thi-Ngoe Le, South Vietnam General Science
- \*Ronald Arthur Lee, Lacey, Washington Fisheries
- \*Soon Mo Lee, Korea Mechanical Engineering
- Fred R Leffler, Corvallis
  Electrical and Electronics Engineering
- Barbara Anne Lichtenwalter, Toledo, Illinois General Science
- \*I-Kuan Lin, Corvallis Statistics
- Marlene Mei-yu Liu, Taiwan Plant Pathology

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- \*Shi-Yun Liu, Taiwan Statistics
- James Leslie Lodman, Billings, Montana General Science
- \*Darrell Ernest Lokken, Aberdeen, Washington General Science
- \*Roger Nevin Ludwick, Miami, Florida General Science
- Alan Robert Lyons, Portland Plant Pathology
- Mickey Alton McClendon, Corvallis

  Mathematics
- Harriet Kling McCune, Eugene Foods and Nutrition
- Lowell Robert McDaniel, Spokane, Washington Physics
- Audrey Evelyn McDaniels, Corvallis General Science
- \*Terry Earl McEwen, Bellingham, Washington Chemistry
- \*Joyce Craig McFetridge, Astoria General Science
- Patricia Ann McGregor, McMinnville Health Education
- Catherine Lydia McKern, Brownsville General Science
- John Walter McLoughlin, Grants Pass Farm Crops
- \*James Daryl McMullen, Portland General Science
- \*Marilyn Winnifred Mack, Klamath Falls Family Life
- Angus James Mackay, Mill Valley, California Geophysics
- \*Emma Jeanne Mackie, Tangent Family Life
- \*Joseph Walter MacQuade, Jr., Marblehead, Massachusetts General Science
- \*George Arthur Makela, Belfair, Washington General Science
- \*Duane Everett Marshall, Newberg General Science
- Duane Collins Martin, Kirkland, Washington Civil Engineering

- \*Roy Charles Martin, Yreka, California Civil Engineering
- Andres Martinez, Corvallis
- Rodolfo del Mundo Matienzo, Philippines
  Agricultural Economics
- Herman Skinner Meister, Corvallis Entomology
- Joseph Edward Melter, Corvallis General Science
- \*Stanley Kent Meyers, Richland, Washington Mechanical Engineering
- \*William Eugene Miller, Angwin, California
  Mathematics
- \*Rex LeRoy Mills, Monroe General Science
- Saylor Smith Milton, Santa Paula, California General Science
- Alan Lathrop Moquin, Tulsa, Oklahoma Chemistry
- Darrell Wayne Monroe, Orinda, California Civil Engineering
- Barbara Ann Montag, Vancouver, Washington Home Economics Education
- \*Anne Moody, Bend Zoology
- Edward Robert Mooney, Jr., Corvallis Electrical Engineering
- Marilyn Ann Morgan, East Orange, New Jersey General Science
- Richard Linke Morine, Portland General Science
- Hiro Moriyasu, Portland Electrical Engineering
- Lesley Frances Morris, Corvallis Family Life
- Karen June Morrison, Chula Vista, California General Science
- Thomas Earl Morse, East Wenatchee, Washington Fisheries and Wildlife
- \*James Kay Muntzert, Colorado Springs, Colorado Geology

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- \*Raymond Earl Myers III, Corvallis General Science
- James Harold Nail, Jr., Richland, Washington Nuclear Engineering
- Kenji Dennis Nakamura, Turlock, California *Microbiology*
- Dominic Chika Nduaguba, Corvallis Agricultural Engineering
- Mary Nee, Corvallis Chemistry
- Dien Thi Nguyen, South Vietnam General Science
- Clarence Anthony Nichols, Guyana Civil Engineering
- Galen Bernard Nielsen, Monmouth General Science
- \*John Edward Nievaard, Alderwood Manor, Washington General Science
- Gwendolyn Yuk Lan Yuen Nishimura, Honolulu, Hawaii *General Science*
- \*Kathleen Anne Nixon, West Linn General Science
- Wilbert Frederick Noltemeyer, Corvallis General Science
- William Edward Noonan, Vancouver, Washington Zoology
- \*Howard Basil Noonchester, Seattle, Washington Mathematics
- \*Paul Alfred Nys, Albany General Science
- Harold Blane O'Connors, Jr., Medford Oceanography
- \*Daniel H O'Dell, Albuquerque, New Mexico General Science
- \*Tharon Earl O'Dell, Corvallis Forest Management
- Visitacion Y Ong, Philippines Biochemistry
- Donald Simms Orth, Corvallis Microbiology
- \*Thomas Ward Osborn III, Delta, Colorado Chemistry

- \*Robert Birger Osland, Lincoln, Nebraska Animal Science
- \*Thomas Gary Owen, North Bend General Science
- Young Hyun Paik, Korea Mathematics
- Gerald Frank Parker, Eugene General Science
- Eric Newell Partch, Berkeley, California Physics
- John Philip Pearson, Chicago, Illinois Fisheries and Wildlife
- \*Jon Richard Pearson, Newberg General Science
- \*Edgar Paul Peloquin, Corvallis Fisheries and Wildlife
- Charles Adrian Peterson, Corvallis Forest Management
- Neal Leslie Peterson, Corvallis Civil Engineering
- \*Roger V Phelps, Milwaukie General Science
- \*Henry Lewis Pittock III, Corvallis Oceanography
- Anton Polensek, Corvallis

  Civil Engineering
- Chirasakdi Poonpol, Thailand Electrical Engineering
- \*Panya Poonyathawon, Thailand Entomology
- Madeline Eleanor Porter, Corvallis
  Clothing, Textiles, and Related Arts
- \*Sherron Harold Porter, Provo, Utah Mathematics
- \*Kathleen Lou Powell, Oxnard, California General Science
- \*Madapatha Mudiyanselage Premaratne, Ceylon General Science
- Robert James Price, Corvallis Food Science
- Edward Rudolph Joseph Primbs, Corvallis Fisheries and Wildlife
- Panchatcharam Ramalingan, India Industrial Engineering
- Henry Lee Ramsey, Yakima, Washington Entomology

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Janice Mary Reeder, Puyallup, Washington General Science
- Philip Daniel Renner, Pittsburgh, Pennsylvania Geography
- \*Roxie Roberta Rhodes, Ashland Chemistry
- \*Jay Norman Robertson, Littleton, Colorado General Science
- Gaston Harold Roca, Chile Agricultural Economics
- Erric Virgil Ross, Bloomington, Illinois Soils
- Amy Hagen Roush, Glen Ellyn, Illinois General Science
- \*Jerril Henry Rustan, New England, North Dakota General Science
- \*James Wesley Sanner, Portland General Science
- James Arnold Schafer, Yakima, Washington Entomology
- Michael Wesley Schlegel, Corvallis Fisheries
- Jonathon Dennis Schreiber, Corvallis Soils
- \*Walter William Schutt, Jr., Salem Forest Management
- Leland Ray Schweitzer, Filer, Idaho Farm Crops
- Bruce Douglas Scott, Corvallis Chemical Engineering
- \*Samuel Robert Scott, Jr., Tigard General Science
- \*Edmond Lee Searcy, Corvallis Pharmacy Administration
- Junpei Sekino, Corvallis Mathematics
- \*Marlyn Lyle Shelton, Stayton Geography
- Roger Tokumi Shigehara, Papaikou, Hawaii Mechanical Engineering
- Eugene Donald Silovsky, Topeka, Kansas Fisheries and Wildlife
- Phojana Simasathien, Corvallis Electrical Engineering

- Saroch Sriswasdi Siwamogsatham, Thailand General Science
- Mical Neil Slater, Albany Geology
- Jerry Lee Sloan, Beaverton Food Science
- \*Kenneth Stafford Smith, Citrus Heights, California Mathematics
- \*Susan Jeanne Smith, Vancouver, Washington Statistics
- \*Nathan Beech Smothers, Ferndale, Washington General Science
- Floy Lou Solbeck, Albany General Science
- \*Alexander Chin-Loon Soo, Corvallis Biochemistry
- Pala Sookawesh, Thailand Industrial Engineering
- \*Richard Alan Spaulding, South Pasadena, California Electrical Engineering
- Jon Allen Speir, Corvallis Entomology
- \*Henry Vincent Steinkamp, Springfield Civil Engineering
- \*Jerrold Robert Stevens, Sweet Home General Science
- Mary Lee Stevenson, Claremont, California
  General Science
- Alan Robert Stoebig, Corvallis Mathematics
- Lawrence William Stolte, Corvallis Fisheries and Wildlife
- Juan Bautista Stredel, Venezuela Agricultural Economics
- Peter Morton Swearengen, Fullerton, California Biochemistry
- Ann Robinson Swindell, Raleigh, North Carolina Statistics
- Robert Malcolm Swindell, Raleigh, North Carolina Biochemistry

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- William Evans Sype, Corvallis Zoology
- \*Harry Dale Tatum, Robinson, Kansas General Science
- Frank Farnham Taylor, Ellensburg, Washington Biochemistry
- Patrick John Thomas, Minneapolis, Minnesota Physics
- Clyde Aaron Thompson, Sweet Home General Science
- \*George Allen Tinker, Lake Oswego General Science
- Ronald Winston Tobias, Philomath General Science
- \*Rena Faye Toliver, Monterey, California Family Life
- \*John Gregory Topping, Stayton Mathematics
- William Albert Tryon, Pullman, Washington Mathematics
- Juan Solar Valenzuela, Chile Horticulture
- Kriangkrai Vanichapongsa, Corvallis General Science
- \*John Francis Vesecky, Timken, Kansas Farm Crops
- \*Sharon Ann Vesecky, Timken, Kansas
- Fredrick Rudolph Vigil, Espanola, New Mexico Farm Crops
- \*Julie Lee Vincent, Haddon Heights, New Jersey Inustrial Engineering
- \*Leslie Alva Walter, Corvallis Microbiology
- \*Kenneth Earl Weaver, Corvallis General Science
- \*Herbert Michael Wehr, Corvallis Food Science
- Nancy Briggs Wehr, Corvallis Microbiology
- Roland Karl Wentzel, San Francisco, California Agricultural Economics

- \*William James Wessell, Corvallis Forest Management
- Gerald Ray Wheeler, Corvallis

  Management Science
- Janet Whinery, Hazelwood, Missouri Microbiology
- Edna White, Salt Lake City, Utah Foods and Nutrition
- Franklin Estabrook White, Jr., Englewood, Colorado Oceanography
- Fred Manual White, Kansas City, Missouri General Science
- \*Ira Robert White, Corvallis Physics
- Robert Manning Whitsett, Corvallis General Science
- \*Thomas Glen Wicklund, Batavia, Illinois Zoology
- Gretchen Wilhelm, Ames, Iowa Mathematics
- Dennis James Wilkins, Sunnyvale, California Electrical and Electronics Engineering
- Donald Arthur Withycombe, Gaston Food Science and Technology
- \*William Wollie Wolcott, Tampa, Florida General Science
- Dennis Tung Wong, Richland, Washington Chemistry
- David Allen Wracher, Oildale, California Geology
- \*Dennis Eugene Wright, McMinnville Mathematics
- \*Jeffrey Lynn Wright, Sherwood Mathematics
- John Roy Young, Grand Junction, Colorado Chemistry
- Jin-chyuan Yu, Corvallis

  Mechanical Engineering
- Martin Joseph Zimmerman, Moro Farm Crops
- Marilyn Helen Zook, Eugene Business Education

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

#### MASTER OF AGRICULTURE

- James Everett Ellis, Salem Soils, Extension Methods, Farm Crops
- \*Clarence William Garcia, Kamuela, Hawaii Farm Crops, Agricultural Economics, Extension Methods
- Henry Scott Johnson, Woodburn Horticulture, Agricultural Economics, Entomology
- Kenneth Paul Knothe, Corvallis
  Range Management, Farm Crops, Soils

- Lek Moncharoan, Thailand Soils, Botany, Geography
- Paul Edward Painter, Tangent
  Wildlite Management, Botany, Veterinary
  Medicine
- Donald Malcolm Taylor, Corvallis Agricultural Economics, Economics, Business Administration

### MASTER OF BUSINESS ADMINISTRATION

- Norris Whittlesey Brown, Corvallis Business Administration
- Ronald Charles Clement, Portland Business Administration
- Clark Elson Crum, El Cerrito, California
  Business Administration
- Clifford Sherman Dalton, Monmouth Business Administration
- John Parker Davenport, Elmhurst, Illinois Business Administration
- Roger Currie Dennis, Portland Business Administration
- Albert Frederic Eger, Canada Business Administration
- \*William Duane Hess, Mapleton Business Administration
- Paul Alan Hollrah, El Reno, Oklahoma Business Administration
- Gerald James Jansen, Salem Business Administration
- Michael Tracey Kolosseus, Corvallis
  Business Administration
- George Stephen Kovats, Seattle, Washington Business Administration

- \*Lynn Roger Leavens, Canada Business Administration
- Stephen Douglas Pancoast, Corvallis Business Administration
- Lowell Harold Peterson, Hobson, Montana Business Administration
- Alan Edmond Ramm, Westfield, New York
  Business Administration
- Richard Newton Reagan, Corvallis Business Administration
- \*James Richard Silkensen, Bend Business Administration
- Jeffrey Wayne Smith, Roseburg Business Administration
- Michael William Stemm, Spokane, Washington Business Administration
- Arthur Steven Tokola, Portland
  Business Administration
- John Marcus Weswig, Corvallis
  Business Administration
- Robert G Willis, Corvallis

  Business Administration
- William Joseph Wright, Corvallis
  Business Administration

#### MASTER OF EDUCATION

- John Heryford Ahlstrom, Grants Pass Agricultural Education
- \*Ernie Tucker Anderson, Dundee Health Education
- \*Harvey Sigval Anderson, Pequot Lakes, Minnesota Education
- \*Frances Faye Ashley, Portland Business Education

- \*Ervin Lee Atkins, Sr., Salem Industrial Education
- Rona Lee Backstrom, Idaho Falls, Idaho Guidance
- \*Bonnie Voyne Baggett, Crescent City, California Business Education
- \*Janice Mary Baginski, Puyallup, Washington Business Education

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Richard Keith Baxter, Corvallis Health Education
- Norman Richard Bengel, Milwaukie Education
- Carol Dianne Bentley, Newberg Education
- \*May Bagnall Bentley, Calistoga, California Business Education
- \*LeRoy Adam Bieber, Del Norte, California Education
- \*Robert Owen Blackman, Jefferson Business Education
- \*Bruce Blake Blevins, Port Townsend, Washington Education
- \*Woodrow John Bozak, Lacey, Washington Education
- \*Joanne Lucille Britton, The Dalles Health Education
- Garland Seth Brooks, Albany Business Education
- \*Carol Jean Brownlow, Monmouth Education
- Maria-Bernarda Burdick, Hood River Education
- \*Julia Ann Burton, Medford Education
- Colleen Sue Buttke, Helix Education
- George Albert Cabrera, Portland Education
- Buddy Lee Calbreath, Valinda, California Health Education
- \*Ann Charlotte Caton, Corvallis Remedial Reading
- \*Christy Andrew Cherbas, Tacoma, Washington Education
- Arthur Russell Christiansen, Salem Guidance
- \*Warren Cole, Salem Business Education
- \*Dennis Eldon Cone, Lake Oswego Guidance
- David Lee Conner, Yakima, Washington Education

- \*David Abraham Coronel, Salem Business Education
- Jon Reid Cottrell, McMinnville Guidance
- \*Bernadine Lewis Crutcher, Henderson, Nevada Education
- \*Rachel Forsythe Dick, Heppner Remedial Reading
- \*James Anthony Dimino, Sacramento, California Education
- Alfreda Mae Ebeling, Molalla Guidance
- \*Ava Jane Edmonds, Corvallis Remedial Reading
- Frances Helen Eger, Canada Education
- Vivian Gay Ellsworth, Corvallis Education
- \*George Kenneth Elwood, Albany Industrial Education
- Josephine F Erikson, Portland Education
- \*Jack Delancy Fallon, Folsom, California Education
- Arthur William Foster, Siletz Education
- Gordon David Franke, Mitchell Health Education
- \*Gloria Lou Garland, McMinnville Guidance
- \*Ervin Carl Garrison, Milwaukie Education
- Paul Randolph Gefroh, Siletz Education
- \*Carol Elizabeth Girt, Bay City Education
- \*Minnie Marie Gnos, Albany Remedial Reading
- \*Kenneth LaVern Goodwin, Albany Education
- \*Joyce Marion Gorham, Portland Guidance
- \*George Harold Grant, Seattle, Washington Education

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- \*Nancy Earle Grediagin, Philomath Remedial Reading
- John Richard Green, Albany Guidance
- Robert Wayne Griffiths, Santa Rosa, California Education
- \*Rose Ann Hadaller, Kelso, Washington Education
- Susan Kathleen Halton, Portland Education
- Louis Allen Hamner, Newberg Guidance
- \*Shelly Kay Harris, Woodburn Education
- David Barnet Harrison, Shelton, Washington Remedial Reading
- George Albert Hash, Hermiston Business Education
- Richard Lee Haury, Portland Education
- Lee Gerald Heckathorn, Brownsville Education
- \*Argyll Crook Hensley, Portland Guidance
- Marvelyn Kaye Hess, Hillsboro Business Education
- \*John Lawrence Hilgers, Fairmont, Minnesota Guidance
- \*Larry Malcolm Hill, Salem Industrial Education
- Lloyd Isamu Hisaka, Haina, Hawaii Health Education
- Patricia King Ho, Corvallis Education
- Mary Jo Holum, Salem Education
- \*Michael Evan Homenuk, Canada Guidance
- \*Kathleen Lucille Hreha, Eugene Business Education
- Tran Hue, Corvallis Education
- Rosemary Ide, Zillah, Washington Education
- Elizabeth Jones Ingersoll, Portland Education

- \*Priscilla Anne Jacobson, North Bend Education
- Clella Fernne Jaffe, Lebanon Education
- \*Robert Stewart Jensen, Portland Guidance
- \*Barbara Joy Johnson, Forest City, Iowa Business Education
- \*Jesse Morris Jones, Jr., Salem Education
- Richard Emil Karnuth, Vancouver, Washington Guidance
- Barbara Jane Keir, Coquille Education
- \*Francis McKinley Kirk, Jr., Camas, Washington Guidance
- Edith Anne Knight, Randolph, Texas Education
- Richard Paul Knights, Salem Education
- Elaine Mary Kodama, Corvallis Guidance
- Wayne Irvin Kreger, Philomath Industrial Education
- Joyce Marie Kuharchuk, Canada Guidance
- \*Wayne Louis Ladenburger, Salem Guidance
- \*Darrell Edwin LaRue, China Lake, California Education
- \*Michael Allen Leahy, Olympia, Washington Education
- \*Agnes Horton Leaton, Moses Lake, Washington Guidance
- Roger Leland Lehnert, Corvallis Education
- \*Thomas Wade Lindsey, Albion, Indiana Guidance
- Terence Benjamin Lofsvold, Corvallis

  Education
- \*Horace William Ludwig, Kent, Washington Industrial Education
- \*Donald Arthur McCarty, Portland Guidance

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Mary Louise McCarthy, Corvallis
  Guidance
- \*Ruth Wilson McKibben, Sheridan Guidance
- Thomas William Marchant, North Bend Education
- Sharon Kay Marion, Albany Health Education
- David Herbert Marlette, Stockton, California Education
- Perry Cecil Marmon, Albany Education
- Donna Rae Marsh, Coos Bay Education
- Dennis Shunji Masui, Honolulu, Hawaii Guidance
- \*Joyce Larraine Medlock, College Place, Washington Business Education
- \*Sharon Elaine Meister, Canada Business Education
- \*Jean Matsumura Miyahira, Honolulu, Hawaii Education
- Thomas Peter Mohrman, Williston Park, N. Y. Education
- \*Charles Louis Moore, Jr., Rogue River Guidance
- \*Jack Ronald Murphy, Tacoma, Washington Education
- Charles Joseph Namit, Portland Education
- Roger Christian Nawrocki, Klamath Falls Education
- Daniel Eugene Nelson, Eugene Industrial Education
- Rosemary Evans Nichol, Tidewater Education
- Glen David Nielsen, North Bend Business Education
- \*Thelma Valdez Nixon, Tacoma, Washington Education
- \*David Dallas Obert, Elgin Guidance
- Virginia Ann O'Donnell, Portland Education

- \*Donald Wilbur Oldenstadt, Tualatin Education
- Paul E Olsen, Amboy, Washington Agricultural Education
- \*Richard Louis Osterman, Springfield Industrial Education
- Nancy Caroline Parks, Corvallis Remedial Reading
- \*Ernest Frederick Paterson, Central Point Guidance
- Rodman Hunter Peil, Salem-Education
- Carole Elizabeth Perkins, Winlock, Washington Education
- \*Edward Bunice Putman, Klamath Falls Industrial Education
- Allyn Stanley Pollock, Tacoma, Washington Education
- Margaret Elizabeth Pranger, Corvallis Business Education
- Helen Irene Price, Newport Guidance
- Jo Anne Johnson Pubols, San Bruno, California Guidance
- \*Lois Pye, Corvallis Education
- William Peter Rawlusyk, Canada Guidance
- Darlene Ottilie Reese, Hillsboro Education
- Jacqueline Lee Rice, Portland Education
- \*Harold Edward Richards, Kennewick, Washington Industrial Education
- Victor Matthew Rini, Beaverton Education
- Henry Charles Rivera, Corvallis Health Education
- Judith Lynne Rogers, Missoula, Montana Business Education
- Sally Dean Rondeau, Corvallis Business Education
- Sara Margaret Rothfuss, Albany Business Education

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

- Ari Arijayo Sahachartkosi, Corvallis Guidance
- \*Robert Clifton Schaal, Laurel, Montana Industrial Education
- \*Robert Dale Schmeichel, Roseburg Business Education
- \*James Calvin Schock, Eugene Industrial Education
- \*Paul Stanley Seale, Corvallis Health Education
- Meredith Lee Sheehy, Portland Guidance
- Ronald Dale Shoemaker, Elk, Washington Education
- Eugene Yoshitada Shoji, Prineville Business Education
- \*Franklin Thomas Showers, West Linn Industrial Education
- Frank Alexander Sinclair, Olympia, Washington Education
- Gene Duane Snippen, Bend Education
- Loren Douglas Solum, Wallace, Idaho Health Education
- \*Anne,Marie Stangeland, Newport Remedial Reading
- Mary Janet Steinmetz, Portland Education
- Janet Stephine Stennick, Lebanon Business Education
- George Winford Stinson, Corvallis Education
- Mavourn Adeline Stuart, Riddle Remedial Reading
- \*Sa-Ngah Suebsahagarn, Pacific Grove Education
- Ratchanee Sukonthamat, Thailand Education
- \*Irma Lefler Sullivan, Oregon City Education
- David Charles Sund, Hoodsport, Washington Guidance
- \*M Jean Sweeten, Albany Education

- Phyllis Mae Templin, Corvallis Health Education
- Linda Alice Therou, Corvallis Guidance
- \*Kay Hillard Thomas, Olympia, Washington Education
- \*C Dorcas Tomlinson, Portland Guidance
- \*James Wayne Tool, New Brighton, Minnesota Guidance
- \*Sandra Anita Tool, New Brighton, Minnesota Remedial Reading
- Hartley Llewellyn Troftgruben, Milwaukie Business Education
- Oertel Frank Van Horn, Oak Grove Guidance
- Albert John Walczak, Albany Business Education
- John Robert Walker, Corvallis Education
- Jimmie Boyd Wallace, Corvallis Industrial Education
- \*Leaette Grace Ward, Brookings Business Education
- \*Gary Philip Weber, Salem Guidance
- Donna Dey Wendling, Kent, Washington Guidance
- \*Robert Clifford Whittle, Olympia, Washington Education
- \*Isabel Kemp Widicus, Corvallis Guidance
- Yvonne Alice Wiese, Wauwatosa, Wisconsin Remedial Reading
- \*Victor Fred Williams, Lakeview Education
- Alynne Lynore Willis, Corvallis Education
- \*Selmer Franz Wogan, Klamath Falls Education
- Darryl Leon Womack, Hines Health Education
- \*Shirley Mabel Wong, Canada Business Education

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

Raymond Linden Woods, Hood River Education

Kathryn Alice Wright, Junction City Guidance

Kathleen Louise Yarnell, Portland Education Fa-jaw Yeh, Corvallis
Health Education

Janette Alta Young, Mankato, Minnesota Health Education

#### MASTER OF ENGINEERING

Robert Allen Fronk, Jr., Hood River Civil Engineering Donald Walter Haslem, Portland Civil Engineering

### MASTER OF FORESTRY

Lyle Duane Ang, Jr., Tarzana, California Forest Management

\*Gene Francis Cole, Sparks, Nevada Forest Management

William Allen Groman, Corvallis Forest Management

Rowan Carl Hinds, Longview, Washington Forest Management

Soon-Koo Hong, Korea Forest Management

James Raymond Kochanek, Boynton Beach, Florida Forest Management

Richard Peter Milanese, Albany Forest Management

David William Phillips, Redding, California Forest Management

Eric Leon Stone, Jr., Bethany, Connecticut Forest Management

#### MASTER OF HOME ECONOMICS

Patricia Kathryn Hammond, Salem Home Economics Education

\*Carolyn May Hasley, Searsboro, Iowa General Home Economics

\*Bertieann Story Levings, Kelso, Washington General Home Economics

\*Villa Ruby Rexford, Emmett, Idaho Family Life \*Linda Lucille Sartain, Fallbrook, California Home Economics Education

\*Kathryn Ann Shryock, Salem Home Economics Education

\*Lillian Mae Walston, San Bernardino, California Home Economics Education

#### MASTER OF PHARMACY

David Arthur Anderson, Salem Pharmaceutical Science

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

## **Doctor's Degrees**

#### DOCTOR OF EDUCATION

\*Gwyneth Elaine Britton, Portland B.S., 1957, Lewis and Clark College Ed.M., 1963, University of Oregon Major: Education

Major Professor: N. D. Marksheffel

Thesis: A Comparison of the Inductive and Deductive Group Approaches in Teaching Selected Phonic Generalizations to Second Grade Children.

Marleau Smith Harris, Corvallis

B.S., 1949, Oregon College of Education Ed.M., 1953, University of Oregon

Major: Education

Major Professor: H. Ten Pas

Thesis: The Effects of Work Experience Programs on Disadvantaged Ninth Grade Students in Corvallis, Oregon.

\*Bruce Carl Lenmark, Bakersfield, California B.A., 1954, M.A. ,1959, Fresno State College

Major: Education

Major Professor: P. H. Atteberry

Thesis: A Comparison of the Scholastic Achievement of Oregon Community College Transfer Students with that of Native Students at Oregon State University.

\*James Gerald Mitchell, Chico, California B.S., 1960, M.S., 1962, University of California

Major: Education

Major Professor: L. Beals

Thesis: An Appraisal of Evening Community College Student Personnel Services in Western United States.

Bruce Edward Nelson, Medford

B.A., 1950, Ed.M., 1958, University of Oregon

Major: Science Education

Major Professor: H. L. Wilson

Thesis: The Relationship of Mathematics in Oregon High Schools to Placement and Success in First-Year Mathematics at Oregon State University.

\*Louis Francis Rochon, Salem

B.A., 1960, Western Washington State College Ed.M., 1964, Oregon State University

Major: Education

Major Professor: J. V. Hall

Thesis: The Emerging Role of the Teacher Aide in Oregon Public Schools.

Charles Edward Smith, Seaside

B.S., 1949, Oregon College of Education

M.Ed., 1958, University of Oregon Major: Education Major Professor: L. Beals

Thesis: A Survey of Cooperative Work-Experience Programs in the State of Oregon and Other Selected States.

Robert Ells Wiper, Deerfield, Illinois

B.A., 1951, M.A., 1957, Willamette University

Major: Education

Major Professor: T. Yerian

Thesis: The Effectiveness of Audio-Monaural Equipment in Skill-Building in Typewriting.

Robert Hume Young, Canada

B.Ed., 1961, University of British Columbia

Ed.M., 1965, Oregon State University

Major: Guidance

Major Professor: D. Baron

Thesis: Current Practices in Guidance Services in the Secondary Schools of British Columbia.

#### DOCTOR OF PHILOSOPHY

Wesley James Adams, Corvallis

B.S., 1960, M.S., 1962, University of Wisconsin

Major: Family Life

Major Professor: L. A. Kirkendall

Thesis: Sex Composition in Group Discussion as Related to Acquisition of Knowledge and Attitudinal Change Among Women in a Family Life Course.

Charles Anthony Allen, Parlin, New Jersey

B.S., 1962, Ottawa University

Major: Chemistry

Major Professor: W. J. Fredericks

Thesis: Diffusion, Conductivity and Spectral Properties of Mercury II Ion in Potassium Chloride

Ronald Gail Altig, State College, Mississippi

B.S., 1963, University of Illinois

M.S., 1965, Southern Illinois University

Major: Zoology

Major Professor: R. M. Storm

Thesis: Developmental Cranial Osteology of Three

Species of Rana (Anura).

Eugene Armin Anderes, La Mesa, California B.A., 1953, M.S., 1961, San Diego State College Major: Microbiology Major Professor: W. E. Sandine Thesis: A Study of the Lipids of Pseudomonas aeruginosa, Sensitive and Resistant to Chloram-

phenicol and Quaternary Ammonium Compound.

Farag Abdel-Salam Attia, Corvallis

B.S., 1960, Ain Shams University

M.S., 1965, Purdue University

Major: Mathematics

Major Professor: W. M. Stone

Thesis: On the Distribution Function of the Interval Between Zero-Crossings of a Stationary Gaussian

Robert Craig Averett, Corvallis

B.S., 1957, Oregon State University M.S., 1963, University of Idaho

Major: Fisheries and Wildlife Major Professor: C. E. Warren

Thesis: Influence of Temperature on Energy and Material Utilization by Juvenile Coho Salmon.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968,

## \*James Lee Ayres, Corvallis

B.S., 1963, University of Iowa M.S., 1966, Oregon State University Major: Food Science and Technology Major Professor: R. O. Sinnhuber
Thesis: Studies of Aflatoxin B<sub>1</sub> in Rainbow Trout (Salmo gairdneri).

\*Khaja Mohammed Azam, India

B.S., 1960, M.S., 1962, Osmania University Major: Entomology

Major Professor: N. H. Anderson

Thesis: Life History and Production Studies of Sialis californica Banks and Sialis rotunda Banks (Megaloptera:Sialidae).

Raj Bahadur, India

M.S., 1961, Kansas State University Major: Horticulture Major Professor: A. N. Roberts

B.S., 1958, Ludhiana Agriculture College

Thesis: The Substitutional Relationship Between Precooling and Long Days on Growth and Floral Induction of Easter Lily Lilium longiflorum Thunb.

Gerald Merritt Baker, Logan, Utah B.A., 1956, Willamette University M.A., 1959, Indiana University

Major: Botany Major Professor: L. F. Roth

Thesis: The Parasite Aspergillus flavus Link and Other Fungi of the Biosphere of the Alkali Bee Nomia melanderi Ckll., in Eastern Oregon and Washington.

\*Vidya Sagar Bakhshi, India B.A., 1959, M.A., 1963, Delhi University

Major: Mathematics

Major Professor: M. N. L. Narasimhan Thesis: Boundary Layer Transition.

## \*Richard Charles Banks, Caldwell, Idaho

B.S., 1963, College of Idaho Major: Chemistry

Major Professor: E. N. Marvell Thesis: I. Isolation of Certain Toxic Components of Kraft Mill Waste and Attempts to Determine Their Structure.

II. Studies of the Mechanism of the Cope Rearrangement of 1,2-Divinyl-1,2-Cyclohexanediol.

#### \*Miah Allan Beal, San Diego, California

B.A., 1952, University of Maine M.S., 1960, University of California Major: Oceanography Major Professor: J. V. Byrne Thesis: Bathymetry and Structure of the Arctic

Alan Jackson Beardsley, Seattle, Washington

B.A., 1964, Willamette University Major: Fisheries and Wildlife Major Professor: H. F. Horton

Ocean.

Thesis: Movement and Angler Use of Four Foodfishes in Yaquina Bay, Oregon.

## \*Thomas Miles Beasley, Seattle, Washington

B.A., 1956, Whitman College M.S., 1961, Oregon State University Major: Oceanography Major Professor: C. Osterberg Thesis: Lead-210 in Selected Marine Organisms. \*Charles Ransford Becker, Outlook. Washington

B.S., 1962, University of Washington Major: Chemistry
Major Professor: W. J. Fredericks

Thesis: An Investigation of the Metaborate Monomer and Trimer Ions in Alkali Halide Crystals.

Warren Marcus Blacklow, Canada

B.Agr., 1958, University of Melbourne

M.S., 1966, Cornell University Major: Farm Crops

Major Professor: W. S. McGuire

Thesis: The Physiology of Seasonal Growth in Tall Fescue Varieties (Festuca arundinacea Schreb.).

#### Roger Lee Blaine, Corvallis

B.S., 1965, University of Washington

Major: Chemistry

Major Professor: H. Freund

Thesis: Optimization of the Continuous Analysis
Pearl-Benson Method for Lignosulfonates.

### \*Bolindra Nath Borah, Corvallis

B.Sc., 1955, M.Sc., 1957, University of Gauhati M.S., 1966, Oregon State University

Major: Mathematics

Major Professor: M. N. L. Narasimhan

Thesis: Thermo-Elastic-Plastic Transition.

## Michael Donavon Brady, Ames, Iowa

B.S., 1965, Iowa State University Major: Chemical Engineering Major Professor: C. E. Wicks Thesis: A Study of Thermal Effects Involved in the

Performance of a Wetted-Wall Column.

## Albert Edward Brandenstein, Sunnyvale, California

B.S., 1963, Polytechnic Institute of Brooklyn M.S., 1963, Columbia University Major: Electrical Engineering Major Professor: G. C. Alexander Thesis: Analysis of the D.C. Electric Field for a Pipeline in a Three Layered Earth.

### \*Ronald Glenn Brenchley, St. Anthony, Idaho

B.S., 1964, Brigham Young University M.S., 1967, Oregon State University Major: Farm Crops

Major Professor: A. P. Appleby Thesis: The Response of Tomatoes to Atrazine as Affected by Magnesium and Photoperiod.

#### Norman Arthur Broadhurst, Australia

B.S., 1960, University of Sydney M.S., 1962, University of New England Major: Science Education

Major Professor: F. W. Fox Thesis: Selected Teacher Factors and Learning Outcomes in Chemistry in Selected Non-Departmental Schools in Sydney, Australia.

## Robert Wilbur Brocksen, Corvallis

B.S., 1964, M.S., 1966, Oregon State University Major: Fisheries and Wildlife

Major Professor: C. E. Warren

Thesis: Density Dependent Relationships in Trophic Processes of Simplified Stream Communities.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

## Edmund Darrell Brodie, Jr., Corvallis

B.S., 1963, Oregon College of Education

M.S., 1967, Oregon State University

Major: Zoology

Major Professor: R. M. Storm

Thesis: Geographic Variation and Systematics of the Western Plethodon.

Daniel Wood Bromley, Corvallis

B.S., 1963, Utah State University M.S., 1967, Oregon State University

Major: Agricultural Economics

Major Professor: E. N. Castle
Thesis: Economic Efficiency in Common Property Natural Resource Use: A Case Study of the

Ocean Fishery.

## \*Herbert Ernest Bruce, Juneau, Alaska

B.S., 1950, West Texas State College M.S., 1959, Texas A & M University

Major: Oceanography

Major Professor: H. C. Curl

Thesis: The Role of Dissolved Amino Acids as a Nitrogen Source for Marine Phytoplankton in an Estuarine Environment in Southeastern Alaska.

## Thomas Danforth Burnett, Corvallis

B.S., 1962, M.S., 1964, Oregon State University

Major: Statistics

Major Professor: D. Guthrie

Thesis: Estimation of Stochastically Varying Regression Parameters.

## Robert Charles Carlstrom, Bozeman, Montana

B.S., 1953, Michigan State University

M.S., 1956, University of Idaho

Major: Plant Pathology

Major Professor: R. L. Powelson Thesis: Survival of Verticillium dahliae in Soil.

## Edmund Rene Casillas, Beaverton

A.B., 1959, Chico State College

Major: Biochemistry

Major Professor: R. W. Newburgh

Thesis: Carnitine and Derivatives in Embryonic Chick Tissues

## Harvey Thomas Chan, Jr., Honolulu, Hawaii

B.S., 1963, Oregon State University M.S., 1965, University of Hawaii

Major: Food Science and Technology

Major Professor: H. Y. Yang Thesis: Isolation and Characterization of Some Oxidizing Enzymes of the McFarlin Cranberry.

## \*Aroon Chantanao, Thailand

B.A., 1956, Kasetsart University

M.S., 1960, Oregon State University

Major: Plant Pathology

Major Professor: H. J. Jensen

Thesis: Transmission of Plant Pathogenic Bacteria and a Bacteriophage of Agrobacterium tumefaciens (Smith and Townsend) Conn by a Sap-rozoic Nematode, Diplogaster Lheriteiri Maupas,

## Gary Adair Chapman, Corvallis

B.S., 1959, M.S., 1965, Oregon State University

Major: Fisheries

Major Professor: H. Krueger

Thesis: Toxicity of Pentachlorophenol to Trout

## \* Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

Peter Robert Cheeke, Corvallis

B.S., 1963, M.S., 1965, University of British Columbia

Major: Animal Science

Major Professor: J. E. Oldfield Thesis: Influence of Dietary Selenium on the Distribution of Tritium-Labeled Vitamin E in the

\*Sih Yao Cheng, Hong Kong

B.S., 1958, National Taiwan University M.S., 1962, San Jose State College

Major: Electrical Engineering Major Professor: J. L. Saugen

Thesis: Learning Control of Linear Systems with Periodic Inputs Using a Method of Harmonic Analysis

Glenn Frank Cochrane, Jr., Albuquerque, New Mexico

B.S., 1957, Oklahoma State University M.S., 1961, Kansas State University

Major: Mechanical Engineering

Major Professor: J. R. Welty

Thesis: A Numerical Solution for Heat Transfer to Non-Newtonian Fluids with Temperature-Dependent Vicosity for Arbitrary Conditions of Heat Flux

and Surface Temperature.

Richard William Couch, Corvallis

B.S., 1958, Michigan State University

B.S., 1963, Oregon State University

Major: Geophysics

Major Professor: P. Dehlinger

Thesis: Gravity and Structures of the Crust and Subcrust in the Northeast Pacific Ocean West of

Washington and British Columbia.

\*Joe Richard Cowles, Corvallis

B.S., 1963, Western Kentucky State College

M.S., 1965, University of Kentucky

Major: Botany

Major Professor: H. J. Evans

Thesis: Some Properties of Ribonucleotide Reductase in Rhizobium Species.

## Gary Edward Daterman, Corvallis

B.A., 1962, University of California M.S., 1964, Oregon State University

Major: Entomology

Major Professor: P. O. Ritcher

Thesis: Mating Behavior of the European Pine Shoot Moth Rhyacionia buoliana (Schiffermuller)

(Lepidoptera: Olethreutidae).

#### Emit Bernard Deal, Corvallis

B.S., 1963, University of Georgia Major: Agricultural Economics

Major Professor: F. J. Smith

Thesis: Economic Feasibility of Synchronization of Estrus for Selected Beef Cattle Operations.

Roger Kent Deimal, Ontario

B.A., 1963, Westmont College M.S., 1967, Oregon State University

Major: Entomology

Major Professor: V. J. Brookes

Thesis: Partial Characterization of the Yolk Protein of Leucophaea maderae (Fab.) with Emphasis on Changes During Oocyte Development.

## \*Dennis Richard Delzer, Spokane, Washington

B.S., 1965, Washington State University M.S., 1967, Oregon State University Major: Electrical Engineering Major Professor: J. C. Looney

Thesis: Vacuum Evaporated Dielectrics in MOS Structures.

### Warren Wilson Denner, Monterey, California

B.S., 1961, Portland State College M.S., 1963, Oregon State University Major: Oceanography

Major Professor: S. Neshyba

Thesis: The T-S Gradient Method, A New Method of Computing Geostrophic Currents over Large Ocean Areas.

## \*Clifford Owen Denney, Portland

B.S., 1959, Portland State College M.S., 1966, Oregon State University

Major: Science Education Major Professor: F. W. Fox

Thesis: A Comparison of Student Performance in Lower Division Collegiate General Chemistry Programs Between Selected Community Colleges and Four-Year Institutions in Oregon.

## Thomas Howard Dietz, Corvallis

B.S., 1963, M.S., 1965, Washington State University

Major: Zoology

Major Professor: R. H. Alvarado

Thesis: Osmotic and Ionic Regulation in the Earthworm Lumbricus terrestris.

## George Joseph Dooley III, Kettering, Ohio

B.S., 1963, University of Notre Dame M.S., 1966, Iowa State University Major: Mechanical Engineering Major Professor: W. D. McMullen

Thesis: Effects of Selected Minor Alloying Additions on the Structure and Deformation Characteristics of Beryllium.

## John Jerome Dropp, Hyattsville, Maryland

B.S., 1962, Washington and Jefferson College M.S., 1964, Ohio University

Major: Zoology

Major Professor: H. H. Hillemann

Thesis: The Histogenesis and Mode of Growth of the Choroid Plexuses of the Hamster (Mesocricetus auratus).

## \*Paul Richard Ecklund, Georgetown, Colorado

B.A., 1964, Western State College of Colorado Major: Botany

Major Professor: T. C. Moore

Thesis: Physiology of Senescence of the Shoot Apex in Pisum sativum L.

## \*Alan Winthrop Ede, Orono, Maine

B.S., 1955, Worcester Polytechnic Institute M.S., 1963, University of Maine

Major: Electrical Engineering Major Professor: J. C. Looney

Thesis: Space-Charge-Limited Currents in Silicon Using Gold Contacts.

#### Alan Ryan Ek, Canada

B.S., 1964, University of Minnesota Major: Forest Management Major Professor: J. R. Dilworth

Thesis: A Comparison of Some Estimators in Forest Sampling.

## David Arthur Emilia, Bethel, Connecticut B.S., 1963, Fairfield University

M.S., 1965, Northeastern University

Major: Geophysics

Major Professor: G. Bodvarsson

Thesis: Numerical Methods in the Direct Interpretation of Marine Magnetic Anomalies.

## George Osgood Estes, Corvallis

B.S., 1958, M.S., 1960, University of Maine

Major: General Science

Major Professor: D. L. Willis

Thesis: The Influence of Dimethyl Sulfoxide (DMSO) on Growth and the Uptake of Nutritive Elements in Phaseolus vulgaris L. and Solanum tuberosum L.

#### \*Jay Fredrick Evett, Monmouth

B.S., 1953, B.S., 1957, Washington State University

M.S., 1958, Northwestern University Major: Biophysics

Major Professor: I. Isenberg

Thesis: The Interaction of Polylysine with DNA as Studied by Polarization of Fluorescence.

## \*Felix Favorite, Seattle, Washington

B.S., 1955, M.S., 1965, University of Washington Major: Oceanography

Major Professor: J. G. Pattullo

Thesis: Geostrophic and Sverdrup Transports as Indices of Flow in the Gulf of Alaska.

## Nicolai Alexander Favstritsky, Corpus Christi, Texas

B.S., 1963, University of California M.S., 1965, Yale University

Major: Chemistry

Major Professor: J. L. Kice

Thesis: The Kinetics and Mechanisms of the Cleavage of Some Sulfur-Sulfur Bonds.

#### Luis Fernan Figuerola, Mountain View, California

B.S., 1961, Universidad Agraria

M.S., 1966, East Texas State University

Major: Farm Crops

Major Professor: W. R. Furtick

Thesis: The Influence of Various Climatic and Edaphic Factors on the Toxicity of 2-Tert. butylamino-4-ethylamino-6-methylthio-s-triazine (Igran) to Winter Wheat (Triticum aestivum Vill., Host).

## Terrence Dennis Fitzgerald, West Seneca,

New York

B.S., 1963, State University of New York M.S., 1966, State University of New York Major: Entomology

Major Professor: W. P. Nagel

Thesis: The Bionomics of Medetera aldrichii
Wheeler (Diptera: Dolichopodidae) in Western Oregon.

## Robert Ross Fossum, Los Altos, California

B.S., 1951, University of Idaho M.S., 1956, University of Oregon

Major: Statistics

Major Professor: D. Guthrie

Thesis: Models for Statistical Dynamic Prediction of the 500-Millibar Surface.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

## Scott Wellington Fowler, Claremont, California

B.A., 1964, University of California, Riverside M.S., 1966, Oregon State University

Major: Oceanography

Major Professor: L. F. Small

Thesis: The Distribution and Transfer of Zinc-65 Accumulated from Food and Seawater by Three Marine Crustaceans.

### \*Rolf Steven Gabrielsen, Corvallis

B.S., 1964, Washington State University

Major: Chemistry

Major Professor: J. L. Kice

Thesis: The Thermal Decomposition of Alkyl Benzenediazo Sulfones.

## John Neil Gallagher, Corvallis

B.A., 1961, Willamette University

M.S., 1964, Oregon State University

Major: Geophysics

Major Professor: D. F. Heinrichs

Thesis: A Method for Determining the Source Mechanism in Small Earthquakes with Application to the Pacific Northwest Region.

## Kenneth Oakland Gamon, Ellensburg,

Washington

B.A., 1959, Eastern Washington College of Education

M.S., 1961, Oregon State University

Major: Mathematics

Major Professor: F. Oberhettinger

Thesis: The Propagation of Waves and Pulses in the Presence of Conical Structures.

#### \*Dennis Charles Gaswick, Hay Springs. Nebraska

B.A., 1964, Nebraska Wesleyan University

Major: Chemistry

Major Professor: J. H. Krueger

Thesis: A Kinetic Investigation of the Mechanism and Intermediates of the Chromium (VI)-lodine Reaction.

## Kenneth Charles Gibbs, Philomath

B.S., 1964, Colorado State University M.S., 1966, Oregon State University

Major: Agricultural Economics

Major Professor: H. H. Stoevener

Thesis: The Estimation of Recreational Benefits Resulting from an Improvement of Water Quality in Upper Klamath Lake: An Application of a Method for Evaluating the Demand for Outdoor Recreation.

## Beryl Mansfield Green, Portales, New Mexico

B.S., 1956, Eastern New Mexico University

M.S., 1959, Eastern New Mexico University

Major: Mathematics

Major Professor: D. H. Carlson
Thesis: Characterizations of Matrices for Which Certain Determinantal Equalities Hold.

## Robert Aaron Gregory, Beltsville, Maryland

B.S., 1952, Cornell University M.F., 1954, Yale University

Major: Botany

Major Professor: F. H. Smith

Thesis: Seasonal Pattern of Secondary Growth in Stems of Northern White Spruce (Picea glauca (Moench) Voss).

## Gary Bruce Griggs, Santa Cruz, California

B.A., 1965, University of California

Major: Oceanography

Major Professor: L. D. Kulm

Thesis: Cascadia Channel: The Anatomy of a Deep-Sea Channel.

\*Drannan Carson Hamby, McMinnville

B.A., 1955, Linfield College

M.A., 1961, Oregon State University

Major: Chemistry

Major Professor: A. B. Scott

Thesis: The Thermodynamic Properties of Molten Mixtures of Some Transition Metal Halides with Some Alkali Halides.

### Gary David Hansen, Oregon City

B.S., 1958, Utah State University

M.A., 1960, University of Minnesota

Major: Home Management

Major Professor: M. A. Plonk

Thesis: Home Managerial Tasks, Perceived Competence, and Related Social, Psychological, and Economic Consequences for Retired Couples.

#### Eugene William Hansmann, Corvallis

B.S., 1956, M.S., 1963, Michigan State University

Major: Botany

Major Professor: H. K. Phinney Thesis: The Effects of Logging on Periphyton Communities of Coastal Streams.

## James Douglas Harper, Corvallis

B.S., 1964, M.S., 1965, University of Illinois

Major: Entomology

Major Professor: C. G. Thompson
Thesis: Effects of Single and Simultaneous Challenges Using DDT and a Nuclear Polyhedrosis Virus Against the Variegated Cutworm, Peridroma saucia Hbn.

## Charles Richard Hazel, Orangevale,

California

B.S., 1961, M.S., 1963, Humboldt State College Major: Fisheries

Major Professor: C. E. Bond

Thesis: Limnology of Upper Klamath Lake, Oregon, with Emphasis on Benthos.

## David George Hinks, Beaver Dam, Wisconsin

B.S., 1962, Illinois Institute of Technology

Major: Chemistry

Major Professor: A. B. Scott

Thesis: The Effect of Impurities on the Gamma-Ray Coloration of Potassium Chloride Crystals.

#### \*Ivan Gregory Holmes, Berrien Springs, Michigan

B.S., 1957, M.S., 1961, Arizona State University

Major: Chemistry

Major Professor: M. B. Williams

Thesis: An Investigation of the Absorption Spectra of EGTA Metal Complexes and the Development of Spectrophotometric Methods for the Analyses of Copper, Erbium, Europium, Holmium, Neodymium, and Praseodymium.

## Wylie Buress Homesley, Creve Coeur,

Missouri

B.S., 1962, M.S., 1963, Texas A & M University Major: Farm Crops

Major Professor: W. R. Furtick

Thesis: The Influence of Selected Environmental Factors on Diuron Toxicity to Winter Wheat.

#### Jacqueline Elizabeth Hucko, Germany

B.S., 1960, University of Chicago

M.S., 1963, Florida State University

Major: Biochemistry

Major Professor: D. J. Reed

Thesis: Studies on the Inhibition of Bovine Plasma Amine Oxidase by Hydrazines.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

## \*Paul Edwin Humes, Baton Rouge, Louisiana B.S., 1964, Washington State University

Major: Genetics Major Professor: R. Bogart

Thesis: Estimates of Combining Abilities, Heterotic Effects and Phenotypic Correlations Among Inbred Lines of Beef Cattle and Their Linecrosses.

## Robert Carl Johnson, Crawfordsville, Indiana

B.A., 1963, Eastern Washington State College M.A., 1966, Oregon State University

Major: Mathematics

Major Professor: J. W. Smith

Thesis: Equivarient Stiefel-Whitney Classes.

## Tod Schaefer Johnson, Corvallis

B.S., 1962, Pacific University M.S., 1966, Oregon State University

Major: General Science

Thesis: Cellular Dynamics of the Intestinal Epithelium of Coho Salmon, Oncorhynchus kisutch, as Influenced by Temperature and X-Rays.

## \*Peter Campbell Kerridge, Australia

B.Ag., 1958, M.Ag., 1964, University of Queensland Major: Soils

Major Professor: D. P. Moore

Thesis: Aluminum Toxicity in Wheat (Triticum Aestivum Vill., Host).

## Richard Albert Kimerle, Berkley, Missouri

B.S., 1963, M.S., 1965, Missouri University

Major: Entomology

Major Professor: N. H. Anderson

Thesis: Production Biology of Glyptotendipes barbipes (Staeger) (Diptera:Chironomidae) In a Waste Stabilization Lagoon.

#### Benjamin Jeffry Korgen, Corvallis

B.S., 1956, University of Minnesota

M.A., 1958, University of Michigan

Major: Oceanography Major Professor: G. Bodvarsson

Thesis: Temperature and Velocity Fields Near the Deep Ocean Floor West of Oregon.

## \*Jay Samuel Krammes, Glendora, California

B.S., 1958, M.S., 1963, Montana State University

Major: Forest Management

Major Professor: J. T. Krygier

Thesis: Hydrologic Significance of the Granitic Parent Material of the San Gabriel Mountains, California.

## William Louis Lappenbusch, Bellingham, Washington

B.S., 1964, University of Washington M.S., 1966, University of New Mexico

Major: General Science

Major Professor: D. L. Willis
Thesis: The Effect of Dimethyl Sulfoxide (DMSO) on the Radiosensitivity of the Rough-Skinned Newt (Taricha granulosa).

## Dennis Merle Lehmkuhl, Onida, South Dakota

B.A., 1964, M.A., 1966, University of Montana

Major: Entomology

Major Professor: N. H. Anderson

Thesis: Biology and Downstream Drift of Some Oregon Ephemeroptera.

### \* Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

Ching Yan Li, Corvallis

Emory Marion Levant, Corvallis

Major Professor: A. W. Anderson

B.Sc., 1954, South Carolina State College M.Sc., 1958, Howard University Major: General Science

B.S., 1960, National Taiwan University M.S., 1963, Oklahoma State University

Major: Microbiology

Major Professor: W. B. Bollen
Thesis: Biological Influence of Red Alder on Poria weirii and Other Root Rot Pathogens.

Thesis: In Vitro Identification of Clostridium Bo-

tulinum by Means of Extracellular Enzyme Tests.

## Claude Steward Lindquist, Newport Beach,

California

B.A., 1963, University of Redlands B.S., 1963, Stanford University M.S., 1964, Oregon State University Major: Electrical Engineering

Major Professor: L. C. Jensen

Thesis: Analysis and Synthesis of Active Transmission Lines.

## Fredrick Thomas Lindstrom, Corvallis

B.S., 1963, M.S., 1965, Oregon State University

Major: Mathematics

Major Professor: W. M. Stone

Thesis: A Mathematical Model Simulating Mass Transport of Chemicals in Saturated Porous Media.

### David Hvuk Wui Liu, Richland, Washington

B.S., 1958, University of Michigan

M.A., 1960, University of Oregon

Major: Fisheries

Major Professor: H. Krueger

Thesis: Alterations of Carbohydrate Metabolism by Pentachlorophenol in Cichlid Fish.

## Jon Michael McCormick, Millersville.

Pennsylvania B.S., 1963, Portland State College

M.S., 1965, Oregon State University Major: General Science

Major Professor: H. F. Frolander

Thesis: Hydrographic and Trophic Relationships of Hydromedusae in Yaquina Bay, Oregon.

## Harold LeRoy McIntosh, Tarkio, Missouri

B.A., 1953, Tarkio College

M.S., 1961, Colorado University Major: General Science

Major Professor: D. G. Humphrey

Thesis: An Integrated Physics-Chemistry Course in a Liberal Arts College.

## Reginald Harry McParland, San Bernardino, California

B.S., 1964, California State Polytechnic College Major: Biochemistry

Major Professor: R. R. Becker

Thesis: Purification and Characterization of an Alkaline Phosphatase from Halobacterium sali-

## James Dale Maguire, Pullman, Washington

B.S., 1952, Washington State University M.S., 1957, Iowa State University

Major: Farm Crops

Major Professor: D. O. Chilcote

Thesis: Seed Dormancy, Germination and Seedling Vigor of Some Kentucky Bluegrass (Poa pratensis L.) Varieties as Affected by Environmental and Endogenus Factors.

## William Alphonsus Mannion, Sunnyvale,

B.S., 1963, University of Santa Clara

Major: Chemistry
Major Professor: W. J. Fredericks

Thesis: A Study of the Mn+2 and Pb+2 -Mn+2 Impurity Systems in Alkali Chlorides.

## Hassan Aly Melouk, Prosser, Washington

B.S., 1962, Alexandria University

M.S., 1966, Oregon State University

Major: Botany

Major Professor: C. E. Horner Thesis: Production of Polygalacturonase and Macerating Enzymes by Phoma methae.

#### William Adams Middleton, Corvallis

B.S., 1960, University of Oregon

M.A., 1965, Los Angeles State College

Major: Mathematics

Major Professor: F. Oberhettinger

Thesis: Electromagnetic Radiation and Heat Conduction Fields Near Coaxial Conical Structures.

## Terry Lee Miller, Boulder, Colorado

B.A., 1964, San Diego State College

Major: Biochemistry

Major Professor: R. R. Becker

Thesis: Physical and Chemical Properties of Ribonuclease T1.

## Ralph Roy Moldenhauer, Huntsville, Texas

B.S., 1960, Michigan State University

M.S., 1965, Oregon State University

Major: Zoology

Major Professor: J. Wiens

Thesis: The Water Economy of the Sage Sparrow, Amphispiza belli nevadensis (Ridgway).

#### \*John Ludwig Morack, Corvallis

B.S., 1961, Union College Major: Physics

Major Professor: C. E. Fairchild

Thesis: Measured Lifetimes for the First Excited J == 1(3P1) Level in Argon and Krypton.

## Max Joseph Morgan, Redondo Beach,

California

B.S., 1959, Oregon State University M.S., 1961, University of Arizona

Major: Electrical Engineering

Major Professor: J. L. Saugen

Thesis: An Interactive Man-Hybrid Computer Parameter Search Algorithm Allowing Experience Dependent Performance Measures for Dynamic System

Design.

### Kenneth Russ Newby, Corvallis

B.S., 1964, College of Idaho

Major: Chemistry

Major Professor: A. B. Scott

Thesis: Some Electrochemical Properties of the Vanadium Pentoxide Electrode.

## Carroll Eugene Nix, Tolar, Texas

B.A., 1964, East Texas State

Major: Genetics

Major Professor: R. Bogart

Thesis: Genetics of Sheep Transferrins as Determined by Disc Electrophoresis.

## \*Larrance Michael O'Flaherty, Blaine, Washington

B.A., 1963, Western Washington State College

M.A., 1966, Oregon State University

Major: Botany

Major Professor: H. K. Phinney

Thesis: Growth of Aphanizomenon flos-aquae in Defined Media.

## \*Eric Panitz, New Rochelle, New York

B.A., 1962, Lehigh University

M.S., 1965, University of Kentucky

Major: Zoology

Major Professor: S. E. Knapp

Thesis: Histochemical Study of Some Enzymes of the Common Liver Fluke, Fasciola hepatica L.

## James Neville Pasley, Philadelphia,

Pennsylvania

B.A., 1961, Westminster College M.A., 1964, University of Missouri

Major: Fisheries and Wildlife

Major Professor: H. Krueger
Thesis: Some Effects of Thyroxine and Pentachlorophenol on the Bioenergetics of Cichlid Fish.

## Charles James Phillips, San Jose, California

B.A., 1948, San Jose State College

M.A., 1949, Stanford University M.A., 1963, San Jose State College

Major: Statistics Major Professor: D. Guthrie

Thesis: Consistent Empirical Approximation of Apriori Distributions.

## John Robert Prince, Olathe, Kansas

B.A., 1958, Northwest Nazarene College

M.S., 1964, Oregon State University

Major: General Science

Major Professor: C. Wang

Thesis: Rate of Catabolic Pathways of Glucose in the Intact Rat.

## \*Richard Paul Quinn, Corvallis

B.S., 1964, University of San Francisco

Major: Biochemistry

Major Professor: R. R. Becker

Thesis: The Purification and Characterization of the Fructose-1,6-Diphosphate Aldolase from Bacillus stearothermophilus (NCA 2184).

## Renuka Raghavan, Long Beach, California

B.A., 1957, Nagpur University

Ed.B., 1958, Delhi University Ed.M., 1960, Smith College Major: Family Life

Major Professor: T. A. Ryan

Thesis: The Relation Between Parental Consistency in Response to Frustration and Children's Imitation of Parental Responses.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

### Howard Edward Reiguam, Corvallis

B.S., 1954, Montana State University M.S., 1957, University of Chicago Major: General Science

Major Professor: W. P. Lowry

Thesis: Construction and Evaluation of an Airshed-Episode Model for Air Resource Management.

## Raymond Zenon Riznyk, Corvallis

B.S., 1965, University of New Mexico Major: Botany

Major Professor: H. K. Phinney

Thesis: Ecology of Benthic Microalgae of Estuarine Intertidal Sediments.

## Andrew Frederick Robinson, Jr., Corvallis

B.S., 1961, University of Idaho M.A., 1967, Oregon State University

Major: Botany

Major Professor: W. W. Chilcote

Thesis: Distribution of Understory Species in Relation to Maximum and Minimum Tree Influence in the Montane Forest of the Central Oregon Cascades

## Larry Maring Rymon, Mt. Bethel, Pennsylvania

B.S., 1958, East Stroudsburg State College M.Ed., 1964, East Stroudsburg State College Major: General Science

Major Professor: R. J. Morris

Thesis: A Critical Analysis of Wildlife Conserva-tion in Oregon.

## Roy Hirofumi Saigo, Eau Claire, Wisconsin B.A., 1962, University of California at Davis

Major: Botany

Major Professor: F. H. Smith

Thesis: Anatomical Changes in the Secondary Phloem of Grand Fir (Abies grandis (dougl.) Lindl.), Induced by the Balsam Woolly Aphid (Adelges piceae Rats.)

## Frank Alan Schmittroth, Kellogg, Idaho

B.S., 1962, M.S., 1962, Oregon State University

Major: Physics

Major Professor: V. A. Madsen

Thesis: A Comparison of Effective Interactions in Nuclear Structure and Scattering.

## Roger Edwin Scholl, Redwood City, California

B.S.C.E., 1960, University of North Dakota M.S.C.E., 1963, University of North Dakota Major: Civil Engineering

Major Professor: H. I. Laursen

Thesis: Dynamic Analysis of Three-Dimensional Frames.

## \*Terrance Lee Seethoff, Molalla

B.S., 1964, M.S., 1966, Oregon State University Major: Mathematics

Major Professor: J. R. Brown

Thesis: Zero-Entropy Automorphisms of a Compact Abelian Group.

## \*Gregory Ellis Shaner, Corvallis

B.S., 1964, Oregon State University Major: Plant Pathology

Major Professor: R. L. Powelson

Thesis: Epidemiology of Stripe Rust (Puccinia striiformis West.) of Wheat in Oregon.

## \*Barbara Powell Sherman, Dysart, Iowa

B.A., 1961, Coe College M.S., 1963, State University of Iowa

Major: Botany

Major Professor: H. K. Phinney

Thesis: Benthic Algal Communities of the Me-tolius River.

## Richard Joseph Sherman, Menlo Park, California

B.S., 1961, M.S., 1964, University of Santa Clara *Major:* Electrical Engineering

Major Professor: L. J. Weber Thesis: On Output Statistics of Nonlinear Devices: (1) Third and Higher Order Information, (2) Quadriphase Carrier Reconstruction, (3) Analysis of Point Processes.

\*Robert James Sherman, Dysart, Iowa

B.A., 1962, Coe College

M.S., 1966, Oregon State University

Major: Botany

Major Professor: W. W. Chilcote

Thesis: Spatial and Developmental Patterns of the Vegetation of Black Butte, Oregon.

Leslie Lynn Sherrod, Levelland, Texas B.A., 1963, M.S., 1965, Texas Technological College

Major: Plant Pathology

Major Professor: C. E. Horner

Thesis: Nature of Resistance to Verticillium dahliae Kleb. in Strains of Peppermint (Mentha piperita L.) Developed by Irradiation.

## Tommy Kiyoshi Shikashio, Blackfoot, Idaho

B.S., 1959, Idaho State University M.A., 1961, University of Kansas

Major: Microbiology

Major Professor: W. E. Sandine

Thesis: Some Aspects of the Mechanism of Action of lodophor and Other Germicides on Microorganisms.

## \*William Earl Sieveking, Madras

B.S., 1953, University of Illinois M.S., 1956, Cornell University

Major: Farm Crops

Major Professor: W. H. Foote

Thesis: Inheritance of Resistance to Barley Yellow Dwarf Virus Disease in Barley.

## John Edward Smathers, Westerville, Ohio

B.S., 1959, Oregon State University

M.S., 1961, New York University

Major: Electrical Engineering

Major Professor: J. F. Engle
Thesis: Distributed Logic Memory Computer for Process Control.

## Harry Glen Smith, Jr., Corvallis

B.S., 1964, California State Polytechnic College M.S., 1967, Oregon State University

Major: Entomology

Major Professor: R. L. Goulding
Thesis: The Comparative Pharmacodynamics of
Three Organophosphate Pesticides in Host Rabbits and Two Ectoparasites.

#### David Tupper Spurr, Athens, Georgia

B.S., 1961, M.S., 1965, University of Alberta

Major: Genetics

Major Professor: R. Bogart

Thesis: Some Genetic and Environmental Factors Affecting Performance and Carcass Measurements

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

### Quade Russell Stahl, Bethesda, Maryland

B.S., 1961, Chapman College

Major: Chemistry

Major Professor: B. E. Christensen
Thesis: The Study of the Influence of the Nitro
Substituent on the Hydrozinolysis of Certain Substituted 5-Nitropyrimidines.

#### Elmer Henry Stobbe, Canada

B.S., 1961, M.S., 1965, University of British Columbia

Major: Farm Crops

Major Professor: D. O. Chilcote

Thesis: Tiller Development in Dactylis Glomerata L. as Influenced by Nutrient Supply and Panicle Removal.

## Richard Robert Straty, Auke Bay, Alaska

B.S., 1954, Oregon State University M.S., 1963, University of Hawaii Major: Fisheries and Wildlife Major Professor: C. E. Bond

Thesis: The Migratory Pattern of Adult Sockeye Salmon (Oncorhynchus nerka) in Bristol Bay as Related to the Distribution of Their Home-River Waters

## \*David Richard Stronck, San Mateo,

California

B.A., 1953, St. Patrick's Seminary M.S., 1966, Oregon State University

Major: Science Education Major Professor: F. W. Fox

Thesis: The Comparative Effects of Three Seventh-Grade Science Programs with Different Laboratory Materials.

## \*Gerald Eugene Swiggett, San Antonio,

B.S., 1965, Trinity University Major: Chemical Engineering Major Professor: C. E. Wicks

Thesis: Gas Absorption by Entrainment From a Plunging, Liquid Jet.

#### Dennis Merlin TeKrony, Corvallis

B.S., 1960, South Dakota State University M.S., 1967, Oregon State University

Major: Farm Crops

Major Professor: J. R. Cowan
Thesis: Seed Development and Germination of Monogerm Sugar Beets (Beta vulgaris L.) as Affected by Maturity.

## \*Joe Wayne Templeton, Portland

B.S., 1965, Abilene Christian College

Major: Genetics

Major Professor: R. Bogart

Thesis: Genetic Polymorphism of Sheep Hemoalobin.

## George Rex Thompson, Corvallis

B.S., 1965, Oregon State University

Major: Pharmacology

Major Professor: R. E. Larson

Thesis: Studies on the Toxicity of the Carcinostatic Compound 1,3 bis(2-chloroethyl)-1-nitrosourea (BCNU).

## Thomas Oliver Tiffany, Spokane, Washington

B.A., 1965, Eastern Washington State College

Major: Biochemistry

Major Professor: R. R. Becker Thesis: Volume Change Associated With the Interaction of S-peptide with S-protein.

Richard Robins Tolman, Gresham

B.S., 1963, M.S., 1964, University of Utah

Major: Science Education

Major Professor: S. E. Williamson
Thesis: Student Performance in Lower Division Collegiate General Biology Programs in Selected Community Colleges and Four-Year Institutions in Oregon.

## \*Robert Bruce Turner, Arcata, California

B.S., 1952, North Dakota State University M.S., 1955, Utah State University

Major: Range Management

Major Professor: C. E. Poulton Thesis: Vegetation Changes of Communities Containing Medusahead (*Taenlatherum asperum*, Sim.) Nevski Following Herbicide, Grazing, and Mowing Treatments.

## David Graham Tweedy, Corvallis

B.S.A., 1959, University of British Columbia M.S., 1967, Oregon State University

Major: Entomology

Major Professor: W. P. Stephen

Thesis: Circadian Rhythms in Megachile rotundata (Fabr.).

## Patnagere Siddayeera Shetty Veerabhadrappa, India

B.S., 1957, M.S., 1960, University of Mysore M.S., 1965, Washington State University

Major: Food Science

Major Professor: M. W. Montgomery

Thesis: Multiple Forms of Carboxylesterases in the Green Bean (Phaseolus vulgaris L.) and Pea (Pisum sativum L.).

#### Richard Lee Wallace, Moscow, Idaho

B.S., 1956, Washington State University

M.S., 1961, Oregon State University

Major: Fisheries

Major Professor: C. E. Bond

Thesis: Some Aspects of the Comparative Ecology of Fishes Associated with Juvenile Sockeye Salmon, Oncorhynchus nerka (Walbaum), in the Lakes of the Naknek River System, Alaska.

#### John Pierce Walradt, Albany

B.S., 1965, University of Idaho

M.S., 1967, Oregon State University Major: Food Science and Technology

Major Professor: R. C. Lindsay

Thesis: Flavor Chemistry of Popcorn.

## Chien-Yi Wang, Taiwan

B.S., 1964, National Taiwan University

Major: Horticulture

Major Professor: R. Garren, Jr.

Thesis: Physiology of Ripening in Pears.

Shiow-Ying Wang, Taiwan B.S., 1964, National Taiwan University

M.S., 1966, University of California, Davis

Major: Horticulture

Major Professor: A. N. Roberts

Thesis: Physiology of Dormancy in Lilium longiflorum Thunb.

#### Dale Thomas Westermann, Kimberly, Idaho

B.S., 1963, Colorado State University M.S., 1965, Oregon State University

Major: Soils

Major Professor: T. L. Jackson Thesis: The Effect of Selected Potassium Salts on the Availability of Soil Manganese.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

Harvey Dean Williams, Corvallis B.S., 1950, University of Washington M.S., 1965, Oregon State University

Major: Botany

Major Professor: H. K. Phinney
Thesis: Effect of Kraft Mill Effluent on Structure
and Function of Periphyton Communities.

James Teng Wong, Portland B.S., 1964, Portland State College M.A., 1966, Oregon State University Major: Mathematics

Major Professor: W. M. Stone Thesis: On the Generalization of the Distribution of the Significant Digits Under Computation.

Gerald Edward Young, La Grande

B.S., 1955, M.S., 1960, Oregon State University

Major: General Science Major Professor: C. Wang

Thesis: Glucose Catabolism in Normal and Fluoride Injured Mung Bean (Phaseolus aureus) Seedlings.

Salah Mohammad Yousif, Corvallis

B.S., 1962, University of Alexandria
M.S., 1964, Middle East Technical University
Major: Electrical Engineering

Major Professor: S. A. Stone

Thesis: Optimal Governor and Excitation Control of

Power Systems with Damping.

<sup>\*</sup> Candidate who completed all requirements and was awarded a diploma at the end of summer term, 1968.

# OREGON STATE UNIVERSITY ALUMNI ASSOCIATION AWARDS

# CENTENNIAL RECOGNITION

Throughout the ninety-four years of its existence, the Alumni Association has been fortunate in having many outstanding individuals working for the betterment of Oregon State University.

Those selected for the special OSU Alumni Centennial Awards were chosen from an extensive list of alumni who were graduated more than thirty years ago. All have displayed high professional competence, distinguished citizenship, and deep devotion to their Alma Mater and to the Oregon State University Alumni Association.

## Edwin Burton Aldrich, Class of 1900 (1879-1950)

One of Oregon's best-loved and well-remembered citizens . . . Member of the OSC Board of Regents, 1924-31; first president of the OSC Foundation Board of Trustees; life member and president (1910-1912) of the Alumni Association; member of the State Highway Commission for eight years . . . Promoter of McNary Dam; editor and publisher of the Pendleton East Oregonian; president of the East Oregonian Publishing Company . . . A dynamic writer devoted to the cause of higher education . . Member of the Umatilla County library board; part owner and director of the Astoria Astorian-Budget . . . Consistently enthusiastic supporter of Oregon State University.

## Edward Christopher Allworth, Class of 1916 (1895-1966)

Named "one of our most distinguished American citizens," by President Kennedy in a 1963 White House ceremony honoring recipients of the Congressional Medal of Honor . . . Decorated by allied nations; one of General Pershing's one hundred soldiers representative of American heroism . . . Recipient of an honorary doctor's degree from Oregon State College in 1929 . . . Faithful and devoted life member of the Alumni Association, its secretary from 1926 to 1935 . . . Supervisor of the fund-raising campaign in 1925 for the Memorial Union, manager for its first thirty-four years . . . Honored by the national Association of College Unions in 1963 for having spent more years in active student union service than anyone else in the United States . . . Influential in practically all worthwhile campus and community affairs.

## Mercedes Allison Bates, Class of 1936

Director of Betty Crocker Kitchens and a corporate vice president of General Mills, Inc., the first woman officer in the history of the company . . . Supervisor of home service for Southern California Gas Company, 1938-45; owner and manager of a California firm of food consultants, 1948-1960; senior editor, food department, *McCall's Magazine*, 1960-64 . . . Member of the U. S. Chamber of Commerce Aircade that toured the United States in 1965-66 in the interest of consumers . . Past president of the California Home Economics Association and newly elected president of the American Home Economics Association . . . Contributor to the OSU School of Home Economics . . . Aggressive advocate of opportunities for women in business.

## Renton Kirkwood Brodie, Class of 1908 (1887-1969)

Educator, industrialist, administrator . . . OAC teacher, 1913-1918 . . . Fellow, Mellon Institute, University of Pittsburgh, 1918-1919 . . . With The Proctor and Gamble Company for thirty-six years as chemist, chemical superintendent, director of manufacturing, and administrative vice president . . . Honorary Doctor of Science, Oregon State College, 1936; Doctor of Laws, University of Cincinnati, 1963 . . . Chairman, Board of Trustees, University of Cincinnati, . . Life member of the OSU Alumni Association and constructively affiliated with many alumni activities . . . Member of the Oregon State University Presidents Club . . . A truly distinguished graduate of Oregon State University.

## Irene Brye Carl, Class of 1920

Exuberant personality dedicated to the welfare of Oregon State University . . . One of the few women presidents of the Alumni Association, 1950-51 . . . Made the fund drive and the construction of Parker Stadium the number one project of her administration . . . Known throughout Oregon as an enthusiastic advocate of the merits of OSU in her contacts with high school students . . . With her late husband, gained recognition for outstanding promotion of World War II bond sales; member of the OSU Foundation Board of Trustees since its beginning . . Chairman, 1951-52, OSU Friends of the Library . . . Official chaperone for the Portland Rose Festival Court, 1950 . . . Always identified with civic projects in her community and state.

## Ralph Orval Coleman, Class of 1918

Long-time effective and inspirational teacher of physical education, director of intramural and recreational programs, and baseball coach at Oregon State . . . Recognized for emphasizing physical fitness and lifetime skills . . . Coached OSU baseball teams to six Northern Division championships, including the NCAA Western Regional championships in 1952 . . . Elected to Helms Foundation Hall of Fame . . . While establishing one of the nation's outstanding win-loss records, always gave priority to the building of men . . . Life member of the Alumni Association.

## Charles White Fox, Class of 1927

Contributor of time and talent to his profession, to social and civic responsibilities, and to his Alma Mater . . . Life member of the Alumni Association . . . Active in the forest products industry; former president of one of the major plywood operations in Oregon . . . Civic leader in Coos Bay, Lebanon, and Portland . . . Past president and current member of the OSU Foundation Board of Trustees; member of the Oregon State University Presidents Club . . . Member of the Advisory Committee of the OSU Forest Research Laboratory, the State Board of Forestry, the Forest Protection and Conservation Committee, and the West Coast Lumber Commission of the War Labor Board.

## Amory Tingle "Slats" Gill, Class of 1925 (1901-1966)

Maker of men, builder of champions . . . Outstanding citizen . . . Oregon State's head basketball coach for thirty-six years, and later, athletic director . . . Compiled record of 599 victories, 392 defeats; won sixteen championships, coached eleven all-Americans . . . President, National College Basketball Coaches Association . . . Elected to Basketball Hall of Fame and Helms Foundation Hall of Fame . . . Winner of the Hayward Award as outstanding Oregon sports figure . . . Name memorialized in OSU's Gill Coliseum . . . Life member of the Alumni Association . . . Chairman of the Corvallis School Board . . . Corvallis Citizen of the Year.

## James Douglas McKay, Class of 1917 (1893-1959)

Dynamic leader, statesman, and public servant . . . Secretary of the Interior in the Eisenhower Cabinet . . . Recognized for his farsighted policies of resource conservation and development . . . Member, International Joint Commission on United States-Canadian Affairs . . . Governor of Oregon, 1949-1952; state senator, 1935-1949; mayor of Salem; president of the Oregon State Automobile Dealers Association . . . Recipient of an honorary Doctor of Laws degree from Oregon State College in 1955 . . . Made distinguished records in World War I and World War II . . . Oregon State student body president, 1917; life member of the Alumni Association, and president in 1926-1927 . . . Frequent campus visitor, speaker . . . Staunch OSU supporter . . . One of Oregon's favorite, famous sons.

## Gladys Grace Miller, Class of 1922

Nationally recognized interior decorator and businesswoman . . . Honorary Doctor of Fine Arts from Moore Institute of Art, Science and Industry, Philadelphia . . . Home planning consultant for many well-known homes and public buildings, including Blair House, Washington, D. C. . . . Editor of New Home Guide and Home Modernizing Guide, New York; author of a widely circulated syndicated column and four books on decorating . . . In 1968, received National Home Fashions League Trailblazer Award for outstanding contribution to the field of home furnishings . . . Life member, OSU Alumni Association . . . Contributor of more than 1,500 books to the OSU Library . . . Loyal Oregon Stater.

## Ursel Colin Narver, Class of 1928

Aggressive leader in behalf of Oregon State University from his first college days . . . OSC student body president; president of the National Student Federation of America, 1928; president of the OSC Alumni Association, 1945-46; of OSC Dads Club, 1956-57; president of the OSU Federation; member of the OSU Foundation Board of Trustees . . . Secretary and executive committee member of Colleges for Oregon's Future . . . Alumni representative on the OSU Presidential Search Committee, 1969; chairman of the Oregon State Fair Commission; member of the Oregon Racing Commission . . . Active in Grange affairs, publishing, and insurance, since 1932.

## Charles Taylor Parker, Class of 1908

For more than sixty years, a loyal champion of Oregon State University . . . Parker Stadium, named in his honor, was built through his determination and sizable financial gifts . . . Life member of OSU Alumni Association and president in 1940-41 . . . Member, OSU Intercollegiate Athletic Board since 1947 . . . Generous financial contributor to academic programs of the institution . . . Member, Oregon State University Presidents Club . . . Highly sucessful construction engineer . . . One of the University's distinguished graduates and one of Oregon's most useful citizens.

## Dan Williams Poling, Class of 1928

He believes in Oregon State . . . Builder of men and women . . . Guardian of the Beaver spirit . . . Coach, high school principal, superintendent of schools . . . Joined OSU faculty as assistant professor of political science . . . Succeeded U. G. Dubach as OSC Dean of Men in 1947 . . Best friend a student or parent ever had . . . Popular as speaker, sought out as counselor . . . Instituted Dads Club Scholarship Program . . . Founder and leader of Beaver Open House . . . Coordinator of new freshman summer orientation programs . . . Has added luster to famed family name . . . Has given his Alma Mater "my loyalty, my love, and my devotion."

## Harold Frank Ramsey, Class of 1938

Forestry leader, friend and counselor of young people . . . College and professional football star, high school football and basketball coach . . President, National Football Foundation Hall of Fame, 1967-69; member, Silver Anniversary Football All-American of Sports Illustrated, "for career achievements and for interest in higher education," . . . Member, State Juvenile Advisory Council; volunteer in community and state projects; officer in several forest industry associations . . . Extremely active in alumni affairs . . . Liberal contributor to the Alumni Association and the OSU Foundation, president of the Board of Trustees of the Foundation; life member and past president of the Alumni Association . . . Member of the Oregon State University Presidents Club.

## Zelta Feike Rodenwold, Class of 1919

Nationally known home economist, journalist, and public relations specialist . . . Author of numerous publications in home economics field . . . Scientific assistant, U.S. Bureau of Home Economics, Washington, D. C., 1928; specialist in home economics and director of women's programs, radio station KOAC, 1930-1946; editor, Journal of Home Economics . . Assistant head of information, Research Center, Bureau of Human Nutrition, Beltsville, Maryland; later, head of public relations and consultant in International Relations for Home Economics for the Bureau . . . Life member, OSU Alumni Association, and alumni manager, 1921-26.

## James Knox Weatherford, Class of 1872 (1850-1935)

Regent of Oregon State for forty-four years, twenty-eight of which he served as president of this governing board . . . Stalwart guide and builder of Oregon Agricultural College and Oregon State College from three years prior to state control in 1885, until 1929 when the legislature established the Oregon State System of Higher Education . . . In 1923, one of the first two persons to receive an honorary degree from Oregon State . . . Linn county school superintendent; able and just Albany attorney; Speaker of the Oregon House of Representatives; state senator . . . Unselfish in his contributions to all educational interests and in his devotion as an Oregon State alumnus . . . Wise counselor of youth; solid business leader; true patriot; exemplary citizen.

## COMMISSIONS

# Department of Aerospace Studies Colonel Frank N. Halm/Commander

### SECOND LIEUTENANT

Raymond Grauel Bonesteele Forrest Lee Brissey, Jr. Stephen Rae Carter Ward Stewart Conger Jerry Iver Cornwell Michael John Downey Michael Craig Epeneter David Paul Fairclo Frank Neil Fredrickson Jeffrey Charles Graham

Kenneth Lee Gray
Phillip Richard Hagedorn
George Arthur Hunter
William Ellis Johns
Robert James Koester
Duncan Gamble Koller
Michael Glenn Lucas
John Charles Marcotte, Jr.
Robert Alvero Mintonye
Donald Walter Payne

Donald Scott Powell
John Dickinson Reeves
Wayne Dale Riggs
Thomas Cecil Rigor
Edward Irwin Robertson, Jr.
Frederick Milton Russell
\*Anthony Roy Vassallo
Fred Arthur Vincent
Robert Frederick Watson
Chester John Williams, Jr.

# Department of Military Science Colonel Clayton A. Shaw/Commander

#### SECOND LIEUTENANT

Students who have received commissions during the current school year 1968-69

John Ryan Anderson \*William Stephen Bodner, Jr. Clifford John Bradshaw Chris Edward Brown \*Alan Bruce Christensen Byron James Cole Frank Winston Comer John Paul Coutu James Christopher Cron Richard Stanley Davis Ronald Thomas Eldredge Claude Dale Elmore James George Engiles James Stuart Fleming \*Walter Randolph Gamble Donald Dean Gerig George Franklin Cross Jon Olas Gustafson \*Robert James Hansen Frich H. Hoffmann Dan Wayne Holbrook Michael David Holmes \*Kirby Wing Sum Hong

Leslie Vernon Hubbard III Philip Malcolm Johnson John Stephan Kipper Larry Robert Lee William Peter Marsik Allen Clinton Martin, Jr. James Scott McAlister Michael Douglas McCormick Donald Andrew McFadden James Paul Merzenich Daniel Tucker Miller Albert Baldwin Moore III Michael Joseph Mullett Thomas Ward O'Connor Charles Bruce Olds \*Terry James Oxley Thomas Michael Petty Thomas Anthony Pick Guy Edgar Pierson John Hosken Pittman David McEwen Pleasant Alan Lerov Potter Dale Ernest Price

Richard Duncan Read Steven Charles Ross Michael Gary Rundell Joseph Walter Sahlfeld Richard Wayne Schaefer Eric Randolph Schween James Blain Shurtliff \*Melvin Earl Smith Richard Taylor Smith II Stephen Lee Smith \*John Lee Stockfleth Paul Douglas Tamura Melvin Leo Taylor Robert Joseph Taylor Jack Alvin Thomas \*Vernon Stephen Todd \*Michael Douglas Townes Louis John Wachsmuth Dennis Gene Wallin William Carey Weatherly Charles Blair Williams

<sup>\*</sup> Commissioning contingent upon completion of certain requirements.

## Department of Naval Science

Captain John H. Hitchcock/Commanding Officer

#### ENSIGN, UNITED STATES NAVY

Conrad Rhoads Borsting
Kenneth Milton Botham II
Theron Michael Bradley
Jerry Otis Bush
David George Camp
Carroll Eugene Campbell
William James Christensen
David Victor Edling II
Lief Wright Erickson
Walter Keith Fincher

Alfred Paul Grapoli George Hamilton Hall Roger Raymond Harr Stuart Tafe Hemler Kenneth Jabe Hollett Lawson Clifton Horner III James Burke Horsley Ronald Richard Hudson Jeffrey William Jaques Merle Alvin Keeney David Newton Knowles Ronald Owen Leonard Joseph Barry MacDonald Brian Eugene Stecher Clair William Sullivan Russell William Tennant Richard Charles Townsend Steven Clark VanSlyke

## SECOND LIEUTENANT, UNITED STATES MARINE CORPS RESERVE

Joseph Hector Beelart, Jr.

#### COMMISSIONED THROUGH OFF-CAMPUS PROGRAM BY HEADQUARTERS, UNITED STATES MARINE CORPS

Laurence William Austin William Douglas Brandt Lewis William Dahlin Lawrence Lahm, Jr. Donald Douglas Matson Richard Jan Peterson
Paul Duncan McGregor
Ross Allen Rigler
Stephen Eugene Riley
Michael John Saunders

Michael Joseph Schwaebe William Bartmess Scott, Jr. Perry William Swanson Thomas Dale Walt Donald Lind Winchell, Jr.

## ENSIGN, UNITED STATES NAVAL RESERVE

Robert Gordon Ball
Harvey Duane Barton
Mark Fredrick Bennett
William Leslie Bowen
Joseph Daniel Brummett, Jr.
John Edward Granholm

Charles Frank Hood Kenneth Wayne Lindstrom Charles Fundman Odell David McNair Paine Jeffrey Glenn Pape Edmond Dean Pope Jeffery Ross Potts John Randall Rightmire Michael Robert Rutledge Theodore Lathers Sidor

<sup>\*</sup> Commissioning contingent upon completion of certain requirements.

## **HONORS AND DISTINCTIONS**

## University Honors Program

The University Honors Program provides greater breadth and depth of educational opportunity to students of superior scholastic ability. All of the facilities of the University are available to provide a wide variety of intellectual experience. Flexibility is stressed in an effort to fit the education to the needs of the individual.

All students enrolled in the program participate in freshman and sophomore honors colloquia, attend special lectures, and take basic courses outside their area of specialization to acquire breadth of experience. During their junior and senior years, special seminars and courses, guided reading programs, and independent study and research provide depth to their programs. Those students marked with an (\*) in the Baccalaureate Degree list have sucessfully completed all requirements in the University Honors Program.

## Phi Kappa Phi

Phi Kappa Phi, national scholastic honor society founded at the University of Maine in 1897, recognizes and promotes scholarship in all fields, the liberal arts and sciences as well as professional education.

## SENIORS INITIATED DECEMBER 6, 1968

Charles Frederick Adams Richard Stanley Aho Ronald Dean Athay Leigh Edith Barry John Evart Borden Barbara Carol Brackett Carol Jean Brown John Steven Burles David Allen Butler Perry Ernest Camp Linda Louise Cass Merrie Lynn Conder John Carl Coon Arthur Denton Cooper Patricia Ruth Smith Davis Cindy Kay Estoup Richard Byrl Evans Sharvn Kay Fetrow Linda Diane Fischer Carole Linda Foote Lauralee Fraser Eunice Emily George Katherine Joyce Gilbert Phillip Roy Gilbertson

Glenda Louise Green Steven William Hansen Larry Allan Heinonen Phillip Gregory Hope Wen Ning Hsieh Tzu-Hwa Hsu James Fredrick Johnson Richard C. Keniston Warren Edward King Candace Kay Smith Knudson Katherine Marie Laing Deryl Robert Leggett Jane Emily Lofsvold Paul Joseph Mankowski Cheryl Ann Matzke Linda Marie C. McIntyre Judith Kay Mohning Linda Rae Morrison Janel Ann Nelson Charles Roger Nicholson Marshall Edward Noel Thomas Ward O'Connor Kristine Tamson Paulson

Dian Rae Wahl Poujade Kathleen Anne Rice William Walter Rice Marie Ann Rodgers Richard Loval Rush Maynard Craig Sandberg Stephen Morgan Schmitt Carole Anne Settles Stephen Sinclair Smith Larry Lee Strand Colleen B. Timmerman Kristine Johanna Tonn Fred Lee Underwood Karen M. VanGriethuysen Carl Henry Voegtly James Clifford West Robert Brian Wiegand Carolyn Hope Wilberger Susan Marie Woerndle Dennis Alan Wolfe Jere Ann Yada Lawrence Chikara Yamano Yvonne Yee-Yum Yapp

## Humanities and Social Sciences

Jean Fuller Anderson Pamela Kay Brownell Wilma Grand Chalmers Arthur L. Jenkins John Richard Sanders Olivia Lee Smith Cornelia D. Taschow Terrill Kay Tower Catherine Keil Watson

## SENIORS INITIATED MAY 20, 1969

School of Science
Russell Dan Baker
Linda Jean Bellerby
Susan Gail Birkemeier
Carroll Eugene Campbell
Adele Elizabeth Cereghino
John Matthew Crudele
Betty Marie Curtis
Barbara Gail Fairley
Jerry Alvan Francis
Steven Leroy Fuller

Robert Dale Hall Jay Randall Henry Dennis Keith Holverstott Shirley Dianne Hudson Kristine Kay Jarvis Ted Jones Elizabeth Margot Leovey John Vance Ligon Harry Bruce MacKay John Robert Maneely Derryl Dennis McKenzie

Frank Howard Moore Marilyn Sue Nutter Margaret Ann Olson Donald Roy Peters Sharon Lynn Philbrick Carolyn Ruth Hovee Reviea Edwin David Stevens Alan James Stonewall Dona Marie Stuart Trudy Jeanette Swan Neil Howard Tokerud Wesley Leon Tuft James Lee Werth Shelly Chee-Yeung Yeung

School of Agriculture Daniel Andrew Adelman George Herbert Chandler Jane Marian Patton Leonora Marie Schilder Michael James Sparks

Business and Technology Donald Frank Archer Janell Belle Beebe Carol Elizabeth Grigg

Roger A. Hildebrandt Rebecca Pauly Spence Margaret Ann Wolny

School of Education Jerry Don Belcher Janice Beverly Brownell Mary Catherine Colpitts Linda Kay Engle Janice Kay Erickson Martha Lou Gifford Joy Ann Guidry Gretchen Sue Heesacker Catherine Mary McCrae Ruth Ann Naef Barbara Gail Neff Judith Lynn Nelson Mary Lee Bartle Pearmine Elizabeth Jean Russell Carole May Wachsmuth James V. Torgerson

School of Engineering Barton Terrill Brown Kenneth Eugene Giles

Patricia K. F. Ho

Craig Stanton Hobbs

Donald Wesley Godard Donald Eugene Hall Stephen Louis Hart Curtis Kay Kenagy Bruce John Noble Ralph Randall Peterson James Clark Pierce Thomas Dale Walt Robin Jon Wilson

School of Forestry Thomas Lee Beck John Henry Hortenstine Ernest Ford Wilson

School of Home Economics Margaret Alexander Mary Lou Bates Diann Louise Bottenberg Mary Kay Crisp Lois Jean Raymond

School of Pharmacy Sherrie Rae Cooper Elaine S. Nishimura Fanny Pierin Zurita

## MASTER'S DEGREE CANDIDATES INITIATED MAY 20, 1969

Mary Lloyd Apple Eunice Chizuru Au Robert Hathaway Bourke Norris W. Brown Ronald James Burr Winona Jean Carlson Peter G. Caylor Byron Bernard Deden Rachel Forsythe Dick Albert Frederic Eger

Paul A. Hollrah Alan Robert Lyons Marilyn Ann Morgan Thomas Ward Osborn Nancy Caroline Parks Robert James Price Cecile Arline Pulliam Lois Pve Mary Ethel Elzy

Ron Eric Ranheim Paul Stanley Seale Mical Neil Slater Gene Duanne Snippen Mayourn Baker Stuart Wayne Eugene Tyra Phillip Unterschuetz Yvonne Alice Wiese Robert G. Willis Shirley Mabel Wong

#### DOCTORAL CANDIDATES INITIATED MAY 20, 1969

Wesley J. Adams David William Allen Bruce Robert Beattie Gary Edward Costley James Edward Dewey George Osgood Estes Leo Joseph Guedry Charles A. Ihrke

Larry Jon Kenneke Ann Marie Larson Larrance Michael O'Flaherty Westley Ralph Patton Clarence James Peterson Andrew Frederick Robinson, Jr. D. Graham Tweedy Larry Maring Rymon Ross Mark Sheldon

Barbara Jane Powell Sherman Robert James Sherman Leslie Lynn Sherrod Donald R. Short, Jr. Horst Gerard Taschow David L. West

FACULTY MEMBERS INITIATED MAY 20, 1969

Jean Caryl Severeide

Fred Everett Winger

## Recognition and Awards

## ALL-UNIVERSITY AWARDS

The outstanding student and scholarship-leadership awards to women are a memorial to Clara H. Waldo; those to men are a memorial to E. A. Cummings.

## Oregon State University Outstanding Student Awards

Presented to an outstanding man and woman student in each class with scholarship, leadership, character, and contributions to the campus considered.

Freshmen

Brian P. McCune Susan Kay Carr

Juniors

Gregory S. Bowman Suzanne Phelps John A. Wolf Mary Katherine Reed Sophomores

Kenneth R. Ross Katherine H. Simons

Seniors

Richard B. Evans Jane M. Patton Arthur D. Cooper Terrill K. Tower

## Oregon State University Scholarship and Leadership Awards

Presented to selected freshman, sophomore, junior, and senior men and women students, based on scholarship and leadership. Two awards each to freshman and sophomore men and women; three awards each to junior and senior men and women.

Freshmen

Stuart Todd Fulton Roxie Gail Entrikin Lawrence P. Kirkland Susan E. Parker

Juniors

Kei

David H. Elliott Georgia Anne Bannister John J. Garland Virginia A. Daggett Roy G. Van Driesche Judith G. Gaedtke Sophomores

Kraig W. Jacobson Donna C. Batey Charles P. Weswig Denise M. Blais

Seniors

Thomas L. Beck Linda J. Bellerby John W. Jendrzejewski Barbara Gail Neff Steven F. Rafoth Mary Bartle Pearmine Steven W. Hansen

## Oregon State University Scholastic Awards

Presented to the man and woman student in the sophomore, junior, and senior classes who have the highest grade-point averages. These awards are a memorial to Drucilla Shephard Smith.

Sophomores

Lawrence Wayne Stover Christine Irene Jensen Juniors

George G. Kennedy Wendy M. Tomlin Barbara D. Gould

Seniors

Steven Rafoth Carolyn H. Wilberger

## SPECIAL AWARDS

These nominees were not selected by the Recognition and Awards Committee but instead represent selections made by special groups closely allied with the particular award. In all cases, the awards represent all-campus honors for diverse activities.

Blue Key Dubach Awards . . William Ten Pas, James Huegli, John W. Jendrzejewski, Richard J. Shimomura, Mike Markham

Presented annually by the Oregon State chapter of Blue Key to five graduating senior men outstanding in perpetuation of high ideals and unselfish service to the University; in honor of Dr. U. G. Dubach, dean of men, 1924-1947.

MacKenzie Blue Key Memorial Award . John W. Jendrzejewski Presented to a man student who exhibits outstanding qualities as a leader in service and loyalty to the institution; in memory of Donald Wilson MacKenzie.

Alice Carey Dilworth Senior Award . Co-winners: Martha Gifford,
James Benshoof

Presented annually to the outstanding senior in music on the basis of scholarship and professional ability.

Alpha Chi Omega Award (Portland Chapter) . . . Karen Haus Presented to the girl who contributes most in rendering service to the Music Department, to the University, and to the community.

The Buzz Randall Trophy . . . . . . Richard B. Evans Awarded annually to a senior athlete, outstanding in any sport, who is within two terms of graduation. Selection is based on outstanding accomplishments in athletics, combined with scholarship and citizenship.

Sigurd H. Peterson Freshman Essay Award . Alfred T. Brown, Ruth E. Malone

Awarded annually. The two-thousand-word essays are judged upon effectiveness of expression, quality of thought, and correctness of writing.

General Electric College Bowl \$500 Merit Scholarship . . . . John Edward Alexander

Honorable Mention: Georgia Anne Bannister, Suzanne Phelps, Karen Janette Drlica

Provided by funds received from the General Electric Company as a result of the successful participation of the Oregon State University "College Bowl Team" in the 1962 General Electric College Bowl.

Allworth Memorial Union Award . Rebecca Macy, William S. Ten Pas
The recipients of this award are selected on the basis of a sig-

nificant and continuing contribution to the students of Oregon State University demonstrated through outstanding leadership and service on Memorial Union committees, programs, and projects.

## SCHOLARSHIPS AND FELLOWSHIPS

## GRADUATE **FELLOWSHIPS**

UNDER-GRADUATE **SCHOLARSHIPS** 

OZANOMI O AM		· Orini O	
American Chemical Society-	-Petroleum Resear	ch Fund	
Fellowships			
Crown Zellerbach Fellowshi			
Dow Chemical Company Fel			
Douglas Fir Fellowship			
DuPont Fellowship in Chem			
General Foods Home Econo	omics Fellowships		wesley J. Adams, eanene M. Calkins
Robert Johnson Fellowships			
Kaiser Aluminum Fellowship			
Mary J. L. McDonald Forest			
Pan American Petroleum Fe			
Shepard Foundation Fellows			
South Santiam Educational a			adi Aivaicz Doilego
Forestry Fellowships			ie, Bruce Goodwin
Stauffer Chemical Fellowshi			
Tektronix Fellowships		Robert E. Cl	naney, Dale Wilson
Texas Oil Company Fellowsl			
Weyerhaeuser Foundation F Forestry	ellowships in		
Chester M. Wilcox Fellowsh			
Albright Memorial Scholarsh	nips		Diana V. Picht
Associated Women Students	Scholarships (		
			Suzanne M. Ricard
Mary I. Bash Scholarship—F Oregon State University	Portland Unit of the		Marilus C Ctrond
Corvallis Rotary Club Schol	orchine	Darlana I. Maha	Pandu I Hallatt
Personal M. Dely Educations	L Eurol Coholombin	Darielle L. Maria	r, handy L. hanen
Timothy D. Barry	Barbara A Lee	Bonnie	.I Thomas
Charlotte S. Dube	Bruce D. MacKay	Kenneth	A. Thomas
William W. Duke	Michael A. Newcon	ibe Ann Ma	rie Tracy
David C. Foster	Susan J. Ogle	Patricia	L. Tracy
Bernard M. Daly Educationa Timothy D. Barry Charlotte S. Dube William W. Duke David C. Foster Eugene A. Georgetta Ronald K. Hotchkiss	Ulvs J. Stapleton	Cinda L	. weii
Douglas County Home Econ	omics Extension Sc	holarship Sh	aron L. Salmonson
William F. and Alice Herrin	Scholarships-		
William F. and Alice Herrin Joseph E. Alexander Katherine M. Laing G. E. College Bowl Scholars	Janis L. Masters	Jay E.	Thomas
Katherine M. Laing	Kathleen A. Rice	Mary W	. Wang
Jackson Foundation Scholar	ships Time	othy C. Barry, De	nnis K. Holverstott, James R. Wendel
Leonora H. Kerr Scholarshi	p		Mary E. Annala
Morrell Crary Scholarship			Donald D. Mason
Oregon State Employees As			
Oregon State Employees As	Sociation Scholarsh	ιρε	Ellen J. Hopper
Oregon State University Boo	k Store Scholarship		C. Dean Pielstick, yle J. Spiesschaert
Oregon State University Dad	is Club Scholarships	·—	w 17 5 5
Nancy L. Buck Dennis D. Burley	Joellen Gretzinger	George	D. Lanning
Michael I Charles	Frederick E Will	Cusan	D. Willel

Susan L. Schaubel Terrence L. Sime David L. Skinner Sandra N. Taylor Paul T. Curtis John M. Find Helen A. Hunsacker John M. Find Brenda D. Jones
Kenneth E. Giles Freeman K. Keller
Kathryn F. Frohreich Michael A. Kizer

Oregon State University Folk Club Scholarships ... Janet L. Mills, Katherine T. Nelson Oregon State University Foundation Scholarships ...... Lola L. Dickerson Oregon State University Foundation-Sigurd H. .. Peggy J. Moore

Peterson Scholarship Oregon State University Merit Scholarships ..... Brian P. McCune, Sara L. Morrissey, Gregory B. Snook Oregon State University Mothers Club Scholarships-Oregon State Units

Judith L. Anderson David M. Dielector

Donna J. Gann

D. Hans David M. Dreiszus

Linda Billette Paulette R. Bregel Susanne M. Burck Carol A. Cohen Keven O. Cox Michael C. Dean Sharon R. Drake

Lawrence B. Hansen William R. Niedermey
Terry R. Hassett Steven D. O'Conner
Karl W. Hering Terry R. Hassett Karl W. Hering Janice L. Hunt Reginald J. Jung Diana C. Jurgensen Mary S. Wheelhouse John P. Kolarik

Paula J. Lodi Joyce M. Marshall William R. Niedermeyer Kathleen M. Schaad Robert A. Schaffer Gerald B. Stubblefield

Linda D. Perez, Linda C. Schons, Nancy L. Walters

South Santiam Educational Research Project Undergraduate Scholarships-Wayne A. Bauer Cheryl J. Miller David D. Shipp Steve P. Hellberg Patsy J. Moss Louis G. Toweil Louis G. Toweill James C. West Terri L. Woods Lawrence R. Page Richard E. Hirschi Kathleen C. Irish Maureen L. Scanlon

State Scholarships Awarded by the State Scholarship Commission-

#### State Scholarships

Under law created by the State legislature partial tuition and fee scholarships are awarded by the State Scholarship Commission equal in number to 21/2 % of the enrollment in State-supported institutions. Entering freshmen are eligible to apply if ranked in upper one-half of their high school class. College students may apply if they have achieved a term and cumulative GPA of 2.50 or better.

In addition, the State Scholarship Commission will award annually one four-year scholarship for each Oregon county and one for each State legislative seat. These scholarships are transferable within the State System after the initial year of the award.

#### State Cash Scholarships

Outstanding high school seniors are eligible to apply for cash scholarships awarded by the State Scholarship Commission. These awards have an annual possible maximum value of \$500 and are renewable until graduation provided a term and cumulative GPA of 2.50 is maintained. Selection based on academic achievement and financial need. The Commission provides each high school principal with scholarship application forms. Recipients may attend any State or private accredited institution.

Thrift Shop Scholarship ...

Diane M. Kolb

E. E. Wilson Scholarships-Jo Ellen Anderson Penny Dee Elliott Elisabeth Ann Paeth Steven Gregory Barnes Ben Allison Beddingfield Mary Jane Beelart Richard Ray Bennett Brian Benson Nancy Sue Besse Judy Marie Best Dave Blackford Pamela K. Bond Ronie D. Borden Janet Lee Brandt Ann Mclean Brown Constance Bruneau Leah Kay Carr Christine E. Carter Patricia A. Cirac Norman J. Clark Troy Stanley Clark Dennis Cosler Edward William Cracraft Cheryl Lee Davis Kenneth Durrell

Mark Warren Durrell

Carmen Ruth Ervin Anthony L. Faast Donna Fountain Karen Elaine Gillis Mary Anna Hageman Delora Sue Hardy William R. Hostetter Krista Gail Johnson Steven P. Johnson Mary Ann Kempees Wendy Kidder Thomas Layne Kiersky John Kilian Anne Junette Koberstein Linda K. Larson William Stanley Mason James Scott McAlister Sharon Melby Russell James Messmer Laurie Elizabeth Meyer Janet Lee Mills Sandra Nored Stanley Dale Nored

Nadine Phinney Taylor Kelton Poynter Susan Jean Price Roberta Quetschke William E. Radke Jerry Alan Riecke Dennis Charles Root Cynthia L. Roseland Brett M. Schneider Rosemary Seger Stanley Earl Selfridge Leonore Margaret Smith Michael Smith Rebecca Anne Smith Vickie Lee Sutton Leila Taylor Steven Oren Thomas Bonita Sue Wade Susan Jane Werner Dennis Allen Williamson Gwenyth Elaine Windom Sherri Diane Zandofsky

## School of Agriculture

Bumble Bee Sea Foods Scholarship .... Michael W. Lehman Crown Zellerbach Foundation Scholarship \_\_\_\_\_ John C. Coon ...... Marilyn E. Houchen Del Monte Scholarship .... Mark W. Hamlin, Agricultural Economics Agribusiness Scholarships .... Miles L. Henselman, Ellis J. Meeuwsen First National Bank of Oregon Scholarship ...... Michael J. Sparks

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Scholarships—
Timothy D. Barry
Steven E. Brown
Grant C. Busk, Jr.
Donna K. Eng
Holly D. Freeburn

Scholarships—
David E. Hall
Stathy A. Lidstrom
Brian J. Meece
James C. Shepherd
Jerry D. Swan
Kayda J. Kooken
Zata M. Vickers H. H. Gibson Memorial Scholarship Larry K. Carpenter S. B. Hall Memorial Scholarship \_\_\_\_\_\_ Timothy M. Davis
G. R. Hyslop Memorial Foundation Scholarships \_\_\_\_\_ William R. Endicott, Melodee A. Purvis, John L. Stockfleth Kathleen M. Haarsager, Jeffrey L. Herring, Kathy A. Lidstrom, Eric R. Wood Lamb Weston Inc. Scholarship ....... William G. Stranix L. A. McClintock Memorial Scholarship \_\_\_\_\_ Lyle J. Spiesschaert Gary McKenzie Memorial Scholarship \_\_\_\_\_ Lyle J. Spiesschaert Milwaukie Rod and Gun Club \_\_\_\_\_ Stephen J. Hayley Jerry D. Swan Moore-Rane Scholarship Multnomah Anglers and Hunters Scholarships-Schaeffer Memorial Randolph G. Arbeiter
Chan Schenk Conservation Edward I. Robertson, Jr. Northwest Canners and Freezers Scholarship ...... Terry D. Wakefield Oregon Dairy Industries-P. M. Brandt Memorial Scholarship ..... Lanny R. Udev Oregon Federation of Garden Clubs Scholarships Gary S. English, Richard N. Estelle Oregon Fryer Commission Scholarships .... Richard P. Peterson, Dwight C. Wrolstad Pacific Dairy and Poultry Association Scholarship \_\_\_\_\_ Margaret A. Marks Ralston Purina Scholarship \_\_\_\_\_ Daniel A. Adelman Rudy-Patrick Seed Company Scholarship \_\_\_\_\_ Timothy W. Moore Sears Roebuck Foundation Scholarships-David A. Aamodt Robert M. Draper Paul A. Smith
Edward J. Adelman John A. Johnson Stephen M. Unger
Randy L. Cleveland Daniel W. Mast Ronald D. Wilkinson Kenneth R. Doud Stayton Canning Company Scholarship \_\_\_\_\_ Gary L. Valde Tulana Farms Scholarship Richard D. Elliott R. M. Wade Foundation Scholarship ..... Deryl R. Leggett Western Oregon Livestock Association Scholarship ....... Ronald S. Stevens Western Rod and Reel Club Scholarship Donald L. Beyer Lester K. Stephens, Robert W. Willmschen School of Boeing Scholarships .... Ernst and Ernst Scholarship \_\_\_\_\_\_ William L. Howard Business and First National Bank Scholarship Stephen F. Rafoth Technology Meier & Frank Company Scholarship \_\_\_\_\_\_ Paul N. Goodmonson Price Waterhouse Scholarships ....... Herbert D. Sims, Dwayne Tofell Rayonier Inc. Scholarship ..... Candace K, Smith Sharon L. Melby Arthur Young Scholarship Oregon Congress of Parents and Teachers, Inc. Scholarships-School of Oregon Congress of Parents and Teachers, Inc. Scholarships—
Paulette R. Bregel
John A. Johnson Betty L. Moss
Ann M. Phelps
Linda D. Fischer
Nancy L. Godard Sandra K. Longfellow
Karen L. Heinonen Cheryl A. May Jere Ann Yada
Suzanne K. Hilley Linda M. Milne Margaret A. Zeek Education Oscar I. Paulson Scholarship \_\_\_\_\_\_ Deryl R. Leggett

General Foods Fund Scholarships-

## School of Engineering

Alcoa Foundation Scholarships
American Society of Civil Engineers—Oregon Section Scholarship Michael E. Utt
Ampex Scholarships
Auxiliary to the Professional Engineers— Portland Section Scholarship
Bechtel Corporation Undergraduate Scholarships Jerry L. Hilderbrand, Ralph R. Peterson, William W. Rice
Boeing Scholarships
Central Lincoln PUD Scholarship Philip C. Tompkins
Co-Signers Scholarship Alexander N. Roller
Lloyd W. Covert Scholarship
ESCO Corporation Undergraduate Scholarship
Foundry Education Foundation Scholarship Douglas H. Degross, Donald J. Mapes, Robert J. Marta, Blaine L. Nyberg, Robin J. Wilson
Freightliner Corporation Scholarships Richard A. Stebner, Robert C. Watkins
L. F. Henshaw Scholarship
Otto Herman Scholarships
Humble Oil and Refining Company Scholarships Gary L. Hall, Clayton H. Nelson
Peter Kiewit Sons' Company ScholarshipsJoseph E. Chapin, Clayton H. Nelson
Longview Fibre Company Pulp and Paper Scholarships Jacquelyn S. Douglas, Thomas W. Langston, David E. Place, David C. Jerell, Alan D. Sharpnack
Minnesota Mining and Manufacturing Company Scholarships Larry C. Amans, Jeffrey F. Tonn, Gary W. Van Otten
National Association of Home Builders Undergraduate Scholarship Stephen L. Hart
Paper Industry Management Association Scholarship
Rayonier Foundation Undergraduate Scholarships David E. Eakin, Kenneth E. Giles, Walter R. Stubbs
Standard Oil Company of California Scholarships
Texaco Company Scholarships Joseph W. Anderson, David L. Woracek
Western Electric Fund Undergraduate Scholarship
Western Electronic Manufacturers Association Scholarships Larry D. Hutchins, Curtis K. Kenagy
Western Kraft Undergraduate Scholarships Lief W. Erickson, Jack E. Moon, Anthony R. Vassallo

## School of Forestry

Robert Aufderheide Memorial Scholarship	David B. Armstrong
Autzen Foundation Scholarship	Martin W. Bailey
Cole, Clark, and Cunningham Inc. Scholarship	Daniel F. Green
Crahane Memorial Scholarships	Mitchel L. Allen, John D. Berry
Crown Zellerbach Foundation Scholarships _ Jeffrey	D. Blackwood, James E. Nielsen
Floyd Hart Memorial Scholarship	Elwood B. Starr
Forest Clinic Foundation Scholarship	Thomas L. Beck
Oregon Logging Conference Scholarship	Roger W. Gray
W. R. Randall Memorial Scholarship	Ernest F. Wilson
Rayonier Foundation Scholarship	Kenneth J. Faulk
Sierra-Cascade Logging Conference Scholarship	Ray H. Brewer
Durward F. Slater Memorial Scholarship	Steven C. Pedersen
John R. Snellstrom Memorial Scholarship	Richard K. Spring
South Santiam Educational and Research Project David M. Fitch Donald W. Hofman John J. Garland Timothy J. Prahl Dennis M. Golik William C. Schoppert Kerry A. Hart	Randall J. Scott Gerald E. Stoebig
Margaret O. Starker Memorial Scholarship	Paul D. Freeman
Max D. Tucker Scholarships Timot	hy L. Donivan, Terry R. Hassett, Terrry G. Strouder
Willamette Valley Hoo Hoo Club Scholarship	Ernest F. Wilson

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	With O. Bourt Orbitation		
School of	Viola C. Bogart Scholarship LeAnn Dav  Leone Elliott Covert Scholarship Karen L. Heinone		
Home Economics	Electrical Women's Roundtable of Oregon Scholarship Margaret Alexand		
	Future Homemakers of America Scholarship Linda C. Rook		
	Sears Roebuck Foundation Scholarships Linda L. Godin		
	Christine B. Hunt, Connie M. Shelto		
School of	Kate L. Bartholomew Journalism Intern Scholarship Frank H. Parchma		
	Rachel Holland Memorial Scholarship Christine Cosgrov		
Humanities and	Music Study Scholarships		
Social Sciences	Adelaide V. Lake Journalism Scholarship		
School of	American Foundation for Pharmaceutical Education Scholarship Bonnie E. Brindley, Lou Vina Dieffenbaucher, Gary R. Sachtle		
Pharmacy	Frank and Esther Golden Scholarship Lou Vina Dieffenbauche Grant L. Hall, Gregory T. Yamamot		
	John W. Dargavel Scholarship		
	Lane County Pharmaceutical Association Scholarship		
School of	Benton County Medical Society Scholarship James R. Schmidga		
Science	Boeing Scholarships Pearl G. Chin, Mark J. Eberso		
Ocience	Copson Scholarship Larry L. Stran		
	Paul Copson Memorial Scholarships Steven H. Buckstein, Charles D. Johnson		
	Dr. Milton Harris Scholarships James F. Johnson, Fred L. Underwood		
	Longview Fibre Company Pulp and Paper Scholarship Robert G. Komo		
	Joseph E. Simons Memorial Scholarship		
	Standard Oil Scholarship Richard E. White		
	School of Science Scholarships Eunice E. George, Judith K. Mohnin		
	Texaco Scholarships Perry E. Camp, Dennis K. Holversto		
	Uniion Oil Company Scholarships James S. Hallin, William B. Hanso		

Oregon Federation of Business and Professional
Women's Clubs, Inc. Scholarship Fung S. Sim (Korea)
Panhellenic Scholarship Maria E. Zurita (Bolivia)

## **GIFTS**

Oregon State University gratefully acknowledges the receipt of many gifts to the institution. These gifts from individuals and organizations significantly benefit students, faculty, and programs. Student awards are described in the catalog and a partial list is recorded elsewhere in this commencement booklet.

## Oregon State University Foundation

The Oregon State University Foundation, the non-profit corporation through which interested persons or organizations may make gifts and bequests to the institution or any of its divisions, has brought indirect as well as many direct benefits to Oregon State. The Foundation fills the need for a legally sound, inclusive, and permanent agency apart from, but working in close coordination with, the Administration. Its purpose is to aid and promote educational and charitable activities for the benefit of the public served by Oregon State University through education, research, and service.

Funds received from all sources into the Foundation for the calendar year 1968 \_\_\_\_\_\_ \$541,746.02.

## Oregon State University Library

## Memorial Books

Each year, under a plan promoted by "Friends of the Library of Oregon State University," books are added to the Library as gifts of individuals and groups in memory of deceased friends and relatives, and particularly in memory of persons who have been closely associated with Oregon State University. Each of the books is appropriately marked with a special memorial bookplate recording the name of the person memorialized and the donor. During the last year 256 gift volumes memorializing 60 persons have been added to the Library. Since 1943, when the Memorial Book Plan began, 4,507 books have been placed in the Library. These books constitute constructive memorials of enduring worth.

## Other gifts

Through the OSU Foundation, the Library benefitted from several sources.

There were many other gifts from individuals, groups, and commercial firms varying from single books to small collections.

The total estimated value of all gift collections, including memorial books, approximated \$7,181.

## Memorial Union

The Memorial Union acknowledges the gracious cooperation and generous support of the many friends who have made its cultural and educational programs for the entire campus community possible.

## Horner Museum

The Museum makes grateful acknowledgment of the many gifts and loans that have contributed so much to the expansion and quality of the displays. Hundreds of individuals have brought specimens, heirlooms, and personal treasures to all departments of the Museum so that they may be enjoyed by the public.

## **Academic Costume**

ACADEMIC GOWNS represent a tradition which comes down from the universities of the Middle Ages. At that time they were a common form of dress and were retained by the clergy when the laity adopted more modern styles. The caps, originally round, later became square mortar boards. The hoods were originally cowls attached to the gown which could be slipped over the head for protection from the weather.

The significance of the costume is indicated especially by the sleeves and hoods. The bachelor's gown has pointed sleeves; the master's gown has long, closed sleeves; and the doctor's gown has bell-shaped sleeves and velvet trimmings.

The colored velvet border of the hood indicates the field of study to which the degree pertains. For example, Agriculture is maize; Arts and Humanities, white; Business, drab; Education, light blue; Engineering, orange; Forestry, russet; Home Economics, maroon; Music, pink; Pharmacy, olive green; Philosophy, dark blue; Physical Education, sage green; Science, golden yellow; Veterinary Science, gray.

The colorful lining of the hood indicates the institution from which the wearer received his or her degree. The lining of the Harvard University hood, for example, is crimson; Yale, blue; Wisconsin, bright red; Minnesota, old gold and maroon; California, gold; Washington, purple above gold; Oregon, lemon yellow and dark green; Stanford, cardinal; Michigan State, green; lowa State, gold above cardinal; Oregon State, burnt orange.

Alma Mater

Within a vale of western mountains, There's a college we hold dear. Her shady slopes and fountains Oft to me appear.
I love to wander on the pathway Down to the Trysting Tree, For there again I see in fancy, Old friends dear to me.

(Chorus)
Carry me back to OSU,
Back to her vine-clad halls;
Thus fondly ever in my mem'ry
Alma Mater calls.