

O. S. U.
Theses and Dissertations
1970 - 1977

Compiled by
Pia Tollo Brown

Bibliographic Series No. 17

Oregon State University Press

O. S. U. THESES AND DISSERTATIONS

1970 - 1977

Compiled by

Pia Tollo Brown

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BIBLIOGRAPHIC SERIES NUMBER 17

OREGON STATE UNIVERSITY PRESS

CORVALLIS, OREGON

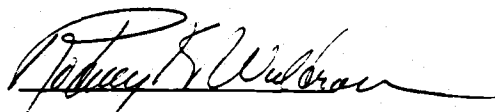
1980

P R E F A C E

This compilation of theses and dissertations (a part of the OSU Bibliographic Series) for the period 1970-1977 reflects this university's emphasis on research and graduate study. It may be viewed as an indicator of the contributions made to the state of Oregon through graduate study and research at Oregon State University.

This bibliography is part of a continuing series dealing with the research done on the Oregon State University campus. All of the materials listed are held in the William Jasper Kerr Library, and may be consulted in the Library. Only the Masters theses are available for interlibrary loan.

The accumulation of these citations, the typing and the proofing, have all been the responsibility of Pia Tollo Brown who has devoted many hours, both on and off the job, to see that information included is accurate and that the compilation is inclusive. She has had the services of four hard-working Oregon State University students: Holly Dunham, Lynn Osaki, Kellene Spencer, and Janelle Weinzierl. The preparation of this document is not inexpensive but the Library administration feels that it is a useful tool, not only for other libraries and in their interlibrary loan activities but for the dissemination of the research done on this campus. It is well worth the time, effort and dollars to put it together at regular intervals.



Rodney K. Waldron
Director of Libraries

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HOW TO USE THIS GUIDE

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Subject Fields:

Included in this list are the masters' theses and doctoral dissertations, in all fields, completed at Oregon State University between the years 1971 - 1977.

Time Period:

Theses are listed by date of graduation, rather than actual date of thesis completion. For example, if a thesis was completed between April and December of 1977, but did not meet the Graduate School's deadlines for June graduation, then the thesis is not included in this list even though technically it was completed in 1977. Rather it will be included in the next thesis list of our bibliographic series.

Not Included:

Research papers are not included, although some university departments encourage their students to write a research paper instead of a thesis. These papers are often as worthy and well-researched as the theses, but students are not required to give the library a copy, hence the library does not maintain a list of these.

If you have a title or author that you can not find listed in this booklet, but you are sure it was done within this time period, it may be a research paper. If you suspect this to be the case, it is suggested that you contact the appropriate school or department (not the library) for more information. See Appendix I for relationships between subjects and scope of this institution's graduate programs.

ARRANGEMENT

Basically this guide is arranged alphabetically, like a dictionary (A-Z), in all 3 sections. Section I, the Departmental Index, is the largest. It is arranged alphabetically by university departments, then subdivided by year and type of degree.

However, since some schools at O.S.U., such as School of Education and School of Oceanography, are separated into divisions or subject emphases, rather than departments, theses from these areas have been arbitrarily arranged by subject by the compiler of this guide. The cross-references or Appendix I should help if you do not find precisely what you are looking for. Also, due to numbering error, you will not find #1336 in the list, but rest assured that all theses are listed and none have been left out.

Section II and III, the author and subject indexes, are fairly self-explanatory. Subject headings may not be specific enough for some subject areas, so be sure to look under broad headings if you do not find what you need. Subject headings were taken directly from the catalog cards, with no expansions or deletions of subject headings.

INTER-LIBRARY LOAN

The library's Inter-Library Loan Service lends our own institution's masters' theses to all other states, but doctoral dissertations are only loaned out within the state of Oregon. Exceptions to this rule, are selected universities with which we have reciprocal lending agreements for Ph.D's.

PHOTO-COPY

Our policy is not to photo-copy any masters or doctorate in its entirety. University Microfilms in Ann Arbor, Michigan provides this service for doctoral works through Dissertation Abstracts.

OTHER GUIDES TO OSU THESES AND DISSERTATIONS

You may also wish to consult previous guides in the same bibliographic series for more information on previous years or on special subjects (call number Z5055 U5 976):

| | |
|-------------------------------|-------------|
| Bibliographic Series Number 6 | |
| OSU Theses & Dissertations | 1943 - 1959 |
| Bibliographic Series Number 8 | |
| OSU Theses & Dissertations | 1960 - 1965 |
| Bibliographic Series Number 9 | |
| OSU Theses & Dissertations | 1966 - 1970 |

DEPARTMENT INDEX

Those areas of the university which are not arranged
along departmental lines are instead listed by subject.

THESES AND DISSERTATIONS

1971 - 1977

■ ADULT, COMMUNITY COLLEGE, & COMMUNITY EDUCATION (includes: correctional institutions)

SEE ALSO Vocational Education

1971 - Masters

1. Wilson, Melvin Dee. A study of community college drop-outs.

1972 - 1977 - Masters

none

1971 - Doctors

2. Bonaparte, Lawson Gregg. Opinions and characteristics of Portland Community College black students.
3. Colbert, Austin Michael. A study of values of educators in Oregon's correctional institutions.
4. Dunham, Daniel Bentley. Guidelines for developing a community college teacher education program in Oregon.
5. Fadel, Eugene James. A study designed to establish a model for determining the feasibility of establishing a private junior college.
6. Hathhorn, James Robert. A comparative study of factors related to post high school educational pursuits of selected American Indians: some characteristics and self-perceptions.
7. Kaiser, Ronald Earl. Selected characteristics of chief community college administrators with regard to their behavior toward secondary vocational education.
8. Lindahl, Donald Gene. Commonalities in the professional education competencies of selected community college vocational instructors.
9. Matthews, Mildred Shuman. Fostering upward mobility of Mexican American adults through a critical incident.
10. Miller, Jack Dean. A factor analysis of professional education competencies and selected community college instructors.

1972 - Doctors

11. Herndon, Charles Frederick. Comparative perceptions of students, financial aid administrators, and presidents regarding the required competencies of community college financial aid administrators.
12. Martin, Darrel Dee. A study of professional education competencies and community college administrators of vocational education.
13. Smith, Richard Lorn. A study to determine the perceptions of the competencies needed by adult basic education teachers.
14. Stevens, Lee Alexander. A computer simulation model of an accounting chargeback system for community colleges.

1973 - Doctors

15. Guss Jr., Harvey. A study of dropout propensity of selected community college students.
16. McBride, Marjorie Grace. A historical study of the administrative structure of Hillcrest School of Oregon.
17. Neff, Gale Norman. The design development and testing of an experimental individualized learning system.
18. Pritchett, Betty Jensen. Values and perceptions of community college professional staff in Oregon.
19. Shaffer, Mildred Johnson. A comparison between Portland Community College and Seattle Community College for determination of organizational efficiency.

1974 - Doctors

20. Goltra, Raylene Denise. Women's studies: a new program for the community college.
21. Grigsby, Thomas Elvin. A study to develop a competency-based program for the preparation of community education personnel.
22. Johnson, Jerome Alfred. The development of a performance-based adult high school diploma program at Linn Benton Community College: a case study.
23. Maxwell, David Kent. Instructor performance appraisal in community colleges.
24. Morris, Richard Dale. The perception of attitudes by selected community college teachers and administrators: a multidimensionally scaled analysis.
25. Weiss, Marvin Wesley. Coordination and cooperation between community colleges and community schools in selected community college districts.

1975 - Doctors

none

1976 - Doctors

26. Edelbrock, Gary Ray. Personality characteristics of selected community college dropouts.
27. Haburn, William B. A factor analysis of professional competencies and local church clergy.
28. MacNeil, James Leo. How selected groups evaluated the student personnel services at a public community college.
29. Manspeaker, Jewell Charles. An analysis of Oregon community college students' and educators' perceptions of opportunities to earn academic credit for prior off-campus learning.

1977 - Doctors

30. McNelley, William John. Exploration of male inmates in the Deuel Vocational Institution: a case study.

■ AERONAUTICAL ENGINEERING

SEE Mechanical Engineering Department

■ AGRICULTURAL & RESOURCE ECONOMICS DEPARTMENT

SEE ALSO Civil Engineering Department

1971 - Masters

31. Aungurarat, Peerarat. An analysis of factors affecting resource usage in the Pacific Coast salmon fishery.
32. Batie, Sandra Sutch. Analysis of fresh fish sales as a function of promotion in the Portland metropolitan area.
33. Berkeley, Errol Winston. An Analysis of Oregon's wholesale demand for California table wines.
34. Charoenkul, Vilailuck. Analysis of demand for canned pink salmon.
35. Leshner, William Gene. An analysis of the United States' family food programs by states.
36. Miles, Stanley Donovan. Data requirements and transmittal techniques for applied farm organization linear programming.
37. Reiling, Stephen Douglas. The estimation of regional secondary benefits resulting from an improvement in water quality of upper Klamath Lake, Oregon: an interindustry approach.
38. Rudkin, Terry Harrold. A sampling procedure to detect alternative actions in a decision model for choosing among apple harvesting systems.
39. Shadman-Valavi, Mohammad. The role of employment in dualistic economic development: models.
40. Thompson, Stanley Robert. Scheduling cooperative postmerger decisions within a framework of uncertainty.

1972 - Masters

41. Avey, Renny Joel. A simulation analysis of the Holley dam and reservoir project with emphasis on anadromous fish enhancement.
42. Nordblom, Thomas Lee. Economic feasibility of fall-calving on Oregon high desert cow-calf operations.
43. Panasuk, Eugene Duane. Management and marketing strategies for high desert beef ranches in Eastern Oregon.
44. Vathana, Chamnong. A study of demand and supply relationships in the agricultural labor market.
45. Yadav, Ram Prakash. An econometric analysis of the demand for selected agricultural inputs in Oregon.

1973 - Masters

46. Im, Kwang Hi. An analysis of production and consumption of food in Korea.
47. Kang, Charles Shinchul. A comparison of family tax burdens in eleven western states.
48. Levy, Robert Louis. An analysis of hedging soft white wheat using the Chicago wheat futures market.
49. Olufokunbi, Banwo. The role of processors in the improvement and expansion of fruit crop production in the western state of Nigeria: a case study.
50. Onuorah, Michael Chukwuemeka. Foreign and domestic trade in canned salmon of the U.S. and Canada: the effect on the derived demand of the fishermen.
51. Ries, Norbert Sylvester. An analysis of the feasibility of establishing a Pacific Northwest white wheat futures contract.

1974 - Masters

52. Baquet, Alan Eugene. An economic evaluation of frost forecasting in Jackson County.
53. Cook, Gordon Henry. A study of crop-share leases on wheat farms in six differentiated areas of Sherman County, Oregon.
54. Miller, David Paul. Considerations in the financing of Oregon dairy enterprises; investigations of three selected problem areas.

1975 - Masters

55. Hussen, Ahmed Mohammed. An economic evaluation and benefit-cost analysis of National Fish Hatchery operations using linear programming and consumer's surplus models and concepts.
56. Ishiyama, Hisashi. Economic analysis of oyster production under controlled conditions.

1976 - Masters

57. Akrouit, Rached. Economic analysis of the limitations to the production of bread wheat in Tunisia.
58. Bailey, Ronald Owen. Structural analysis of national economies under economic integration: The Latin American experience.
59. Copeland, Jr., Basil Lavell. On the specification and interpretation of economic demand models for outdoor recreation.
60. Erlandson, Mark Jeffrey. The distribution of home, business, and speculative real estate ownership among income classes.
61. Ford, Donald Kenneth. An economic analysis of sewerage services in Tillamook, Oregon.
62. Tan, Mui Heng. An analysis of wholesalers' demand for inshell filberts.
63. Yap, Sik Sya. An economic analysis of factors related to poverty on selected Indian reservations.

1977 - Masters

64. Cheung, Kee Nam. A simulation model of an extended-Bergstrom type economy.
65. Clark, Jerry Earl. A proposed model to predict population in relatively rural areas experiencing rapid economic development.

66. McNamee, William A. Economic and financial feasibility of an expanded farm enterprise for the Umatilla Indian Reservation.
67. Queirolo, Lewis Everett. Substitutional relationships between rainbow trout and pansize salmon: a market demand analysis.
68. Waldron, Raymond Wesley. An economic analysis of industrial location characteristics for Union County, Oregon.
69. Weimar, Michael Wayne. Sanitation procedures, costs and management practices of four Oregon retail food stores.

1971 - Doctors

70. Armbruster, Walter Joseph. Simulation of farm bargaining board policies in the western late potato system.
71. Bauer, Leonard. A Quadratic programming algorithm for deriving efficient farm plans in a risk setting.
72. Bhagia, Gobind Shewakram. An economic analysis of cattle feeding and interregional flows of live and carcass beef.
73. Eiler, Doyle Alden. An economic analysis of the short-run demand for timeliness with special reference to farm machinery parts.
74. Godfrey, Erik Bruce. An economic evaluation of the range improvements administered by the Bureau of Land Management in the Vale District of Oregon.
75. Lough, Harold Wayne. The relationship between farm supply cooperatives' economic performance and their organizational power centers' levels of motivation to achieve objectives.
76. Mattox, Bruce Wade. A partial economic analysis of hatchery propagation and commercial harvest of salmonid resources in Oregon.
77. Payne Jr., William Frank. An analysis of Japanese food grain policies.
78. Randall, Alan John. Liability rules, transactions costs and optimum externality.
79. Singh, Ashok Kumar. Farm machinery merchandising: farmer and dealer preferences concerning used equipment guarantees, farm service centers and information services.

1972 - Doctors

80. Anderson, Frank Malcolm. Computer simulation of a biomanagement system--the Mendocino County deer population in California.
81. Byerlee, Derek Ronald. Agricultural development and urban unemployment: a simulation analysis of the Nigerian economy.
82. Clark, Richard Thomas. Predicted economic effects of environmental quality control policies on linear firm models and an application to an irrigated farm model.
83. Crowley, William David. The influence of net real estate income and other property characteristics on prices of agricultural properties within and among selected areas of Oregon, 1965-69.
84. Dhaliwal, Hardev Singh. An econometric investigation of demand interrelationships among tree nuts and peanuts.

85. Fisher, Douglas Earl. An economic analysis of farms producing grass seed in the Willamette Valley, with special attention to the cultural practice of field burning.
86. Grimshaw, Paul Randolph. Economic considerations for expanded feeding of livestock in the Pacific Northwest.
87. Holloway, Milton Lee. A production function analysis of water resource productivity in Pacific Northwest agriculture.
88. Mbatia, Oliver Lee E. The economic impact of the 1964 Fair Employment Practices Act and subsequent executive orders on Black Americans.

89. Moghaddam, Reza. An economic analysis of wheat production and marketing in Iran.
90. Nawas, Farid Hassan. The Oregon big game resource: an economic evaluation.
91. Pendse, Dilipsinha Chintamani. Interregional and interseasonal competition in the U.S. beef industry, 1967 -- an integrated analysis.

1973 - Doctors

92. Brar, Jagjit Singh. Costs of alternative pollution control policies affecting open field burning in the Willamette Valley of Oregon: a study in measurement.
93. Fernandez, Jose Enrique. Treatment of autocorrelated disturbances in economic functions.
94. Gibbs, Christopher John Neville. An economic study of sewage transmission and land use: an empirical application.
95. Griffin Sr., Wade Lewis. The relationship among income, labor productivity, property taxes and migration, U.S. agriculture, 1957-70.
96. Jaksch, John August. Outpatient medical costs related to air pollution in the Portland-Vancouver area.
97. Moon, Pal Yong. An analysis of foodgrain market in Korea.
98. Radtke, Hans Dietrich. The allocation of health-producing resources in the Pacific Northwest.
99. Roberts, Kenneth Joseph. Economic and environmental trade-offs in an estuarine based economy: a modified input-output model of Clatsop County, Oregon.

1974 - Doctors

100. Batie, Sandra Sutch. The United States' importation of fishery products; an econometric case study of the southern Atlantic and Gulf shrimp industry.
101. Coppedge, Robert Oneal. An economic analysis of some factors related to low income in rural Oregon with special reference to the role of education.
102. Haroldsen, Ancel DeVar. Some market and non-market effects of alternative natural resource management strategies: the case of an eastern Oregon deer population.
103. Liao, Sheng Hui. An analysis of differences in the marginal propensity to consume of farm, rural nonfarm, and urban families in the United States, 1961.

104. Lynne, Gary Dean. Multiple objective planning procedures in water resource development: the trade-off ratio.
105. Shulstad, Robert Norman. The effects of environmental contaminants on the value of outdoor recreation: mercury and pheasant hunting in Oregon.
106. Thomas, Howard Rasmus. Economic productivity of water and related inputs in the agriculture of southern Idaho.

1975 - Doctors

107. Abbas, Leon Elverne. An economic analysis of occupational mobility: a case study of Oregon commercial fishermen.
108. Ervin, David Eugene. An economic analysis of income determination for production workers in Oregon's wood products industry: a human capital approach.
109. Izadi, Ali M. An economic evaluation of irrigation water pricing on farm incomes and cropping patterns, Marv-Dasht Plain in Fars, Iran.
110. Jensen, William Sherman. A market structure analysis of the salmon processing industry.
111. Navarro, Luis Alberto. Best-linear-unbiased-scalar-residuals-based tests for specification errors.
112. O'Connor, Carl William. Measurement of the economic efficiency of selected vertically coordinated meat handling systems.

1976 - Doctors

113. Abizadeh, Sohrab. Tax components and the degree of economic development.
114. Reiling, Stephen D. An economic analysis of policies, costs and returns for public and commercial campgrounds on the Oregon coast.
115. Vieth, Gary Richard. The applicability of selected parameters of an input-output model to other similar regions: a comparison of small rural counties.
116. Wang, Der Hsiung. An econometric study of the Canadian sockeye salmon market.

1977 - Doctors

117. Cusack, Thomas James. An analysis of demand for U.S. winter pears in export markets.
118. Fonollera, Raymundo E. The impacts of government market intervention on weed control technology, income and employment: a case study of basic grain farms in El Salvador, Central America.
119. Ives, Edward Ewing. Input-output models estimated from primary data: sampling considerations and parameter variability.
120. Mwamufiya, Mbuki. Maize production and marketing in four districts of Zaire: an introductory economic analysis.
121. Schefter, John Edwin. The demand for and supply of the characteristics of a new residence and the residential location decision.

122. Schotzko, Ralph Thomas. An analysis of the effects of social security taxes on resource allocation in the U.S. farm sector.
123. Young, Douglas Leonard. An evaluation of efficiency and distributional implications of changes in weed control technology in northeast Brazil.

■ AGRICULTURAL CHEMISTRY

(no advanced degrees offered in this department)

SEE Chemistry Department

■ AGRICULTURAL ECONOMICS

SEE Agricultural and Resource Economics Department

■ AGRICULTURAL EDUCATION

(This is a subject emphasis offered jointly by the School of Education and School of Agriculture. No doctoral degrees offered in this subject. Subject includes extension education).

1971 - Masters

124. Anderegg, Ralph Harold. Developing the agriculture cluster at Canby Union High School.

1972 - Masters

125. Scott, Ronald Walter. A critique of the King County, Washington 4-H club program.

1973 - Masters

126. Cole, Richard Lee. Job opportunities in the ornamental horticultural industry for students of vocational agriculture.
127. Johnson, Wayne Edward. High school versus college grades in selected courses as an indication of academic success.
128. Oades, John Douglas. Agricultural mechanics competencies needed by vocational agriculture graduates in Jefferson County.
129. Yenne, Alan Peres. A study comparing methods of instruction for occupation education in agriculture.

1974 - Masters

130. Alaiya, Yusuf Alhaji. A new program of agricultural education for Kwara State High Schools - Nigeria.
131. Burnham, Robert Lynn. Skills and compencies for job entry in production agriculture in Polk County.
132. Eslinger, Michael Ray. An assessment of vocational agricultural cooperative work experience programs in Oregon high schools.
133. Lin, Yih-chyi. Program of preparation for extension personnel in Taiwan.

1975 - Masters

none

1976 - Masters

134. Schoenborn, Roger Ellis. Forestry competencies needed by high school graduates as rated by employers, secondary and post-secondary instructors.

1977 - Masters

135. Alden, William Harrison. A survey of Oregon school administrators: positive attributes of the Future Farmers of America program.

1977 - Doctors

136. Sutfin, Wynn Harvey. A study to identify the animal science technical competencies needed by vocational agriculture instructors.

■ AGRICULTURAL ENGINEERING DEPARTMENT

SEE ALSO Agricultural and Resource Economics Department
Civil Engineering Department
Soils Department

1971 - 1973 - Masters

none

1974 - Masters

137. Nibler, John Charles. Quantitative evaluation of winter fluctuating water tables for drainage criteria in the Willamette Valley.
138. Verley, Wayne Edward. A helically flighted rotating cylinder for concentrating manure solids.
139. Will, Gregory Leonard. Infiltration under a rainfall simulator.

1975 - Masters

none

1976 - Masters

140. Kizer, Michael Andrew. A computer model to simulate farm irrigation system energy requirements.
141. Macnab, John Edward. Modeling the effects of tractive effort on agricultural tractor energy requirements.
142. Bonna, Ata Kusi. Model study of drainage in shallow layered soils.

AGRICULTURAL ENGINEERING TECHNOLOGY

(This is an undergraduate program only)

SEE Agricultural Engineering Department

AGRICULTURAL EXTENSION

SEE Agricultural Education

AGRICULTURE, SCHOOL OF

SEE Agricultural and Resource Economics Department
Agricultural Education
Agricultural Engineering Department

■ AGRICULTURE, SCHOOL OF (cont.)

SEE Animal Science Department
Crop Science Department
Fisheries and Wildlife Department
Food Science and Technology Department
Horticulture Department
Poultry Science Department
Soil Science Department

■ AGRONOMIC CROP SCIENCE

SEE Crop Science Department

■ ANALYTICAL CHEMISTRY

SEE Chemistry Department

■ ANIMAL BREEDING, HUSBANDRY, NUTRITION

SEE Animal Science Department

■ ANIMAL SCIENCE DEPARTMENT

SEE ALSO Botany and Plant Pathology Department
Crop Science Department
Poultry Science Department
Veterinary Medicine Department
Zoology Department

1971 - Masters

143. Day, Paul Edward. The relationship of blood glucose levels to ovulation rate and early embryonic mortality in gilts.
144. Gjesvold, James Allen. Some ovarian characteristics of the postpartum rabbit.
145. Hines, William Wester. Plant communities in the old-growth forests of North Coastal Oregon.
146. McCulloch, William John. Iron absorption and transport mechanisms as related to genetic susceptibility to cotton fur in mink.
147. Macy, Gregg Harlan. Application of linear programming techniques to ration formulation for lambs and steers.

1972 - Masters

148. Handl, William Paul. Influence of spring crested wheatgrass production on intake of grazing steers.
149. Rice, Patrick Ralph. Taste reaction in Columbian black-tailed deer.
150. Stangel, Donald Earl. Lysine-arginine interrelationships and dried whey utilization in monogastric rations.

1973 - Masters

151. Meyers, George Henry. Comparative values of corn and corn cannery waste silages for milk production in dairy cattle.
152. Shull, Lee Ray. Vitamin E, selenium and tri-o-cresylphosphate interrelationships.

1974 - Masters

153. Corum, Kathleen Steele. Genotype x environment in sheep.

154. Erickson, Lloyd Ronald. Livestock utilization of a clear-cut burn in north-eastern Oregon.
155. Findley, Roger Raymond. Changes in plant communities following rangeland brush control.
156. Johnston, Weldon Kearney. The effect of selenium on chemical carcinogenicity in the rat.
157. McDaniel, Kirk Cole. A comparative study of two land classification systems for use with remote sensor data.
158. Miller, Richard Frank. Spring, summer and fall use by cattle and big game on foothill rangelands.
159. Ross, George Franklin. The identification of selected vegetation types in Arizona through the photointerpretation of intermediate scale aerial photography.
160. Shedgeby, Gene Gordon. Effect of feeding concentrates of Lactobacillus lactis on fecal bacterial flora, scouring, and weight gain in swine.

1975 - Masters

161. McCarthy, Michael Scott. Influence of steroids and gonadotropin releasing hormone on serum luteinizing hormone levels in prepubertal castrate Holstein bulls.
162. Myer, Robert O. Utilization of processed alfalfa meals by monogastric animals.
163. Reece, Patrick Eldon. Autecology of three perennial grasses relative to micro-environmental modification following permanent defoliation of Wyoming big sagebrush.
164. Sheehy, Dennis Patrick. Relative palatability of seven Artemisia taxa to mule deer and sheep.
165. Van Zwoll, Wayne Cornell. Chemical analysis of three forage plants collected from pastures suspected of inciting acute bovine pulmonary emphysema.

1976 - Masters

166. Bel Isle, Dennis Marc. Influence of maternal instinct stimulated by calf contact on the hormonal induction of lactation in the bovine.
167. Cedillo, Rose Mary. Genetic and environmental differences in age at first estrus and in wool and lamb production of crossbred ewe lambs.
168. Elliott, Jon Carner. Diet and feeding behavior of cattle at risk to dietary acute bovine pulmonary emphysema (DABPE).
169. Page, Edward Bryce. Criteria for selection and management in the swine breeding herd.
170. Taiwo, Bolaji. Biological and economic effects of flushing and creep feeding in sheep.
171. Thompson, Kenneth Earl. The effect of certain production factors and rates of gain on carcass characteristics of beef steers.

1977 - Masters

172. Alderfer, Jean Marie. A taxonomic study of bitterbrush (Purshia tridentata (Pursh) DC.) in Oregon.
173. Allen, Renee Allana. In vitro estradiol-induced protein synthesis in the endometrium of cyclic and steroid-treated ovariectomized ewes.
174. Kezar, Wesley Wade. The effects of fats and urea on in vitro cellulose digestion.
175. Kinzell, John Harold. Potential new protein sources for monogastric animals.
176. McInnis, Michael Lindsay. A comparison of four methods used in determining the diets of large herbivores.
177. Ngam, Joe Eric Tosah. The inheritance of appetite in ruminants.
178. Schiemann, Calvin Aloysius. Management techniques for induction and synchronization of estrus in prepuberal gilts in confinement.
179. Schurg, William Alan. Ryegrass straw and whole corn plant pellets as alternative roughages for horses.

1977 - Doctors

180. Akbar, Abulfatah Maqsood. Some effects of estradiol on ovine luteal function.
181. Wood, Benjamin William. Response of Canada milkvetch (Astragalus canadensis var. mortonii (Nutt.) Wats.) to range and forest improvement practices in Northeastern Oregon.

1972 - Doctors

182. Anderson, Daniel Craig. In vitro and in vivo evaluations of chemically treated ryegrass straw.
183. Chakraborty, Prabir Kumar. Pituitary and uterine control of ovarian function in the gilt and ewe.
184. Garcia-Moya, Edmundo. A preliminary vegetation classification of the Tombstone, Arizona, vicinity.
185. Martinez, Andres. Effect of some major and trace element interactions upon in vitro rumen cellulose digestion.
186. Pyott, William Tucker. Numerical classification of range vegetation and statistical analysis of its ecology.

1973 - Doctors

187. Burkhart, Harry Ray. Cryogenic preservation of ram spermatozoa.
188. Dean, Ronald Edward. Nutritional aspects of artificially feeding captive and wild deer.
189. Mehren, Michael John. Taste responses of pygmy goats and cattle.
190. Wheaton, Jonathan Edward. Role of hypothalamic biogenic amines in the release of luteinizing hormone in the ewe.
191. Wright, Rodney Joseph. Employment opportunities for and competencies needed by graduates in animal production from a community college.

1974 - Doctors

192. Lesperance, Anthony Layne. Effect of molybdenum, sulfate and alfalfa on the bovine.
193. Phillips, Ralph Leon. The nutritive interrelationships of tallow and urea in ruminants.
194. Randall, Ronald Patrick. Some psychophysiological aspects of taste and eating rate in cattle, sheep and horses.
195. Shultz, Thomas Anthony. The effect of various additives on nutritive value of ryegrass straw silage.

1975 - Doctors

196. Johnson, James Russell. Small scale photo probability sampling and vegetation classification in southeast Arizona as an ecological base for resource inventory.
197. Kartchner, Rex John. Forage intake and related performance criteria of spring and fall calving cow-calf pairs on summer range.
198. Schrumpp, Barry James. Multiseasonal-multispectral remote sensing of phenological change for natural vegetation inventory.
199. Stuth, Jerry Wayne. Livestock, deer and logging interactions in the lodgepole pine-pumice region of central Oregon.

1976 - Doctors

200. George, Philip Burton. Glucose metabolism by gravid sows.
201. Kellems, Richard Owen. The effect of ration formulation on the subsequent generation of volatile gases and odors from bovine waste.
202. Shull, Lee Ray. Selenium effects and species differences in hepatic metabolism of pyrrolizidine alkaloids and other xenobiotics.
203. Stoszek, Milena Jaroslava. Copper deficiency in cattle in the Klamath Basin.
204. Thetford Jr., Frank Oren. Responses of vegetation and sheep to three grazing pressures.

1977 - Doctors

205. El Hassan, Babiker Ahmed. The impact of three stocking intensities and four grazing treatments on the carbohydrate reserves of perennial ryegrass (*Lolium perenne* L.).
206. Ford, Stephen Paul. Concerted actions of ovarian steroids and prostaglandin F_{2α} on smooth muscle contractility of ovine and bovine uterine arteries.
207. Price, David Porter. Cow calf confinement energy levels.

■ ANTHROPOLOGY

SEE Interdisciplinary Studies

■ ATMOSPHERIC SCIENCES DEPARTMENT

(includes: meteorology)

1971-1974 - Masters

none

1975 - Masters

208. Andrews, Leta. A statistical study of the correlation between the surface and surface geostrophic winds in the Willamette Valley.
209. Chan, Michael Wai-hung. Diurnal fluctuation of meteorological variables above sloping terrain.
210. Hennessey, Jr., Joseph Paul. A study of the variation of the surface roughness lengths at Ris, Denmark.

1976 - Masters

211. Strem, Eric Thomas. A study of the relation between radar and rain-gage indicated rainfall over northern California.

1977 - Masters

212. Baker, Robert Walker. Seasonal variation of wind gustiness in a portion of the Columbia Gorge.
213. Frank, Albert E. Fronts and frontogenesis as revealed by high time resolution data.
214. Frick, Walter Eugen. The influence of stratification on plume structure.
215. McDonough, Thomas Andrew. On the relationship between winter storms, strong winds, and the associated pressure field along a rugged western coast.

1971-1977 - Doctors

none

■ AUTOMOTIVE ENGINEERING

SEE Mechanical Engineering Department

■ BACTERIOLOGY

SEE Microbiology Department

■ BIOCHEMISTRY AND BIOPHYSICS DEPARTMENT

1971 - Masters

none

1972 - Masters

216. Lu, Fung-jou. The effect of coenzyme on the bis(1-anilino 8-naphthalenesulfonate) induced association of lactic dehydrogenase.
217. Pedersen, Nels David. Gas chromatographic determination of selenium in biological materials.

1973 - Masters

218. Chan, Teresa Wai-Lan. The effect of DDT on infectivity of RNA tumor viruses.

1974-1975 - Masters

none

1976 - Masters

219. Von der Trenck, Karl Theodora. Mercury and cadmium binding proteins in marine mammal tissues.

1977 - Masters

none

1971 - Doctors

220. Adams, Gerald Springer. Isoprenoids of bovine aorta: isolation, purification, and biosynthesis.
221. Babcock, Donner Franklin. Investigations of the isoprenoid nucleosides of pea root transfer rionucleic acid.
222. Craig, Albert Morrie. Intercalation of hydrocarbons in polynucleotides.
223. Dreiling, Charles Ernest. Triap (1,1,3-tricyano-2-amino-1-propene): a stimulator of enzyme synthesis in myelinating chick embryo sciatic nerves.
224. Epstein, Arnold. Kinetics of synthesis and degradation of chicken liver xanthine dehydrogenase.
225. Green, Terrence Robert. Changes in enzyme activities of the isoprenoid pathway in germinating Pisum sativum.
226. Hayes, Lyle Wayne. Fatty acids in the eggs and sac fry of steelhead trout (Salmo gairdneri): a developmental study.
227. Kiessling, Ann Drue. Nucleic acid polymerases associated with neoplasms.
228. McKenzie, Raymond Leslie. Studies on the interaction of polylysine with deoxyribonucleic acid.

1972 - Doctors

229. Dickinson, Helen Rose. Vacuum ultraviolet absorption studies of model sugar compounds.
230. Engle, Wilbur Allen. Partial purification and characterization of an Ls-NADP: isocitrate oxidoreductase from embryonic chick liver.
231. Hinds, Thomas Richard. A partial characterization of the deoxyribonucleic acid found in the thoracic muscles of the tobacco hornworm moth (Manduca sexta).
232. Schuyler, Robert John. Monophoton decay time fluometry. Theory, design, and application to biochemical systems.

1973 - Doctors

233. Carpenter, Donald Ellis. Subunit structure of Cancer magister Hemocyanin.
234. Gandolfi, Allen Jay. Hexachlorophene: its absorption, distribution, excretion, and biotransformation in the rat and rabbit and in vitro interaction with rat liver microsomes.
235. Malencik, Dean Anthony. Glutamate dehydrogenase: I. Fluorescence polarization studies of the Self-Association. II. Fluorescence and circular dichroism studies of the heterotropic interactions.
236. Shine, Ward Edward. Trans-cis isomerization of geraniol and geranyl phosphate by

cell-free enzymes from higher plants.

237. Wehr, Herbert Michael. Reactions of protein with phenols and quinones; evaluation of amino acid modification and protein digestibility.
238. Wickett, Richard Randall. Conformational changes in histone IV as induced by salts and nucleoside triphosphates.

1974 - Doctors

239. Albin, Edward Elmo. Cyclic nucleotide, phosphodiesterase, protein kinase, and phosphoprotein phosphatase in the central nervous system of Manduca sexta.
240. Lysis, Aldons Jakabs. The β -glucosidase system of the thermophilic fungus Chaetomium thermophile.
241. Nelson, Richard Gordon. Circular dichroism of monosaccharides in the vacuum ultraviolet.
242. Sahasrabudde, Chintaman Gopal. Physicochemical studies on the structure of eukaryotic chromatin.

1975 - Doctors

243. Fischer, Jr., William Carl. The effect of selenium deficiency on the fatty acid metabolism of rats and lambs.
244. Leete, John Huntington. The influence of monovalent cations on tryptophanase and pyruvate kinase as studied by fluorescence, circular dichroism, and kinetic methods.

1976 - Doctors

245. Bump, Edward Allen. Intracellular oxidation of glutathione in L-5178Y lymphoma cells by procarbazine and diamide: parallel studies.
246. Fang, Ta-yun. Studies on sterol; UDP glucose glucosyltransferase in germinating pea seedling.
247. Rose, George David. Calculation relating to the structure of biopolymers.

1977 - Doctors

248. Arisaka, Fumio. Allosteric properties and the association equilibria of hemocyanin from Callisaurus californiensis.
249. Herman, Timothy Merle. Chromatin structure: possible regulatory role in gene expression.
250. Kerkvliet, Nancy Isaacson. The transplantability and growth of the Walker 256 carcinosarcoma in rats exposed to a polychlorinated biphenyl, Aroclor 1254.
251. Kovacic, Roger Timothy. Hydrodynamic properties of homogeneous double-stranded DNA.
252. Lewis, Donald George. Circular dichroism of amylose and glucose oligosaccharides in the vacuum ultraviolet.
253. Smerdon, Michael John. Physical properties of calf thymus H1 histones: conformational changes and interactions with two nonhistone chromosomal proteins.
254. Strandholm, John Jeffrey. Pyruvate kinase isozymes in beef and chicken.

255. Wang, Jun-Lan. The effect of hexachlorophene and related compounds on torula yeast glucose-6-phosphate dehydrogenase and some other dehydrogenase enzymes.

■ BIOLOGICAL SCIENCE

SEE Biochemistry and Biophysics Department
Biological Oceanography
General Science Department
Microbiology Department

■ BIOLOGICAL OCEANOGRAPHY

(includes: marine pollution ecology,
marine ecology)

1971 - Masters

256. Butler, John Lawton. Swimbladder morphology and buoyancy of Northeastern Pacific myctophids.
257. Larsen, Ingvar Lauren. Determination of ⁶⁵Zn specific activity in various tissues of the California sea mussel, Mytilus californianus.
258. Lee, Wen-yuh. The copepods in a collection from the southern coast of Oregon, 1963.
259. Roelofs, Nancy Ann. Nitrate reductase activity as a factor influencing the seasonal succession of marine phytoplankton.
260. Sumich, James Larry. Growth of a sea urchin, Allocentrotus fragilis, at different depths off the Oregon coast.
261. Tomlinson, Richard Douglas. Non-biological uptake of zinc-65 from a marine algal nutrient medium.
262. Tonjes, Stephen Dodd. Zinc-65 uptake by a bacterium isolated from Alder Slough, Columbia River Estuary.

1972 - Masters

263. Coughenower, David Douglas. Early spring nutrient conditions of southeastern Alaska's Inside Passage.
264. McCrow, Lynne Tucker. The ghost shrimp, Callinassa californiensis Dana, 1854, in Yaquina Bay, Oregon.
265. Menzies, David William. Short-period quantitative and qualitative utilization of food carbon and nitrogen by starved Calanus copepods.

1973 - Masters

266. Cañon, José Raul. Distribution of anchoveta (Engraulis ringens Jenyns) in northern Chile in relation to selected oceanographic conditions.
267. Haefner, James Welt. Simulating phytoplankton population dynamics in a miniature sea.
268. Kirk, Deborah Kathleen. Physical hydrography and nutrient nitrogen budget of Auke Bay, Alaska.
269. Schonzeit, Michael Harvey. Relationships between lower trophic levels and hydrography during an upwelling season off Oregon.

1974 - Masters

270. Carrillo Barrios-Gomez, Enrique. Experimental interbreeding between Atlantic and Pacific populations of the marine calanoid copepod Acartia clausi Giesbrecht.
271. Frey, Bruce Edward. Recycling of iron and conditioning of sea water by a marine dinoflagellate.
272. Frey, John Richard. Endogenous activity rhythms of the vertically migrating ocean shrimp, Pandalus jordani.
273. Harney, Priscilla Jeanne. Loss of zinc-65 and manganese-54 from the freshwater mollusc anodonta.
274. Johnson, John Kenneth. The dynamics of an isolated population of Acartia tonsa Dana (Copepoda) in Yaquina Bay, Oregon.
275. Lundy, Daniel Wayne. Rapid equilibrium response of a marine diatom to external and internal nutrient concentrations.
276. Marlowe, Christopher James. Vertical distribution patterns in a subarctic Pacific zooplankton community.
277. Parr, Robert Alexander. Harbor dredging and benthic infauna; a case study.
278. Vogel, Allan Hayes. Distribution and abundance of four trace metals in net phytoplankton and seston off the Oregon coast.

1975 - Masters

279. Boese, Bruce, Leon. The activity pattern of Diadora aspera.
280. Deason, Ellen Elizabeth. An in-situ experiment on the effects of zooplankton grazing and nutrient regeneration on the phytoplankton of Yaquina Bay, Oregon.
281. DeManche, John Michael. Urea and ammonia as regenerated nitrogen nutrients for phytoplankton.
282. Donaghay, Percy Lowry. Population dynamics of Skeletonema costatum in high dilution rate chemostats.
283. Longaker, Harold L. Growth response of a marine phytoplankton Coccolithus huxleyi to various chemical forms of cobalt.
284. Myers, Anne Hutchinson. Vertical distribution of zooplankton in the Oregon Coastal zone during an upwelling event.
285. Shabica, Stephen Vale. Reproductive biology of the brooding Antarctic lamellibranch Kidderia subquadratum Pelseneer.
286. Smith, Linda Ruth. Small-scale horizontal spatial distribution of four species of copepods off the Oregon coast.
287. Wiese, Craig Stewart. Effects of the polychlorinated biphenyl mixture Aroclor® 1254 on Acartia clausi.

1976 - Masters

288. Haines, Virginia Ewald. Effects of polychlorinated biphenyls (PCBs) on the respiration of the speckled sanddab (Citharichthys stigmaeus).
289. Holden, Robert Bennett. The distribution and role of "available" iron in two estuaries.

290. Oliver, Brian Lee. The abundance, distribution, and ecology of the Tanner crab, Chionoecetes tanneri Rathbun, on the southern Oregon continental slope.
291. Tester, Patricia Ann. Size classes, population structure, growth, sex ratio, and size and age at maturity of Chionoecetes tanneri Rathbun (Brachyura: Majidae) off the Oregon coast.
292. Vander Hart, Archie Lee. Factors influencing sex ratio in the estuarine copepod genus Eurytemora.

1977 - Masters

293. Jefferts, Katharine. The vertical distribution of infauna: a comparison of dredged and undredged areas in Coos Bay, Oregon.
294. King, Alan Roy. Acute effects of sedimentation on Cumella vulgaris Hart 1930 (cumacea).

1971 - Doctors

295. Bertrand, Jr., Gerard Adrian. A comparative study of the infauna of the central Oregon continental shelf.

1972 - Doctors

296. Iverson, Richard Lowell. A systems approach to pelagic ecosystem dynamics in an estuarine environment.
297. Sutton, Emery Allen. The physiology and life histories of selected cryophytes of the Pacific Northwest.
298. Zimmerman, Steven Thomas. Seasonal succession of zooplankton populations in two dissimilar marine embayments on the Oregon coast.

1973 - Doctors

299. Esaias, Wayne Evor. Studies on the occurrence, physiology, and ecology of bioluminescence in dinoflagellates.
300. Vanderploeg, Henry Alfred. The dynamics of ⁶⁵Zn in benthic fishes and their prey off Oregon.

1974 - Doctors

301. Keene, Donald Frederick. Tactics of Pacific Northwest albacore fishermen - 1968, 1969, 1970.
302. Mueller, James Lowell. The influence of phytoplankton on ocean color spectra.
303. Naidu, Janakiram Ramaswamy. Radioactive zinc (⁶⁵Zn), zinc, cadmium, and mercury in the Pacific hake, Merluccius productus (Ayres), off the west coast of the United States.
304. O'Connors, Jr., Harold Blane. The feeding behavior of two populations of the estuarine copepod Acartia clausi.

1975 - Doctors

305. Elvin, David Winter. Oögenesis in Mytilus californianus.

306. Larsen, David Phillips. Growth control of a marine diatom by low and limiting levels of nitrate-nitrogen.
307. Lough, Robert Gregory. Dynamics of crab larvae (Anomura, Brachyura) off the central Oregon coast, 1969-1971.
308. Pequegnat, John Eugene. Trace metals in phytoplankton from an area of coastal upwelling.

1976 - Doctors

309. Castillo, Jorge Gonzalo. Analysis of the benthic Cumacea and Gammaridean Amphipoda from the western Beaufort Sea.

1977 - Doctors

310. Carney, Robert Spencer. The patterns of abundance and relative abundance of benthic holothurians (Echinodermata: Holothurioidea) on Cascadia Basin and Tuft's Abyssal Plain in the northeast Pacific Ocean.
311. Dickinson, John Joseph. Two zoogeographic studies of deep sea benthic gammarid amphipods.
312. Frey, Bruce Edward. Effects of micro-nutrients and major nutrients on the growth and species composition of natural phytoplankton populations.
313. McMurray, Gregory. Species specific phytoplankton production rates during a spring diatom bloom in Yaquina Bay, Oregon.
314. Pearson, Walter Howard. The effects of PCB exposure on the behavior of the shore crab Hemigrapsus oregonensis.
315. Richardson, Michael Donald. The classification and structure of marine macrobenthic assemblages at Arthur Harbor, Anvers Island, Antarctica.
316. Shabica, Stephen Vale. The natural history of the Antarctic limpet Patinigera polaris (Hombron and Jacquinot).
317. Sullivan, Barbara Koster. Vertical distribution and feeding of two species of chaetognaths at weather station P.

■ BIOPHYSICS

SEE Biochemistry and Biophysics Department

■ BOTANY & PLANT PATHOLOGY DEPARTMENT

SEE ALSO Biological Oceanography
Crop Science Department
Forest Management Department
Horticulture Department

1971 - Masters

318. Huhtanen, Dianne Carol. Treatment of June yellows and witches'-broom in strawberry with oxytetracycline.
319. McIntyre, John Lee. Inactivation of Verticillium dahliae in peppermint stems by propane gas flaming.
320. Williams, Janet Lynn. A study on the carotenoids of wild-type and mutant strains of the alga, Scenedesmus obliquus.

321. Wu, Ta-Yun. Non-random labelling of geraniol biosynthesized from $^{14}\text{CO}_2$ in Pelargonium graveolens.

1972 - Masters

322. Florance, Edwin Ray. Ultrastructure of dormant and germinating conidia of Aspergillus nidulans.
323. Gill, Gary Lawlor. Some macrophytic, intertidal algal associations on the coast of Oregon.

1973 - Masters

324. Berglund, Lisette Aline. Laboratory studies of successional patterns in assemblages of attached estuarine diatoms.
325. Campbell, Alcega Gilbert. Vegetative ecology of Hunts Cove, Mt. Jefferson, Oregon.
326. Fishbeck, Kathleen Ann. Measurement of nitrogenase activity of intact legume symbionts in situ using the acetylene reduction assay.
327. Hawk, Glenn Martin. Forest vegetation and soils of terraces and floodplains along the McKenzie River, Oregon.

328. Jaques, Dennis Randall. Reconnaissance botany of alpine ecosystems on Prince of Wales Island, southeast Alaska.
329. Matheron, Michael Earl. Partial purification and determination of some properties of an aminotransferase of pea (Pisum sativum L.) plants.

1974 - Masters

330. Dutlu, Cevdet. Physiologic races of stripe rust (Puccinia striiformis West.) of wheat (Triticum aestivum Vill.) in the Pacific Northwest during 1971 and 1972.
331. Gordon, Donald E. The importance of root grafting in the spread of phytophthora root rot in an immature stand of Port-Orford-cedar.
332. Jaeger, Joy Rae. Factors affecting a bioassay for Agrobacterium tumefaciens in natural soil.
333. Larsen Jr., Harold Julius. Ascocarp development in Anthracoobia melaloma.
334. Neil, Garry Allen. Variation in metabolism, thallus characteristics, and water relations of three populations of Loboria pulmonaria from western Oregon.
335. Newman, Kenneth Winston. The relation of time and the water table to plant distribution on deflation plains along the central Oregon coast.

1975 - Masters

336. Glad, Judith B. Taxonomy and ecology of Mentzelia mollis Peck and related species.
337. Miller, John Michael. Polymorphic, sympatric flavonoid variants of Claytonia perfoliata Donn from the Columbia River Gorge.
338. Nelson, Arthur Duane. Nitrogen fixation associated with grasses and other species in Oregon.
339. Rhoades, Frederick Mast. Growth in the lichen Lobaria oregana as determined from sequential photographs.

1976 - Masters

340. Dalton, David Andrews. Nitrogen fixation by Purshia tridentata: some ecological aspects and root nodule anatomy.
341. Henry, Eric Charles. Development, reproductive morphology, and cytology of Pelvetiopsis limitata (Setchell) Gardner (Phaeophyta, Fucales).
342. Karentz, Deneb. The distribution of planktonic diatoms in Yaquina Estuary, Oregon.
343. McNeil, Robert Curlan. Vegetation and fire history of a Ponderosa pine-white fir forest in Crater Lake National Park.
344. Ostrofsky, Andrea. Ascospore discharge and germination in Xanthoria polycarpa.
345. Ostrofsky, William Dow. Survival of Phytophthora lateralis in an organic matter fraction of the soil.
346. Sontirat, Pattana. Phylloplane microorganisms on the leaf surfaces of bean (Phaseolus vulgaris L.), hop (Humulus lupulus L.), mint (Mentha piperita L.) and tomato (Lycopersicon esculentum Mill.).

1977 - Masters

347. Ames, Robert Norman. Studies on the vesicular-arbuscular mycorrhizae of Easter lily in the Pacific Northwest.
348. Barnes, April E. Hootman. The development and maturation of the Elaiosome of Dicentra formosa (Andr.) Walp.
349. Keys, Steven Charles. Stomatal activity patterns in provenance plantations of Abies concolor and Abies grandis.
350. Plocher, Milton David. Growth and nutrient content of Chamaecyparis lawsoniana seedlings from contrasting soils in Coos County, Oregon.
351. Roberts, Mary Ann. Localization of sulfated polysaccharides in Fucus embryos.
352. Thompson, Dennis Dean. Taxonomic studies of the Eucephalus complex of Aster in the Pacific Northwest.

1971 - Doctors

353. Chairez, Ruben. The partial purification-characterization of bean yellow mosaic virus.
354. Carr, John Edward. Effects of cork bark disease on cambial activity and secondary tissues in Abies lasiocarpa (Hook.) Nutt.
355. Coolbaugh, Ronald Charles. The biosynthesis and metabolism of (-)-kaurene in cell-free extracts of immature pea seeds.
356. Ezell, Wayland Lee. Biosystematics of the Mimulus nanus complex in Oregon.
357. Hook, Patricia Waynette. Light and electron microscopy of chloroplasts in Equisetum gametophytes.
358. Koch, Burton Lee. A biochemical investigation of the nitrogenase system from soybean root nodules.
359. Ogbuji, Rufus Omez. Studies of northern root-knot nematode (Meloidogyne hapla, Chitwood 1949) biotypes and some factors associated with their biology and pathogenicity.

360. Ogg Jr., Alex Grant. The physiological effects and fate of dichlobenil (2,6-dichlorobenzo-nitrile) in an aquatic environment.
361. Ross, William David. Degradation of phenolic components of Douglas-fir bark by fungi.
362. Sisson Jr., Warren Elmer. Effects of the balsam woolly aphid (Adelges piceae (Ratzburg)) on the cambial activity of grand fir (Abies grandis (Dougl.) Lindl.) and sub-alpine fir (Abies lasiocarpa (Hook.) Nutt.).
363. Wong, Peter Pasteur. An investigation of the metabolism of poly- β -hydroxybutyrate and its possible role in nitrogen fixation in soybean root nodules.
364. Wulff, Barry Lee. Structure and productivity of marine benthic diatom communities in a laboratory model ecosystem.

1972 - Doctors

365. Adams, David Howard. The relation of cover to the distribution of Armillaria mellea in a Ponderosa pine forest.
366. Beaver, Richard Gary. The influence of environment and pathogen variability on the infection of wheat by Puccinia striiformis West.
367. Haines, John Haldor. The genus Trichopezizella.
368. Jatala, Parviz. Interrelationships of Meloidogyne hapla Chitwood, 1949 with Heterodera schachtii Schmidt, 1871 on Beta vulgaris L.
369. Nagao, Ronald Tsutomu. Partial purification and properties of tryptophan synthase of pea (Pisum sativum L.) plants.
370. Palmer, Brent C. Pathogenic and gel electrophoretic comparison of pseudomonads from fruit trees.
371. Pflieger, Francis Louis. A compound from onion roots inhibitory to Pyrenochaeta terrestris.

1973 - Doctors

372. Cobb, William Thompson. The influence of sulfur and carbohydrate nutrition of Fusarium oxysporum f. sp. lycopersici on resistance to methylisothiocyanate.
373. Englander, Larry. Growth and sporulation of Phytophthora lateralis in vitro as influenced by the chemical and physical environment.
374. McCoy, Mary Lois. The application of mathematical models in the epidemiology of foot rot of wheat caused by Cercospora herpotrichoides Fron.
375. Main, Stephen Paul. The distribution of epiphytic diatoms in Yaquina Estuary, Oregon.
376. Roeper, Richard Allen. Biology of symbiotic fungi associated with Ambrosia beetles of western United States.
377. Rowe, Randall Charles. Initiation and spread of footrot of wheat caused by Cercospora herpotrichoides Fron.
378. Snow, Gerald Eldon. Some factors controlling the establishment and distribution of Quercus agrifolia Nee and Q. engelmannii Greene in certain southern California oak woodlands.
379. Strand, Mary Ann Sall. Simulation of population changes of western dwarf mistletoe on Ponderosa pine.

380. Todd, Leona Esther. Benthic algal flora of four rivers of the middle Willamette River Basin.

1974 - Doctors

381. Carr, Robert Leroy. A taxonomic study in the genus Hackelia in western North America.
382. Crayton, Michele Allen. Sulfation of fucoidan in Fucus embryos and its possible role in localization.
383. Florance, Edwin Ray. The developmental cytopathology of Prunus persica Batsch. and P. avium L. infected with X-disease and Albino disease respectively.
384. Harvey, George Mather. Epidemiology of Lophodermella morbida in plantations of ponderosa pine in western Oregon.
385. Henderson, Jan Alan. Composition, distribution and succession of subalpine meadows in Mount Rainier National Park.
386. Israel, Daniel Wesley. Purification and some properties of nitrogenase from soybean root nodules.
387. Johnston, James Clelland. Cytokinin production by species of the fungus Taphrina.
388. Sontirat, Suebsak. Relationships of six saprozoic nematodes and a nitrogen-fixing bacterium, Rhizobium japonicum (Kirch.) Bachanan.
389. Stewart, Elwin Lynn. The genus Gautieria Vitt. (hymenogastres-basidiomycetes).
390. Strand, Larry L. Characterization of two endopolygalacturonase isozymes produced by Fusarium oxysporum f. sp. lycopersici.

1975 - Doctors

391. DeBoer, James Arthur. The utilization of nonliving algal products by larval oysters.
392. Eshtiaghi, Hassan. Effects of the northern root-knot nematode (Meloidogyne hapla Chitwood, 1949) on Mitcham peppermint (Mentha piperita L.) and Scotch spearmint (Mentha cardiaca Baker).
393. Fogel, Robert Dale. The genus Leucogaster (Basidiomycetes, Leucogastraceae).
394. Harvey, Geoffrey W. Characteristics of two noncarotenogenic light sensitive mutants of Scenedesmus obliquus strain D₃.
395. Irwin, Roger Deane. The etiology of bacterial soft rot of onions and identification of the causal organisms.
396. Jefferson, Carol Annette. Plant communities and succession in Oregon coastal salt marshes.
397. Rossman, Amy Yarnell. The genus Ophionectria (Ascomycetes, Hypocreales).
398. Schoner, Carl Arnold. Ecotypic adaptation of Setaria lutescens (Weigel) F. T. Hubbard to alfalfa culture in California.
399. Shaw III, Charles G. Epidemiological insights into Armillaria mellea root rot in a managed Ponderosa pine forest.
400. Stevens, Patricia T. Cell wall formation in Fucus zygotes: cellulose synthesis and deposition after fertilization.
401. Wright, Billie Dean. Laboratory studies of bacteriophagous nematodes as potential vectors of insect pathogens.

1976 - Doctors

402. Aho, Paul Eugene. Fungal and bacterial associations in heart rots of Abies concolor (Gord. and Glend.) Lindl. and techniques for estimating damage in southwestern Oregon.
403. Chuaiprasit, Chalermiarb. Morphology, physiology and pathogenicity of Trichoconis padwickii Ganguly, the cause of Stackburn disease of rice.
404. Filip, Gregory Michael. Chemical applications for control of amillaria root rot of Ponderosa pine.
405. Larsen, Jr., Harold J. The genus Anthracobia Boudier (Pezizales, Ascomycetes).

1977 - Doctors

406. Amspoker, Michael Craig. The distribution of intertidal diatoms associated with the sediments of Yaquina Estuary, Oregon.
407. Hawk, Glenn Martin. A comparative study of temperate Chamaecyparis forests.
408. Juday, Glenn Patrick. The location, composition, and structure of old-growth forests of the Oregon coast range.
409. Kaplan, Hesh J. A chemosystematic study of the phylogenetic position of Arabidopsis thaliana (L.) Heynh. (Brassicaceae) employing numerical methods.
410. Lint, Harold LeRoy. A revision of Juncus subgenus genuini (Juncaceae) in the Pacific states.
411. Sicher, Richard Charles. The effects of a mutation within vitamin E biosynthesis upon the development and function of the photosynthetic apparatus.

■ BUSINESS AND DISTRIBUTIVE EDUCATION

SEE ALSO Adult, Community College and Community Education

1971 - 1977 - Masters

none

1971 - Doctors

412. Cain, Lewis Albert. The significance of paternal education and occupation as contributing factors in the identification of managerial motivation in the high school senior boy.
413. Houghton, Edward Lee. A follow-up study of the business graduates of Southern College--1964-1969.
414. McMillan, Gilbert Earl. A national analysis of business teacher certification.
415. Schoesler, Ronald Dean. The development and evaluation of new instructional media for the offset duplicating process utilizing the audiscan system.
416. Wong, Shirley Mabel. A study to compare the effects of three different methods of reading copy when proofreading straight paragraph copy materials by first-year typewriting students.

1972 - Doctors

417. Kashuba, Steven Carson. A study of the relationship between attitudes toward business and level of occupational aspiration.
418. Melendy, Gayle Willis. A study evaluating the business curricular practices in the public community colleges of California.
419. Morales, Luis E. A study and evaluation of administrative data processing uses in selected community colleges.
420. Scudder, Duston Richard. Factors crucial to success of supermarket managers in a large western company with implications for curriculum development in post-secondary institutions.
421. Skaff, Lorraine Barbara. The development and validation of a predictive instrument to measure student success in the first semester of Gregg shorthand.

1973 - Doctors

422. Schultz, Alan Raymond. An empirical study of the problem of attrition of students of first-year accounting in Oregon community colleges.
423. Scott, James Calvert. The statistical significance of multilevel materials on post-test scores for a basic business unit on business organizational structure.

1974 - Doctors

424. Bowman, Vernon Leonard. A historical study of business education and secretarial science at Oregon State University.
425. Martel, Ira. The effect of the DECA Merit Awards Program on high school student interest levels toward careers in marketing.
426. Singkofer, Martin Delbert. A factor analysis of the occupational competence of vocationally certified teachers of business education subjects.

1975 - Doctors

none

1976 - Doctors

427. Varin, Dennis Lawrence. An analysis of a computer-assisted laboratory of instruction in elementary business statistics.

1977 - Doctors

none

■ CAREER EDUCATION

SEE Vocational Education

■ CELLULOSE CHEMISTRY

SEE Forest Products Department

1971 - Masters

428. Kim, Dong Suk. Diffusion coefficients of propanol and methanol in mixtures of air and argon.
429. Lee, Sung Chun. Diffusion coefficients of isopropyl alcohol in binary and multicomponent gas systems involving air and argon.
430. Spink, Thomas Joseph. The pressure and temperature effects on the solubility of nitrogen in distilled water.

1972 - Masters

431. Khang, Soon-jai. Catalyst deactivation.
432. Mohandes, Abdolhosein. Friction losses for water flowing in non-circular ducts.
433. Waller, Donald Kenneth. Determination of concentration gradients in a diffusing binary gas system by optical interferometry.

1973 - Masters

434. Coles, David George. Chemical compositional studies of marginal rift and plateau basalts from Saudi Arabia.
435. Eddy, Larry Lee. An investigation of the structure of nickel(II)chloride by high temperature electron diffraction.
436. KiYokane, Richard Junji. Kinetics and mechanisms of nucleophilic displacement reactions with S-methyl-S-phenyl-sulfiminium perchlorate.

1974 - Masters

437. Jovanovic, Goran N. Natural and forced turbulent mixing in rod bundles.
438. Scheel, Randall Lee. Turbulent mixing between adjacent triangular channels - measurement by two techniques.

1975 - Masters

439. Corlett, Thomas Lee. Heat transfer characteristics of liquid-liquid dispersions flowing in an annulus.
440. Story, Michael Kenneth. Surface temperature effects on the fouling characteristics of cooling water.
441. Yazhari, Faramarz. Simulation model of a total recycle urea process.

1976 - Masters

442. Chan, Pui Yuen. Turbulent mixing across adjacent subchannels in packed rod bundles using conductivity measurement.
443. Morse, Robert Weber. Alkalinity effects on the scaling of simulated cooling tower water.
444. Nam, Sehyun. Longitudinal dispersion of flowing fluids in coiled tubes.
445. Satvat, Behrooz. Residence time distribution in tubular flow vessels with multiple baffles.

1977 - Masters

446. Ahmad, Arshad. Computer simulation of a generalized pharmacodynamic model for mammals.
447. Donlevy, Byron Tristan. Measuring solids movement in a large particle, air fluidized bed: two new methods.
448. Golshani, Aboutaleb. Dynamics behavior of a cascade, cross-flow, packed column.
449. Hieu, Le Minh. The kinetics of the chlorination of copper in the thin film range.
450. Hughes, Patrick Conan. A steady-state, liquid-liquid contactor for experimental study of interphase mass transfer.
451. Ogbonnah, Dominic Jude. Ammonia absorption from entrained bubbles produced by liquid.

1971 - Doctors

452. Galbraith, Kirk Powell. Single phase turbulent mixing between adjacent channels in rod bundles.
453. Halladay, Jeremy Brooke. Simultaneous homogeneous and heterogeneous chemical reaction kinetics: thermal decomposition of nitrous oxide on a gold surface.
454. Henning, Frank Allen. A mathematical model of n-Hexadecane transformation by an Arthrobacter species.
455. Hovey, Leonard LeRoy. Surface renewal for the absorption of odoriferous sulfur compounds in a wetted wall column.
456. Soöt, Peet Mati. A study of two-phase liquid-liquid flow in pipes.

1972 - Doctors

457. Chatlynne, Charles Jule. A study of the effects of heat transfer on the performance of a wetted-wall column: a refinement of the design correlation of Chilton-Colburn.
458. Dev, Lachhman. Momentum and heat transfer characteristics of liquid-liquid dispersions in turbulent flow in an annulus.
459. Hauxwell, Gerald Dean. Pool absorption of gas entrained by a plunging liquid jet.
460. Hill, Stephen DeMont. Heat and mass transfer in Kroll process titanium sponge during salt evaporation.
461. Vierra Jr., George Joseph. A study of climbing-film flow characteristics of various liquids and air in an annular duct.

1973 - Doctors

462. Cosart, William Primm. Transpiration cooling of a rotating disk.
463. Godfrey, James Hendricks. A new apparatus for studying mass transfer and reaction between two fluid phases.

1974 - Doctors

none

1975 - Doctors

464. Barchers, Daniel E. Optimal convergence of complex recycle process systems.
465. Khang, Soon-jai. New scale-up and design criteria of stirrer agitated batch and flow mixing vessels.

1976 - Doctors

466. Chang, Feg-wen. Discrete modeling of flow systems.

1977 - Doctors

467. Park, Jin Yong. Optimum operating cycle for systems with deactivating catalyst and the reaction of solid particles.

■ CHEMICAL OCEANOGRAPHY

(includes: marine radio-ecology)

1971 - Masters

none

1972 - Masters

468. Lenaers, William Michael. Photochemical degradation of sediment organic matter: effect on Zn-65 release.

1973 - Masters

469. Atlas, Elliot Leonard. Changes in chemical distributions and relationships during an upwelling event off the Oregon coast.
470. Evans, David William. Effects of ocean water on the soluble-suspended distribution of Columbia River radionuclides.
471. Mehrbach, Carl. Measurement of the apparent dissociation constants of carbonic acid in seawater at atmospheric pressure.

1974 - Masters

472. Dahm, Clifford Neal. A study of nutrient dynamics in the Atlantic Ocean.
473. Marmorino, George Otto. Equilibrium heat and salt transport through a diffusive, thermohaline interface.

1975 - Masters

474. Scheidt, Ronald Carl. Relation between natural radioactivity in sediment and potential heavy mineral enrichment on the Washington continental shelf.

1976 - Masters

none

1977 - Masters

none

1971 - Doctors

none

1972 - Doctors

475. Culberson, Charles Henry. Processes affecting the oceanic distribution of carbon dioxide.

1973 - Doctors

476. Gordon, Louis Irwin. A study of carbon dioxide partial pressures in surface waters of the Pacific Ocean.
477. Hawley, John Edward. Bicarbonate and carbonate ion association with sodium, magnesium and calcium at 25° C and 0.72 ionic strength.

1974 - Doctors

none

1975 - Doctors

none

1976 - Doctors

478. Atlas, Elliot Leonard. Phosphate equilibria in seawater and interstitial waters.

1977 - Doctors

479. Evans, David William. Exchange of manganese, iron, copper, and zinc between dissolved and particulate forms in the Newport River estuary, North Carolina.

■ CHEMISTRY DEPARTMENT

(includes: analytical chemistry)

SEE ALSO Biochemistry and Biophysics Department
Chemical Engineering Department
Chemical Oceanography
Forest Products Department
Pharmacology and Toxicology

1971 - Masters

480. Ash, Kenneth Carl. A study of photon counting employing a double-beam digital photometer.
481. Elliott Jr., Stanley Claud. A quadratic programming routine for the statistical analysis of gas chromatographic data.
482. Hauschild, John Arthur. Chromatographic separation of alkaline earth metals using alpha-hydroxyisobutyric acid.
483. Knepp, Donald Jack. The conductivity of lead oxide doped potassium chloride single crystals.
484. Koch, Victor Raymond. Free-radical hydrogen abstraction from polycyclic aliphatic hydrocarbons.
485. Landberg, Björn Erik. The reaction of methylhydrazine with various 2-substituted 4,6-dimethoxy-5-nitropyrimidines.
486. Lilley, Suetta Albin. Lattice vibrations of lithium hydroxide: isotopic effects and factor group analysis.
487. Miller, Clinton Earl. Optimization by transfer function estimation of the galvanovoltammetric determination of dissolved chlorine in a flowing stream.
488. Nicholson, Barry Howard. Elemental abundances in selected Oregon basalts.
489. Tantivanich, Amnard. A study of certain reactions of 4-chloro-6-methylhydrazino-5-nitropyrimidine and the 4-methoxy and 6-dimethylamino analogs.

1972 - Masters

490. Chin, Alice Wai-lee. Oxy-Cope, and Siloxy-Cope rearrangement of cis-1-vinylcyclooct-3-en-1-ol.
491. Choi, Young Bok. A pyrolysis of cis-1-trimethylsiloxy-1-cyclopropyl-3-cyclononene; the thermal isomerization of 2-phenyl-1-trimethylsiloxy-1-vinylcyclononane.
492. Hong, Pak-kong. Oxymercuration of cyclodeca-1,2,5,8-tetraene.
493. Hoover, Steven Edward. A mechanism for filiform corrosion of aluminum.
494. Kouts, Daberath. The effect of oxide impurity on the conductivity of potassium chloride.
495. Ni, Rain Wo. A study of the permanganate oxidation of 4-methylpyrimidine to pyrimidine-4-carboxylic acid.
496. Shum, Yin-sang. Isomeric cross-section ratios of Cd^{115} and Cs^{134} for charged particle induced fission.
497. Studer, Harry Vaughn. Some transition metal complexes of trivalent phosphorus esters.
498. Vasofsky, Richard William. Solvent selectivity by homionic bentonites.
499. Warren, Richard Gregory. The chemical composition of 61 individual Allende chondrules.

1973 - Masters

500. Chan, Edwin Ming Yeung. Solute-solvent interactions in gas chromatography.
501. Li, Tsai-chi. Thermodynamics of the reaction between F and M centers in KBr.
502. McRitchie, Donna Louise. The photodecomposition of t-butyl bicyclo [7.1.0] decane-2-percarboxylate.
503. Murdick Jr., Dewey A. The design of an easily operated dc argon plasma arc for atomic spectroscopic analysis.
504. Staible, Thomas Fredrick. The reaction between O-ions and F centers.
505. Walton, Edward Samuel. The siloxy-cope rearrangement of 1,2-divinyl-1-trimethyl-siloxycyclohexane and related systems. The acid-catalyzed rearrangement of bicyclo [5.1.0] octyl-8-methanol.
506. Warden, Bruce Edward. The electrochemical oxidation of aqueous sulfur dioxide solutions at a glassy carbon electrode.
507. Wong, Rosy Wan-han. Free radical hydrogen abstraction from benzocycloalkenes.

1974 - Masters

508. Arneson, Robert Lawrence. The oxidation of triethylamine by thallium(III) chloride.
509. Cooper, Thurman Dale. Elemental abundances in the silicate phase of pallasitic meteorites.
510. Eghdami, Kombiz Oskui. Steric effects in hydrogen abstraction. The reaction of a α -alkyltoluenes and a, α -dialkyltoluenes with the trichloromethyl radical.
511. English, James Roger. The structure and thermodynamic properties of 2-bromoethanol as determined by gas phase electron diffraction.

512. Fleming, Michael Paul. Pyrolysis of dimerally unsaturated, eight-member chains.
513. Miller, Donald Ashley. Chemical composition of layered gabbros and mineral separates from the Red Sea area.
514. Sung, Wing Lam. Alkylation studies on Hagemann's ester. An approach to the synthesis of the trisporic acids.

1975 - Masters

515. Arnold, James Charles. Homolytic aromatic substitution. Substituent effects in the radical trichloromethylation of 9-X-anthracenes.
516. Boop, Janice Lee. Catalytic rearrangement of cyclodeca-1,2,5-triene and oxymercuration of bicyclo-[7.1.0]-deca-2,3-diene.
517. Hawley, James Edward. Cold vapor atomic absorption and fluorescence analysis of mercury.
518. Hill, Dale Wayne. Chemical composition studies of Oregon and Washington coastal basalts.
519. Holmes, Steven Allen. X-ray photoelectron spectroscopy of trifluoromethylbenzenes and chlorofluoromethanes.
520. Kong, Ming J. Diffusion in silicone polymers.
521. Palmer, Curtis Allyn. Analysis of fourteen trace elements in Saudi Arabian layered gabbros by radiochemical neutron activation analysis.
522. Reid, Richard Donald. Use of a tungsten filament atomizer in atomic absorption spectrometry.
523. Sloan, Camilla Peel. Formation of sulfenato and sulfinato cobalt (III) complexes by the oxidation of coordinated cysteine.

1976 - Masters

524. Bolesta, Richard Edward. Siloxy-cope rearrangements of the trans-1-vinylcyclo-tridec-3-en-1-ol system.
525. Chang, Sue-chen. Hydrogen abstraction from β -(substituted phenyl)-ethyl bromides.
526. Cheng, Jack Ching-ping. The intramolecular ene reaction of some 1,2-diallylcyclohexanes.
527. Hoyt, Steve Dow. Design of a chemiluminescence photometer and its application to trace chromium (III) analysis.
528. Lane, Thomas Alfred. The oxidation of trimethylamine by copper (II) chloride.
529. Yerke, John Fredric. Donor centers in vanadium pentoxide.

1977 - Masters

530. Conard, Roberta. A study of the chemical composition of Ca-Al-rich inclusions from the Allende Meteorite.
531. Jones, Roger Allen. Trace element abundances in automobile exhaust particulate.
532. Millen, William George. Diffusion of n-alkanes in polydimethyl-silicones.
533. Porter, Miles John. A continuous amperometric monitor for aqueous sulfite solutions using bipolar current readout.

534. Walsh, James Elroy William. Decomposition of perfluoroalkyl groups bonded to boron.

1971 - Doctors

535. Chaney, Robert Edgar. Dipole relaxation effects in doped potassium chloride by the double crystal method.
536. Emken, Walter Charles. An investigation of the molecular structure and vibrational potential function of thiazyl chloride (NSCl) by electron diffraction and infrared spectroscopy.
537. Gilbert, Michael McCall. Conformational analysis: the molecular structure of tetrafluorohydrazine, N₂F₄, by gaseous electron diffraction.
538. Gordon, Donald Joseph. Infrared spectrum of isotopic cyanate ion in potassium chloride and potassium bromide.
539. Hauswirth, William Walter. Fluorescence studies on the bases of the nucleic acids in solution at room temperature.
540. Lehmkuhl, Frank Arvid. A study of the anomalous reaction of 4,6-dimethoxy-5-nitropyrimidine with methylhydrazine.
541. McClelland, Bruce Wilson. Electron-diffraction investigations of the molecular structures of some oxides of nitrogen: I. dinitrogen tetroxide (N₂O₄) II. dinitrogen pentoxide (N₂O₅).
542. Neisess, John Allen. Electron-diffraction investigation of gaseous molecules. Part I: 2,3-dichlorobutadiene and 2,3-dibromobutadiene. Part II: methyldiazene.
543. Paul, James Leonard. Kinetics of F-center aggregate formation.
544. Platt Jr., James LeGrande. The synthesis and valence isomerization of some *para*-substituted 1-phenyl-1,3,5-hexatrienes.
545. Satcher, Robert Lee. A study of the photolysis of the aqueous thymine system at 214 nm, 229 nm and 254 nm.
546. Schmidt, Donald Dean. The autoxidation of dichlorobis(triethylphosphine)cobalt(II).
547. Unruh, Jerry Dean. Hydrogen abstractions from arylmethanes.

1972 - Doctors

548. Campbell, John Douglas. Studies of some reactions of sulfinyl sulfones and sulfinic anhydrides.
549. Chadwick, Thomas Carl. The kinetics and stereochemistry of electrocyclic ring cleavage of some 2H-pyrans.
550. DeMattei, Robert Chase. Electron-diffraction investigation of the molecular structure of gaseous nickel(II)chloride (NiCl₂).
551. Gregory-Allen, Dorothea Joyce. An electron diffraction investigation of the structure of 1,4-cyclohexanedione.
552. Janghorbani, Morteza. Application of piezoelectric quartz crystal as partition detector; development of a digital transducer.
553. Kiwi, John Tichauer. Structure and radiolysis of concentrated nitrate solutions.
554. Mar, Kenneth Mow. Dielectric relaxation in crystalline V₂O₅.

555. Osborn III, Thomas Ward. Elemental abundances in meteoritic chondrules.

556. Osten, Donald Edward. Investigation of the effects of atmospheric pressure and composition on Q-switched laser plumes from metal and graphite targets by spatiotemporally resolved emission and atomic absorption measurements.
557. Raghavan, Ramaswamy Srinivasa. Reactive intermediates in the tricyclo-[3.2.1.0^{2,4}] octane ring system.
558. Wesley, Robert Dee. Infrared spectra and geometry of matrix isolated rare-earth and IIIB metal fluorides.

1973 - Doctors

559. Axtell, Darrell Dean. Reactions of triethylphosphine and related phosphonium chlorides with copper (I) and copper (II) chloride.
560. Billigmeier, James Earl. Siloxy-cope and oxy-cope rearrangements of the *cis*- and *trans*-1-vinylcyclodec-3-en-1-ol systems. Acid-catalyzed rearrangement of *cis*-bicyclo [6.1.0] nonane-*cis*- and *trans*-9-methanols. An effective two-carbon ring expansion.
561. Cluff, John Robert. Mobile phase mass transfer in chromatographic beds of impermeable spheres.
562. Cooke, Rodney Dean. Infrared, reflection and Raman spectra of sodium and potassium bifluoride.
563. Hardy, Thomas Archer. Divalent carbon intermediates in some bridged polycyclic compounds.
564. Hanson, Gary Craig. Mechanistic study of some internal substitution reactions and a substitution at sulfenyl sulfur.
565. Huang, Tzer-hsiang. Infrared and Raman spectra of solid phosphine.
566. Starr, Duane Frank. A theoretical study of vibrational relaxation in gaseous ammonia.
567. Stevenson, Brian Keith. Carbonium ion intermediates in the tetracyclo [4.3.0.2,4.0^{3,7}] and tetracyclo [4.3.0.0^{2,4}.0^{3,8}] nonane ring systems.
568. Ziebarth, Timothy Dean. Reactive intermediates in the tetracyclo-[3.3.0.0^{2,7}.0^{4,6}] octane, the tetracyclo-[3.3.0.0^{2,4}.0^{3,7}] octane, and related ring systems containing the norbornane skeleton.

1974 - Doctors

569. Blanchet, Pierre François. Nucleophilic substitution at nitrogen. Mechanisms and intermediates involved in substitution reactions of the hydroxylamine-o-sulfonate ion.
570. Curtis, David Ballantyne. A chemical study of the minerals from L-6 chondritic meteorites.
571. DeJong, Gary Joel. High intensity pulsed hollow cathode lamps.
572. Groening, Hugo Rafael. The structure of the fission transition nucleus ²²⁷Ra.
573. Li, Thomas Hoi-chow. Part I. Synthesis and Cope rearrangement of some substituted

hexadienes. Part II. Formation of N-phenyl and N-methyl pyridinium salts from 1, 7-diaza-1, 3, 5-heptatrienes.

574. Newkirk, David Dudley. Intramolecular transfer of complexed radicals as a possible explanation for long range substituent effects observed in hydrogen abstraction reactions.
575. Shen, Quang. Electron diffraction investigations. I. The molecular structures of the gaseous group III halides Al_2Cl_6 , Al_2Br_6 , Al_2I_6 - Al_2I_3 , Ga_2Cl_6 , and Ga_2Cl_6 , and Ga_2Br_6 - $GaBr_3$; II. The gaseous equilibria $2 NO_2 \rightleftharpoons N_2O_4$ and $2 GaBr_3 \rightleftharpoons Ga_2Br_6$.
576. Shum, Yin-sang. Atmospheric trace elements and their application in tracing air pollution.
577. Starkovich, John Anthony. Electrode double layer measurements and voltammetry of some organosulfur compounds in sulfolane.
578. Sudbury, Barry Arnold. Characterization of a trivalent-nitrogen center. Nucleophilic substitution on hydroxylamine-o-sulfonic acid in dimethyl sulfoxide-water solvents.
579. Van Leirsburg, Dean Alan. The interaction of CO , N_2 , NO , and O_2 with fourth period metal dihalides.

1975 - Doctors

580. Cleary, Michael Franklin. Part I.: Reactions of 2-isopropoxymethylene-cyclohexanone with organometallic reagents. Part II.: Thermal rearrangements of ethyl 3-(2-vinyl cyclohexen-1-yl) propenoate and 1-vinyl-2-propenylidenecyclohexyl methyl ether.
581. Coe, Douglas Albert. Infrared and raman vibrational studies of aluminum tris-tetrahydroborate and cyclopentadienylberyllium tetrahydroborate.
582. Lin, Crystal. Concerted dearomatization reactions; *cis*-1-phenyl-2-vinylcyclopropane in the Cope rearrangement.
583. Megy, Joseph Allen. Thermodynamic properties of the chloride and fluoride salts of zirconium and hafnium dissolved in molten salt solvents.
584. Meserole, Frank Barry. Spectral investigation of the molecular vibration region of single crystalline potassium sulfate.
585. Miller, Ralph Edward. The rotational motion of molecules in crystalline solids.
586. Nunnelley, Lewis Lee. Proton-neutron-hole states in antimony isotopes populated in the beta decay of ^{128}Sn and ^{130}Sn .
587. Vasofsky, Richard William. Selectivity mechanisms of dimethyldioctadecylammonium montmorillonite and hectorite for xylene isomers in the vapor phase.

1976 - Doctors

588. Arco, Manuel Jose. The synthesis of non-actic acid.
589. Bouchard, Sister Mary Joseph. The structure of the fission transition nucleus ^{235}U .
590. Church, Daniel Frank. A study of the free radical addition of thiophenol to

substituted α -methylstyrenes and vinylarenes.

591. Ely, Stephen Robert. Novel lanthanide compounds with π -ligands. I. The reactions of lanthanum, neodymium and erbium atoms with cyclooctatetraene. II. The reactions of neodymium and erbium chlorides with the dicarbollide ion.
592. Grow, James Michael. A Mossbauer effect investigation of the magnetic hyperfine structure in bis (morpholyl-dithiocarbamate) iron(III) halides.
593. Jischke, John Henry. The system sulfur chloride-sulfur dioxide-chlorine. Equilibrium and catalysis kinetics studies.
594. Joedicke, Ingo Bernd. Cobalt (II) complexes of Tertiary phosphorus esters: studies of spin state and coordination number equilibria, and of the autoxidation reaction.
595. Kirkemo, Curtis Lee. Approaches to the synthesis of polyketides. Vermiculine.
596. Lesiecki, Michael Louis. Spectroscopic studies of matrix isolated high temperature molecules.
597. Machida, Hisashi. A study of simultaneous diffusion of Ca^{2+} and Sr^{2+} in alkali chlorides.

598. Rojhtantalab, Hossein Mohammad. Spectroscopic studies of molecular dynamics and structure at low temperature: I. Torsional barriers for multitop molecules. II. Vibrational energy transfer. III. Carbon trihalide free radicals.
599. Schick, Lawrence Edward. Thermal π -route rearrangement of 4-cycloheptene-1-methyl acetate.
600. Suzuki, Edward Masaru. Spectroscopic studies of matrix isolated molecules; I. The fluorosulfate radical. II. *Cis*-3, 4-dichlorocyclobutene. III. Cyclobutadiene.

1977 - Doctors

601. Delphey, Craig Edward. 1,2-divinylcyclohexenes: synthesis and thermal rearrangement studies.
602. Furuta, Takuya. Approaches to the synthesis of penicillin.
603. Hutchinson, Larry Lee. Radical anions, radicals and anions. The formation and stereochemistry of alkyl lithium reagents from lithium 4, 4'-Di-*tert*-butylbiphenyl and alkyl halides.
604. Jewett, James Richard. A quantitative description of the silver/aqueous cyanide electrolyte interface and the effect of the interface on the rate of electro-deposition of silver.
605. Manabe, Ronald Masao. Effects of atmospheric pressure on line widths and spatial distributions of the transient atomic absorption signals of minor constituents in metal samples atomized by a dye laser microprobe.
606. Moy, Gerald George. Thermal reactions of some selected olefins.
607. Rusay, Ronald Joseph. The retro-ene reaction of 2-vinylcyclohexanols and approaches to the synthesis of botryococcene.

608. Smith, Steven Reid. Gas phase x-ray photo-electron spectroscopy of compounds containing multiply-bonded oxygen.
609. Walters, Charlene Ann. Kinetic studies of some reactions of sulfinic and sulfonic esters.
610. Wilson, Robert Loren. Design, development and optimization of a fluorometric reaction-rate instrument and method of analysis for metal ions.

■ CHILD DEVELOPMENT

SEE Elementary and Secondary Education
Family Life Department
Home Economics Education

■ CIVIL ENGINEERING DEPARTMENT

(includes: construction management)

SEE ALSO Agricultural Engineering Department
Industrial and General Engineering
Systems Department

1971 - Masters

611. Adams, Burton Warren. System design for dungeness crab processing.
612. Atkinson, Sheridan William. BOD and toxicity of log leachates.
613. Chu, Eddy Tak-hing. Effects of imbedded perforated pipes on permeability of gravelly streambeds.
614. Grenney, William James. Modeling estuary pollution by computer simulation.
615. Houck, George Campbell. The use of polymers for better settling in domestic waste treatment systems.
616. Khuayjarernpanishk, Thanasarn. Stress-strain-time relations for a compacted residual soil.
617. Sobolewski, William Joseph. Effect of deposits in Columbia Slough on algal growth in Smith and Bybee Lakes.
618. Steward, John Erwin. Numerical method for calculating construction pore pressures in embankments.

1972 - Masters

619. Chasse, James Peter. Behavior of stream inflows to a stratifying field reservoir.
620. Conner, Dan Alan. Relationships between seasonal suspended sediment behavior and reservoir turbidity.
621. Helland-Hansen, Erik Andreas. Stability of gravel at artificially created spawning beds in uncontrolled streams.
622. Horning, Richard Alan. Experimental behavior of wide-flange beams with web holes.
623. Smith, Stanley Allan. Spatial, diel and seasonal variations in dissolved oxygen and temperature within a stratified lake.

1973 - Masters

624. Keener, Quentin Roosevelt. An investigation of the feasibility of a cutbank slope design method based on the analysis of natural slopes.

625. Korpalski, Thomas Paul. A study on the oxidation of sulfides in estuarine waters.
626. Plasker, James Robert. An evaluation of the cubic autotape under dynamic conditions.
627. Taylor, Dennis William. Nutrients in runoff from spray irrigation of swine wastes.
628. Touhey, Robert James. Biodegradability and oxygen uptake studies on resuspended estuarine bottom sediments.

1974 - Masters

629. Barrero-Quiroga, Franklin. Pile hammer selection by driving stress analysis.
630. Boley, Scott Lyman. Discharge coefficient of an estuarine entrance.
631. Dodds, Donald J.. A manual for plate loading tests performed on rock.
632. Kao, Yeoung Ting. Consolidation characteristics of calcareous deep sea-floor sediments from the Panama Basin.
633. Orwig, Charles Edwin. Prediction of monthly streamflows for Oregon coastal basins using physiographic and meteorological parameters.
634. Tseng, Ying-chuan. Modeling hydraulic dredge spoil fate.
635. Weise, Harry Gordon. Airphoto analysis of estuarine circulation.

1975 - Masters

636. Barnes, Bert Lee. Experiments on cable strumming and flow induced drag.
637. Hansen, Lawrence Alan. Penetration resistance predictions for driven piling.
638. Huber, David S. Large scale model testing of the FMC submerged wave attenuation device.
639. Kelsay, Harry Stanley. Investigation of a nonwoven fabric as a reinforcement for gravel paved roads.
640. McKenzie, David Roller. Seasonal variations in tidal dynamics, water quality and sediments in the Alsea Estuary.
641. Narkiewicz, Steven Arthur. Flow slide control with slope revetments.
642. Newton III, Vernon C. Ultimate bearing capacity of shallow footings on plastic silt.
643. Norton, Robert Leon. Comparison of Vermont and Oregon statutory land surveyor laws.
644. Pyles, Marvin Russell. Disposal of sandy pipeline dredge spoils' by end dumping.
645. Rippe, Arlan H. Settlement predictions for normally consolidated alluvial silt.
646. Stilley, Alan Neal. A model study of fabric reinforced earth walls.
647. Utt, Michael Ernest. Seasonal variations in tidal dynamics, water quality and sediments in the Siuslaw Estuary.

1976 - Masters

648. Boda, Joseph Owen. Overland flow treatment of swine lagoon effluent.
649. Charbeneau, Randall Jay. Ambient current effects on vertical selective flow withdrawal in a two layer reservoir system.

650. Greenway, Daryl Rodney. Fabric reinforcement of low embankments on soft foundations.
651. Hafen, Blaine. Forces on a transverse circular cylinder in a steady uniform flow near a plane boundary.
652. Hansen, Larry Bruce. The wastewater treatment characteristics of a rotating flighted cylinder.
653. Hartman, Gregory LeRoy. Evaluation of estuarine channel conditions in Coos Bay, Oregon using side-scan sonar.
654. Hoffman, Eldon Randall. Fate of ammonia volatilized from a confinement livestock facility.
655. Sing, Gerald Lum. Computer model: mass transfer from single rising gas bubbles in water.
656. Wright, James Christopher. Wave forces on a horizontal circular cylinder near a plane boundary.

1977 - Masters

657. Boyce, Allen Rodger. Interstitial fluid mixing in estuarine benthic sediments.
658. Noble, Scott Morgan. Use of benthic sediments as indicators of marina flushing.
659. Tang, Shing Shirley. Chetco River tidal hydrodynamics and associated marina flushing.

1971 - Doctors

660. Dominguez, Richard Frank. The static and dynamic analysis of discretely represented moorings and cables by numerical means.
661. Shugar, Theodore Anthony. Structural analysis of symmetrical penstock bifurcations by the finite element method.
662. Stephens, Charles Talmon. Biaxial bending of concrete members with applications to prestressed concrete power poles.

1972 - Doctors

663. Grenney, William James. Mathematical model of a phytoplankton community in a nitrate limited environment.
664. Yamamoto, Tokuo. Transport and adsorption of proteinaceous particles during flow through porous media.

1973 - Doctors

665. Hamernik, Robert E. Curriculum synthesis and amelioration: a case study of undergraduate civil engineering.
666. Lertlaksana, Voravit. Finite element analysis of culverts under embankments with time dependent and non-linear properties.
667. Milhous, Robert Thurlow. Sediment transport in a gravel-bottomed stream.
668. Polensek, Anton. Static and dynamic analysis of wood-joint floors by the finite element method.

1974 - Doctors

669. Goodwin, Carl Raymond. Estuarine tidal hydraulics - one dimensional model and predictive algorithm.

670. Landers, William Brooks. Experimental investigation of stresses in steel I-beams with rectangular holes in the webs.

1975 - Doctors

671. Cameron, George Richardson. Displacement response of transmission line conductors during random wind gusts.
672. Currie, James William. A model for simulating river and reservoir temperatures with applications for anadromous fish management.
673. Khuayjarernpanishk, Thanasarn. Behavior of a circular cell bulkhead during construction.

1976 - Doctors

674. Kittisatra, Likhit. Finite element analysis of circular cell bulkheads.
675. Su, Chong-guang. Hydraulic functions of soils from physical experiments and their applications.

1977 - Doctors

676. Muellenhoff, William Paul. Effects of pressure and deposit thickness on the stabilization rate of benthic marine sludge deposits.

■ CLOTHING, TEXTILES, & RELATED ARTS DEPARTMENT SEE ALSO Home Economics Education

1971 - Masters

677. Ashley, Carol Ann. Relation of selected seaming methods and threads to the breaking strength and elongation of seams in a polyester double-knit fabric.
678. Buhl, Audrey Ann. Clothing and household textiles of Aurora Colony, Oregon 1857 to 1877.
679. Burridge, Judith Ann. Comparison of instructional television and audio-tutorial methods with the traditional method of teaching body measurement, pattern alteration, and garment fitting.
680. Miller, Anne Elaine. A comparison of the experimental and the existing elementary clothing construction courses at Oregon State University in terms of student background and achievement in factual knowledge.
681. Palmer, Nancy Ann. Effects of wash water temperatures and drying methods on dimensional stability and surface appearance of filament polyester double knit fabrics.
682. Sugimura, Diane Maeda. Clothing behavior related to certain personality traits of a selected group of Japanese and American men and women.

1972 - Masters

683. Horn, Mona Jean. The Kwakiutl version of the Chilkat blanket on Vancouver Island, British Columbia.
684. Jacobsen, Mary Ann. Norwegian-American ethnicity and ethnic clothing, textiles, and household objects.

685. Kim, Jae Sook. Effect of selected methods of abrasion on certain physical properties of high wet modulus rayon.
686. Lauritsen, Chrisanne Clark. Innovativeness in clothing and textiles as related to adoption leadership, venturesomeness, perceived sewing competence, and selected demographic factors.
687. McKean, Doris Spears. The effect of concentrated color on student performance.
688. Olstrom, Janet Marie. Satisfaction with clothing and personal appearance related to self-esteem and participation in activities among full-time homemakers.
689. Park, Jae Hyeun. The variations and use of the fret, swastika, Shou and Hsi motifs in Chinese textiles.
690. Sim, Sung Sik. Physical properties related to the serviceability of certain lining fabrics.
691. Snyder, Janet Lovseth. Clothing behavior of adolescents in an economically disadvantaged rural community.

1973 - Masters

692. Cross, Miriam Helen. Factors associated with selection of apparel items worn in horse show competition.
693. Lathrop, Nadine Ruyle. Automation and mechanization in the apparel industry in the state of Washington.
694. Meloy, Betty Thiessen. Quilts and quilt-making in the Willamette Valley of Oregon.
695. O'Toole, Kathy Sue. Innovators and non-innovators in furniture purchase compared on their creativity, change orientation, and social participation.
696. Wheeler, Judith Ann. Relationship between home sewing practices, perceived sewing competence, sex-role concept, and selected demographic factors.

1974 - Masters

697. Dersch, Fay Avis. The relationship of time orientation to selected clothing variables measured among tenth and twelfth grade high school girls.
698. Kitts, Anne Garland Harvell. Relationship between learning of basic weaving techniques and visual perception abilities of primary school children.
699. Mezera, Margaret Ann. Screen printing on tensioned warps in handwoven fabrics.
700. Reed, Julie Jirel. Macedonian women's festival dress of the areas Skopska Crna Gora and Skopska Blatija.
701. Reppeto, Marjorie Converse. The use of contemporary textiles in liturgical vestments in Episcopal churches of the West Coast.

1975 - Masters

702. Blair, Sarah Robinson. Nitrogen content and performance of shirt fabric durable press finished with dimethyloldihydroxyethyleneurea.
703. Carter, Susan Gray. Consumer perception and acceptance of color change.

704. Duncan, Anne Elaine. Performance characteristics of a soil-release finish on polyester knit fabrics.
705. Kartchner, Grace Joan. Dresses of Mormon girls, ages one to twelve, in the Great Salt Lake and Utah Valleys from 1847 to 1896.

1976 - Masters

706. Chan, Karen Joyce. The relationship of motivation for sewing, amount of sewing, perceived depersonalization of the job, and creativity.
707. Cron, Marie Elizabeth Gilbert. Clothing acquisition and satisfaction and life satisfaction of older women.
708. Godard, Jean Guyer. Medieval domestic furniture of the fourteenth and fifteenth centuries in England, France, and the Low Countries as portrayed in selected manuscript illuminations.
709. Handorf, Linda Lee. Evaluation of color change in textiles by middle-aged women.
710. Shaw, Linda Louise. Social motivation and clothing selection problems of the classic achondroplastic dwarf.
711. Stillings, Karen Lee. Inmate satisfaction with correctional institution clothing.

1977 - Masters

712. Hall, Terry Lynn. Success in a clothing construction course and self esteem in a women's penal institution.
713. Hsu, Jui-Ling. Comparison of strength, elongation and evenness of selected types of polyester sewing threads.
714. Lee, Siyeun. Traditional furniture style in China and Korea.
715. Meier, Rebecca Anne. Analysis of factors influencing creativity displayed through clothing construction projects.
716. Smith, Barbara Ellen. Fiber artists of Oregon.

1971-1977 - Doctors

none

- COLLEGE, UNIVERSITY TEACHING & ADMINISTRATION (includes: college student attitudes & values, college & university administration & teaching).

SEE ALSO College Student Services Administration
Counseling & Guidance
Industrial & General Engineering
Systems Department (Ghaffari, Ebrahim #1772)

1971-1977 - Masters

none

1971 - Doctors

717. Foote, Thomas Herbert. An experimental analysis of two methods of college instruction.

718. Theriault, Donald Paul. A comparison of groups of students and faculty at Oregon Technical Institute with reference to their perception of the college environment.

1972 - Doctors

719. Fretwell, David Herbert. Analysis of selected factors relating to academic success, utilization of training and return home of Latin American students who have graduated from the California State College system.
720. Rye, Jack Clinton. Some characteristics of selected freshman [sic] identified as certain or uncertain about their choice of academic majors at the time they enrolled in Oregon State University fall term, 1970.
721. Watson, Herbert Witherspoon. The relationship self-actualization and an individualized field centered undergraduate teacher-education program.

1973 - Doctors

722. Coles, Donald James. An exploration of current specific morals, values and beliefs of parents, students and faculty at a church-related college.
723. Heisler, Mary Kathryn. Factors which differentiate United States students who wish to study in cross-cultural educational programs.
724. Paeth, Jr., Charles August. A Likert scaling of student value statements, field independence, and experimentally induced change.
725. Scharff, Charles Eldon. A study of the ability of verbally creative teachers to identify verbally creative students.
726. Stutler, Douglas Lee. The interrelationship between academic achievement of college freshmen women and measures of anxiety and ability.

1974 - Doctors

727. Petry, Larry L. Linguistic foundations and cultural diversity for the teacher education program at Oregon State University; an instructional system.

1975 - Doctors

728. Barnhill, Gratton Allen. The relationship of marital status and sexual identification of university students to eleven attitudinal variables.
729. McComb, Marlin Richard. Native American programs as socio-cultural adaptive mechanisms to the college environment: a case comparison of the University of Oregon and Oregon State University.
730. Taylor, William Lawrence. A study of perceived and preferred ratings of institutional goals and priority rankings as viewed by faculty, students, and administrators at Oregon State University.
731. Vennewitz, Peter Jan. A study to determine the effects of a college human sexuality course upon student sex knowledge and attitudes toward selected sexual topics.

732. Young, Leon C. The effects of advance and post organization on the learning and retention of prose material.

1976 - Doctors

733. Berger, William Robert. Study of student values as an index for determination of the feasibility of adding Liberal Arts major and minor programs to the Bible College curriculum.
734. Kenyon, Stanley Jay. The effectiveness in fulfilling the stated goals of a teacher education program as evaluated by graduates of that program.
735. Wimmer, William Eugene. Effects of a program of study skills instruction on the attitudes of a disadvantaged group of college freshmen.
736. Yon, Moon-hee. A study of the personal values of Korean college student activists and non-activists and their perceptions of values of Korean government leaders.

1977 - Doctors

737. Godwin, Karen Sato. Systems theory for minority students: a potential tool for the improvement of academic performance.

COLLEGE STUDENT SERVICES ADMINISTRATION

(includes: college unions, student activities administration, residence halls administration and activities, financial aid administration, student government)

1971 - 1974 - Masters

none

1975 - Masters

738. Morton, David Len. Residential peer pressure on male freshmen to participate in organized intramural sports at Oregon State University.

1976 - Masters

none

1977 - Masters

739. Abbott, Kaye Glenda. Value differences in university living groups.

1971 - Doctors

740. Gassert, Leland Calvin. A comparative study of the perceptions of the university environment of candidates for student government positions and other students and the effects of the election experience upon those perceptions.
741. Kane, John Galvin. A comparative study of academic success and other selected characteristics of financial aid and non-financial aid recipients at Winona State College.
742. Sanderson, Donald Ray. A comparison of selected characteristics of the university as perceived by male and female elected student residence hall leaders and non-leader residence hall students.

743. Underwood, Arthur Grant. A longitudinal study of selected changes in the perception of the university environment as held by students who participate in two forms of university governance.
744. Wangen, William Ross. A comparison between the attitudes of male residence hall students and student leaders toward specified acts of student behavior.

1972 - Doctors

745. Miller, Robert Allen. A comparison of changes in the perception of the university environment by freshmen students who reside in co-educational and in single-sex residence hall.

1973 - Doctors

746. Fields, Charles Robards. The influence of aid awards on the educational decisions of applicants for freshmen year financial aid at Oregon State University.

1974 - Doctors

none

1975 - Doctors

747. Niblack, Mason L. Comparisons among students, parents, and faculty regarding perceptions of philosophical positions for student personnel services.
748. Stanaway, Timothy John. A study of the frequency of utilization of the Oregon State University health services in relation to selected characteristics of students.

1976 - Doctors

749. Frichette, Steven Roger. Factors associated with the social climate of single-sex and coeducational residence halls, cooperatives, fraternities, and sororities, on the Oregon State University campus.
750. Hayden, James Reynolds. A comparison of junior and senior high school student attitudes with faculty attitudes toward purposes, functions and responsibilities of the student council.

1977 - Doctors

751. Campbell, Roger Gray. Attitudes of selected undergraduate students at Oregon State University toward the professional status of student personnel workers.
752. Maples, Mary Finn. Relationships between work values and job satisfaction among college student personnel workers.
753. Snodgrass, G. William. A comparison of perceptions of campus environments and of student services functions with institutional vitality in private colleges.

■ COMMUNICATIONS ENGINEERING

SEE Electrical and Computer Engineering Department

■ COMMUNITY COLLEGE EDUCATION

SEE Adult, Community College, and Community Education

COMMUNITY COLLEGE EDUCATION (cont.)

SEE Business and Distributive Education
Industrial and Technical Education
Vocational Education

COMPUTER SCIENCE DEPARTMENT

SEE ALSO Electrical and Computer Engineering Department
Mathematics Department

1971 - 1972 - Masters

none

1973 - Masters

754. Hubble, Larry Robert. COMLOT: COMbined LOT drivers for Tektronix graphic terminals, Calcomp and Hewlett Packard plotters.
755. Schmidt, Dietger Reinhardt. Training and pattern recognition in layered automata.

1974 - Masters

756. Hitchcock, Paula Ann. A block method approach to solving the Laplace equation on a parallel computer.
757. Rucker, Jimmy Ivan. A compiler-compiler for the CDC 3300.

1975 - Masters

758. Holt, John Douglas. The design of fault detection experiments for sequential machines using homogeneous distinguishing sequences.

1976 - Masters

759. Elliott, Jimmie Lynn. Computer performance and evaluation utilizing the resource planning and management system.
760. Nelson, Jr., Cecil L. A software package for an intelligent graphic display terminal.
761. Vomcil, David Leo. A generalization of tree automata and its relation to matrix grammars.

1977 - Masters

762. Colby, Jonathan Axford. The FLEX/REFLEX paradigm and its application to computer program systems.
763. Harney, Donald William. An implementation a parallel processing package in LISP.
764. Winter, Lynn Taylor. Computer techniques yielding automatic and rigorous solutions to linear and nonlinear integral equations.

1971 - 1974 - Doctors

none

1975 - Doctors

765. Dum, Stephen Anthony. A fast division algorithm.
766. Fellingner, William Lowell. Specification for a fuzzy system modeling language.
767. Osborne, Martin. A modification of Veto logic for a committee of threshold logic units and the use of 2-class classifiers for function estimation.

1976 - 1977 - Doctors

none

■ COUNSELING & GUIDANCE

(includes: student self-concept, self-actualization, self-realization, educational psychology; personnel services in higher education)

SEE ALSO College & University Teaching & Administration
Family Life Department (Fordyce, Wendy Kyle. #1078)

1971 - 1977 - Masters

none

1971 - Doctors

768. Clausen, Robert David. The effects of group counseling on selected attitudes of economically disadvantaged high school age youth in a residential setting.
769. Erickson, Joan Elizabeth. An evaluation of the effectiveness of guidance assistants in selected school guidance programs in Oregon.
770. Shirts, Elmo Bryant. Effects of the self-consistency principle of behavior change and the retroflexive reformation process of group counseling on the academic achievement and behavior of selected high school students.
771. Standish, John Thomas. The use of tape-recordings to train counselors in the use of specific verbal communication skills.

1972 - Doctors

772. Morgan, Claude DeVere. A survey of Oregon elementary school counselors: educational preparation and responsibilities.
773. Ogard Jr., Ernest Maynard. The relationship between self concept and school attendance.
774. Shoemaker, William Files. Changes in measured self-actualization as influenced by a group counseling procedure.
775. Wills, Byron Steiner. The identification of variables discriminating between groups differing in level of self-actualization through the use of multiple discriminant analysis.

1973 - Doctors

776. Benjamin, Elizabeth Follette. An investigation of the self concept of Alaskan Eskimo adolescents in four different secondary school environments.
777. Jones, Homer William. An investigation of the effects of feedback on variability and central tendency of group opinion while employing the Delphi technique.
778. Mitzel, William John. The role and function of the counselor as seen by selected counselor educators, counselors, principals and counselor trainees in the state of Oregon.

779. Penn, John Roger. Values and attitudes as measures of intergenerational differences.
780. Phillips, John MacKenzie. A study of a counseling practicum in facilitating the self-actualizing process.
781. Schroeder, Charles Clayton. An analysis of the impact of residential setting on the development of selected dimensions of self-actualization.

1974 - Doctors

782. Copeland, Elaine Johnson. Peer counselor effect on the self concept and academic adjustment of educational opportunity students who participated in group counseling.
783. Lindley, Raymond Earl. Expectations of standard normed, basic normed and non-normed counselors in Oregon's secondary schools concerning counselor tasks.
784. Nystul, Michael Scott. The effects of birth order and sex on self-concept.
785. Wiley, Robert Charles. Self actualization of students participating in the junior block teacher education program at Oregon State University.

1975 - Doctors

786. Crafts, Gretchen. The effect of group counseling on self-concept and reading improvement of selected community college students.
787. Erekson, Charles Franklin. The influence of background, peers, and faculty on the development of autonomy in college freshmen.
788. Flora, Thomas George. Attitude toward parents as a dimension of reverse transfer.
789. Flora, Rosalind Reed. The effect of parent and adolescent self concept upon adolescent's perceived communication with parents.
790. Meyer, Sheldon Lee. A study of the effects of pre-retirement workshop on the measured level of self-actualization of university civil service employees.
791. Moore III, James Edward. The relationship between self-actualization and leisure attitudes.
792. Phillips, Shirley Dickison. Self/ideal value congruence and its relationship to self-actualization and counseling effectiveness among selected counselor trainees.
793. Westrum, Helen J. Self concepts of gainfully employed women in two colleges in Washington State.

1976 - Doctors

794. Jones, Janet Lynn. Perceptions of OPGA-OSCA services and activities by members who are Oregon public school counselors.
795. Roberts, Charles Varner. An investigation of the effect of a college group laboratory experience in measured levels of self actualization and interpersonal compatibility.

1977 - Doctors

796. Beller, Stephen Mark. An investigation into the possible arousal of psychological reactance as a consequence of interest inventory feedback.

797. Edberg, Patricia Tanner. The development of masculine sex role stereotypes: sex differences in verbal interruptive behavior between first grade students and male and female teachers.
798. Millikin, Norman Leo. Self concept: a comparison of four groups of university students.
799. Sisson, Carol F. The effectiveness of Cognitive-Behavioral Assertion Training procedures on the self-concept of college undergraduates.
800. Trotzky, Arthur Seth. An investigation to determine the existence of sex bias in counselor-trainee responses to a video-based simulation.
801. Welle, J. Janice. The concept of the helping relationship in school counseling: a philosophical analysis.
802. Willis, JoAnn. Trained peer counselor effect on the personal growth of freshman students at a private, Liberal Arts college.

■ CROP SCIENCE DEPARTMENT

SEE ALSO Botany and Plant Pathology Department
Soils Department

1971 - Masters

803. Abu-Irmaileh, Barakat Eid Ahmad. Time effect of wild oat removal on winter wheat yield.
804. Bresciani, Juan Carlos. The examination of seed yield potential in certain genotypes of birdsfoot trefoil (Lotus corniculatus L.).
805. Kim, Dal Ung. An evaluation of creeping habit in various progenies of red fescue (Festuca rubra L.).
806. Kirkland, Kenneth. Effect of two methyl-carbamates on the toxicity of isopropyl m-chlorocarbamate (chlorpropham) to safflower (Carthamus tinctorius L.) and common buckwheat (Fagopyrum esculentum Moench.).
807. Locatelli, Eduardo Atilio. The effects of atrazine on growth of flax (Linum usitatissimum L.) plants and on yield, chemical composition and germination of flax seeds.
808. Plaza, Cesar Alejandro. Some principles and guidelines for the establishment of an agricultural experiment station.
809. Pollak, Tomas. The effect of 2,4'-dinitro-4-trifluoromethyl-diphenylether (C-6989) on beans (Phaseolus vulgaris L.) under certain soil and light conditions.
810. Radosevich, Steven Robert. Foliage applications of terbacil to peppermint (Mentha piperita) and several weed species.
811. Samphantharak, Krisda. The influence of variety, plant population and planting date on corn silage production.

1972 - Masters

812. Aldridge, Jack Clifton. Factors affecting selective control of wild oat and downy brome in wheat by trifluralin.
813. Daaloul, Abderrazak. Evaluation of early generation testing in a diallel cross

involving four winter wheat cultivars (Triticum aestivum Vill., host).

814. Haight, John Colson. Presoaking and drying treatments to improve the performance of orchardgrass and bluegrass seed.
815. Lopez, Arturo. Effect of seed protein content on plant growth of barley and wheat.
816. Olson, Phillip David Leroy. Interaction of cycloate with postemergence herbicides on sugarbeets and weeds.
817. Romero, M. Carlos Eduardo. Activated carbon for improving diuron selectivity in beans.

1973 - Masters

818. Bayraktar, Ali. Inheritance of plant height in barley (Hordeum vulgare L. Emed. LAM.).
819. Brewster, Bill Densmore. The control of colonial bentgrass (Agrostis tenuis Sibth.) with N-(phosphonomethyl) glycine.
820. Burrill, Larry Clyde. Influence of weed density on efficacy of two soil-applied herbicides.
821. Chemli, Mohamed. Effect of row spacings, seeding rates and nitrogen fertilizer rates on the agronomic performance of Yamhill and Hyslop wheat (Triticum aestivum L.).
822. Colbert, Donald Robert. Factors influencing wild oat control with N-benzoyl-N-(3,4-dichlorophenyl)alanine (SD 30053).
823. Johnson, Blaine Earl. Heterosis and inbreeding in the progeny of genetically diverse parental clones of Festuca arundinacea Schreb.
824. Mulanax, Matthew William. The effect of defoliation and nitrogen application on the seed yield of Linn perennial ryegrass (Lolium perenne L.) and Merion Kentucky bluegrass (Poa pratensis L.).
825. Onul, Taylan. Stimulation of bluegrass seed germination by soaking and drying treatments.
826. Solen, Polat. Heritability estimates and associations for protein content and grain yield involving four winter wheat crosses (Triticum aestivum Vill., Host).

1974 - Masters

827. Danielson, H. Rodger. Germination, field emergence and storage of noble fir (Abies procera Rehd.) seed.
828. Garay, Adriel E. Physical characteristics of crownvetch (Coronilla varia L.) seeds associated with viability and hardseededness.
829. Stanwood, Phillip Charles. Influence of post-harvest management practices on plant growth and seed yield of cool season grasses.

1975 - Masters

830. Costa, Jaime. Comparisons of morphology and susceptibility to herbicides of two yellow nutsedge (Cyperus esculentus L.) varieties.

831. De Barros, Manoel Bernardo. Identification of species and varieties of ryegrass (Lolium spp.).
832. Gabela, Francisco Jose A. Biology of mud-plantain (Heteranthera reniformis Ruiz et Pavon) and its control in flooded rice.
833. Güler, Mengü. Yield and other agronomic characters of winter wheat cultivars as affected by five seeding rates and three different environmental conditions.
834. Indelen, Erdogan. Performance of five winter wheat cultivars when grown in composite and pure stand populations under different environmental stresses.
835. Olson, David Lloyd. The soil persistence and crop selectivity of 3, 6-dichloro-picolinic acid.

1976 - Masters

836. Ayres, Thomas Arthur. Yield, quality characteristics, and composition of Limnanthes alba seed as affected by rate, source, and date of nitrogen application.
837. Durutan, Nedret. Effect of timing and rate of metribuzin on wheat and barley cultivars and on Italian ryegrass.
838. Harris, James Otwell. The agronomic, environmental, and economic implications of the introduction of terbacil for weed control in Oregon commercial peppermint operations.
839. Herron, Gordon Richard. Influence of grazing and nitrogen fertilization on winter growth, seed and straw production of Lolium multiflorum Lam.
840. Ivackovich, Branislav D. The herbicide HOE 23408; soil persistence, spring wheat cultivar tolerance, and interaction with broadleaf herbicides.
841. Majek, Bradley Alan. Asulam in western Oregon pastures: broadleaf dock control and tolerance of important grass and legume species.
842. Pehlivan Türk, Alpaslan. Effect of soil temperature, seeding date, and straw mulch on plant development and grain yield of two winter wheat and two winter barley cultivars.
843. Tezel, Cengiz. Competitive effects and control of weeds in winter wheat on the Anatolian Plateau, Turkey.

1977 - Masters

844. Aktan, Selman. Nitrate nitrogen accumulation and distribution in the soil profile during a fallow grain rotation as influenced by different levels of soil profile moisture.
845. Fino, Antonio Carlos. Physiological and biochemical characteristics of two cultivars of tall fescue (Festuca arundinacea Schreb.) under different environmental conditions.
846. Yakar, Kamil. Association and inheritance of earliness and winterhardiness in four winter x spring wheat crosses (Triticum aestivum Vill., Host).

1971 - Doctors

847. Akhavein, Ali Asghar. Effects of 2-chloro-ethylphosphonic acid (Ethrel) and selected environmental factors on growth of quackgrass (Agropyron repens L.(Beauv.)) and field bindweed (Convolvulus arvensis L.).
848. Akobundu, Ishmael Okezie. Effect of chlorpropham on vegetative and reproductive development in chewings fescue (Festuca rubra L. subsp. commutata Gaud.).
849. Charoenwatana, Terd. Evaluation of three methods of selection in relation to yield and yield stability in winter wheat (Triticum aestivum Vill., Host).
850. Comes, Richard Durward. The biology and control of reed canarygrass (Phalaris arundinacea L.) on irrigation ditchbanks.
851. Force, Donald Wallace. Factors affecting underdeveloped and empty fruits of mono-germ sugarbeets (Beta vulgaris L.).
852. Gibeault, Victor Andrew. Perenniality in Poa annua L.
853. Groenwold, Bareld Egge. Mechanisms of uptake and some factors influencing the toxicity of 2-chloro-2',6'-diethyl-N-(Methoxymethyl) acetanilide (alachlor) for selected plant species.
854. Güneyli, Ercan. Factors affecting the action of 1,8 naphthalic anhydride in corn treated with s-ethyl dipropylthiocarbamate (EPTC).
855. Lopez, Hernan. Chemical and physical factors in the kinetics of herbicide penetration into plants.
856. Mackenzie, John William. Chemical control of Elodea densa Planch. and other submersed aquatic plants as influenced by several environmental factors.
857. Moutray Jr., Jim B. An examination of seedling vigor and the effects of genetic diversity of response to heterosis in tall fescue (Festuca arundinacea Schreb.).
858. Wiesner, Loren Elwood. Temperature preconditioning of ryegrass (Lolium sp.) seed dormancy.

1972 - Doctors

859. Colbert, Floyd Oral. Sorption and phytotoxicity of triazine herbicides in neutral and calcareous soils.
860. Fine Richard Ray. How Oregon farmers select and use herbicides on wheat.
861. Stanger Jr., Charles Earl. A proposed mechanism for diuron-induced phytotoxicity.

1973 - Doctors

862. Boyce, Kevin Gilbert. Seed dormancy in tall fescue (Festuca arundinacea Shreb.); acquisition, effect on metabolic processes and relief by temperature and growth regulators.
863. Callihan, Robert Harold. Physiological and agronomic response of potato periderm russetting to measures for control of common scab.
864. Kim, Dal Ung. Heritability estimates for seed and plant characteristics in white clover (Trifolium repens L.).

865. Kim, Syng Chul. Influence of post-harvest burning, thinning, shading and residue management on the subsequent growth and seed yield of Festuca rubra L.
866. Kirkland, Kenneth. Reduction in atrazine toxicity to winter wheat by the growth retardant CCC.
867. Radosevich, Steven Robert. Differential sensitivity of two common groundsel biotypes (Senecio vulgaris L.) to several s-triazine herbicides.

1974 - Doctors

868. Alcala de Stefano, Maximino. Evaluation of parental performance for grain yield in two populations of wheat (Triticum aestivum Vill., Host).
869. Barzee, Milton Arlo. Physiological and biochemical factors related to the differential toxicity of 3, 5-dibromo-4-hydroxybenzonitrile in winter wheat (Triticum aestivum L.) and coast fiddleneck (Amsinckia intermedia Fisch & Mey).
870. Daaloul, Abderrazak. Genetic and environmental factors influencing the effectiveness of early generation selection in a diallel cross involving four winter wheat cultivars (Triticum aestivum Vill., host).
871. Keim, Don Lee. Adaptability of winter wheat cultivars to dryland conditions and their response to water stress.
872. Samphantharak, Krisda. Nitrate reductase activity and inheritance of grain protein in six barley cultivars (Hordeum vulgare L. and Hordeum distichum).
873. Subhani, Thiravira. The heritability of agronomic characteristics in tall fescue (Festuca arundinacea Schreb.).

1975 - Doctors

874. Garay, Adriel Edgardo. Effect of nitrogen fertilization of wheat (Triticum spp.) on chemical and biochemical composition and performance of seeds.
875. Maya de Leon, Jose Luis. Combining ability and associations of agronomic traits involving three sources of dwarfism in wheat (Triticum aestivum, L. em Thell).
876. Paller Jr., Enrique C. The effects of N-1-Naphthylphthalamic acid on growth of yellow nutsedge and its control with N-Phosphonomethyl glycine.
877. Phillips, John Charles. Effects of plant regulators on growth, development, and seed production of alfalfa.
878. Roberts, Donald Day. Genetic variability and association between agronomic and quality characteristics in twenty-nine female genotypes of Humulus lupulus L.
879. Somabhi, Montien. Interaction between glyphosate and certain s-triazine herbicides.
880. Stanwood, Phillip Charles. Relationships between net carbon exchange and associated environmental and physiological factors in soft white winter wheat (Triticum aestivum L.).

1976 - Doctors

881. Ebeltoft, David Charles. Utilization of the

night-interruption phenomenon to hasten the seed increase of long-day cereals during short-day regimes in California and Arizona.

882. Fechtig, Allen David. The effect of 2,4-D on the respiration rate and ethylene production of Bartlett pears and Red Delicious apples.
883. Harper, Delbert Ray. Asulam for tansy ragwort control in alfalfa: field efficacy and selectivity factors.
884. Hile, Mahlon Malcom Schallig. Physiology, quality, and agronomic performance of snap beans (Phaseolus vulgaris L.) and spring wheat (Triticum aestivum L.) as affected by environment and several plant growth regulators.
885. Suttner, Donald Lee. Alfalfa cutting management in the Columbia Basin.

1977 - Doctors

886. Abi-Antoun, Michel. Compensating effects and gene action estimates for the components of grain yield in winter wheat (Triticum aestivum, L. em Thell).
887. Lopez-Benitez, Alfonso. Influence of aluminum toxicity in intergeneric crosses of wheat and rye.
888. Martinez-Racines, Cesar P. Aluminum toxicity studies in rice (Oryza sativa L.).
889. Vahabian, Mohammad Ali. Factors associated with stand establishment and subsequent grain yield of seven wheat cultivars and selected progeny (Triticum aestivum, L. em Thell) when grown under three diverse environments.
890. Watson Jr., Clarence Ellis. Heritability for perloline, nitrogen, and digestibility characteristics in tall fescue (Festuca arundinacea, Schreb.) single-crosses grown in two locations.
891. Woodward, William Timothy Wright. Meiotic irregularities in selected parents and their hybrids in tall fescue (Festuca arundinacea, Schreb.).

■ DAIRY PRODUCTION AND ANIMAL HUSBANDRY
SEE Animal Science Department

■ DRUG ANALYSIS
SEE Pharmaceutical Chemistry

■ EDUCATION, SCHOOL OF
SEE Adult, Community College and Community Education
Agricultural Education
Business and Distributive Education
College, University Teaching and Administration
College Student Services Administration
Counseling and Guidance
Elementary and Secondary Education
Health Education
Home Economics Education
Industrial and Technical Education
Physical Education
Reading Education
Recreation Education
Science Education
Vocational Education

■ ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT
(includes: electrical and electronics
engineering)

1971 - Masters

892. Bhaskar, Eldurkar Vamanrao. Acoustic surface wave delay device.
893. Carman, George Michael. Digital translation of speech formant frequencies.
894. Crane Jr., Albert Sears. The high frequency performance of a Schottky diode detector.
895. Heuch, Knut. Real time predictive control of generating system using hybrid computer and a fast time adaptive model.
896. Hwang, Yun-sheng. Vacuum-deposited aluminum-oxide MOS transistors.
897. Kolar, Michael John. An underwater acoustic imaging system.
898. Laoteppitaks, Chansak. Design of high speed paper tape reader interface for PDP-8/L Computer system.
899. Miranda, Frederick William. System identification by spectral analysis using closed-loop process data.
900. Nehrir, Mohammad Hashem. Real-time predictive voltage control of a direct-current generating system, using a hybrid computer.
901. Parhami, Behrooz. Stochastic automata and the problems of reliability in sequential machines.
902. Pongparit, Vithoon. On the rational approximations to the ideal delay function and their time-domain optimization.
903. Wang, Kai-yuan. Vacuum deposition of silicon monoxide see-through masks.

1972 - Masters

904. Araghi, Mehdi Najm. An integrated MOS voltage-controlled low frequency oscillator.
905. Bejraputra, Kriengkorn. A design of a multi-compensated 230 kv 360 mile interconnection between central and southern Thailand.
906. Charnholm, William Harold. Design and evaluation of an adaptive element which compensates for deadband as applied to a guidance system.
907. Chuang, Tsu-ping Patrick. Satellite multiplication package for a small digital computer.
908. Dearborn, Barry Claude. Parameter sensitivity algorithm for a digitally-modelled direct current excitation system.
909. Duwaik, Omar Ahmad. Cellular logic multiplication.
910. Evans, Donald LeRoy. Direct digital speed control system for a DC motor using a mini-computer.
911. Hotrabhavananda, Kajornsak. Transmission line tower location by digital computer methods using a parabolic approximation.
912. Kim, Sung-yong. Influence of surface fields on shallow planar-junction breakdown voltages.
913. Lai, Cheng-wen. Microstrips on gold-doped silicon substrates.
914. McCormick Jr., Raynard Edward. A comparison of digital differential analyzer integration techniques.

915. Melo, Ajax Barros de. Studies on attitude control of small payloads of sounding rockets.
916. Riese, Keith Alfred. Control of interconnection-limited sequential machines.
917. Saiyed, Waqar Hassan. Planning a renovation of the underground distribution system for the city of Mecca in Saudi Arabia.
918. Srirath, Somchai. Optimization of RC-active time delay networks.
919. Swarts, Robert Leroy. Covariance function of the acoustic backscatter from a school of fish.
920. Thinh, Nguyen Hoang. Calculation of axial mode separation of a semiconductor laser from reflectance spectrum.
921. Thurein, Ingo Paul. Automatic time correction for interconnected power system operation.

1973 - Masters

922. Ayres, William Alan. Interfacing a fluorescence anisotropy spectrophotometer to a PDP-8/E computer.
923. Calligan, Christopher Cram. A parametric analysis of the capabilities of undersea acoustic imaging.
924. Dills, Gerald Frederick. Hall-effect devices for instructional use.
925. Leung, Danny Chor-sing. A study of resistance modulation by carrier injection.
926. Limvorapun, Thawee. The MOS tetrode transistor.
927. Loa, Vicente Dy. Logical design of a small digital computer using ROM in the arithmetic unit.
928. Lun, Kei-leung Albert. System design of a hardware Fortran compiler.
929. Meesajjee, Chulit. The evaluation of data file access methods for an on-line information system.
930. Nakagawa, Takemi. Study on p-n junction gallium arsenide avalanche photodiodes.
931. Shah, Champaklal C. An interface of a magnetic disc for a PDP-8/L computer system.
932. Sun, Keong-Wah. Comparison of rounding errors, CPU time and memory requirements of eleven integration formulas.
933. Yamamoto, Richard Shuji. Numerical calculation of optical resonator losses.
934. Yu, Ting Kwong. The equivalence of regular expressions.

1974 - Masters

935. Barrows, Charles Ray. Measurement of noise on video signals.
936. Birch, Kenneth Norman. A computer controlled robot analyzer for in situ water quality monitoring.
937. Chanakorn, Chavalit. Theoretical influence of untransposed transmission line construction on system losses and voltage balance.
938. Clark, Ronald Clifford. Development and application of a model for stochastic systems.
939. Eghbali, Hassan J. The identification of Dungeness crab from the power spectral density function of their acoustic signature.

940. Ramchandani, Hiranand Balchand. Digital model of a synchronous generator excitation system.

1975 - Masters

941. David, Frank Kolar. Analysis and synthesis of exponentially tapered, nonuniform transmission line impedance transformers.
942. Lo, Sui-sang. Radiation losses in microstrip circuits.
943. Soong, Wilson. Application of microstrip transmission line to high speed digital data bus.

1976 - Masters

944. Aghdasi, Farhad. The design of an interface between IEEE standard bus and unibus-CPI100/GPIB interface.
945. Baheti, Padma R. REGTRAN and MICRO, the implementation of two digital system simulators.
946. Brisbine, Glen Edward. Instrumentation system for high speed data sampling of electrical machinery.

1977 - Masters

947. Badr, Ahmad Mohamad Amin. Industrial power system faults.
948. Fryklund, James. Hierarchical digital communication processing in a multi-access telecommunication environment.
949. Haskins, Raymond A. Analysis and simulation of a variable speed induction motor.
950. Kazmi, Saeed Akhtar. Integrated injection logic alarm system.
951. Miller, Michael Robert. Computer analysis of a class of acoustic signals.
952. Szulewski, Paul A. A schemata model of real-time information processing systems.

1971 - Doctors

953. Leffler, Fred R. On the polyparametric sensitivity of Park's equations by computer simulation methods.
954. Maraqa, Abdel Muti. Digital simulation of a self-excited cumulative compound direct-current generator with variable load.
955. Nandi, Arabinda Kumar. Characterization and optimization of output-controllable systems.

1972 - Doctors

956. Chou, Pen Chao. A MOS-transistor with submicron, and graded channel.
957. Frank, Rudolph Joseph. A feasibility study on the use of arithmetic-memory registers in the design of digital computer systems.
958. Getgen, Lawrence E. The use of resonant transfer for combined switching and multiplexing.
959. Warne, Donald Edward. Characterization of the radiation of an exploding wire by analysis of the radiant spectrum.

1973 - Doctors

960. Cross, Carlton Edward. Analysis of postural

dynamics in the dog.

961. Shimoda, Raynor Yoichi. Investigation of electric field-induced optical absorption changed in CdS.
962. Tao, David Ming-Shih. A complementary MOS random-access-memory cell with double-diffused MOS transistors.

1974 - Doctors

963. Fasang, Patrick Pad. Design of a mini-computer controlled digital integrated circuit tester.
964. Johnson, Norman Leland. An erasable MOS read-only memory.

1975 - Doctors

965. Calligan, Christopher Cram. A computer simulation model of land use dynamics in the State of Oregon.
966. Herr, Alan Jack. Pattern recognition of speech using hybrid computer feature extraction.
967. Meesajjee, Chulit. Preliminary design of the RTAF command and control two-level parallel computing system.
968. Sun, Keong-Wah Gary. A dynamic model of exchange rate in relation to international trading.
969. Vithayathil, Francis Joseph. Hybrid computer simulation of wind-driven ocean currents.

1976 - Doctors

970. Bichara, Kamal Fouad. Liquid crystal thermography: a new system for breast cancer detection.
971. Chong, Hoi-yeung. Information processing errors in linear feedback control systems.
972. Eghbali, Hassan. Digital techniques for change detection from remotely sensed data (Landsat-imagery).
973. Lee, Myung Hun. Statistics of speckle propagation through the turbulent atmosphere.
974. Schaffer Jr., Alvin. The use of electromagnetic Walsh waves in radar.

1977 - Doctors

975. Baheti, Radhakisan Sohanlal. Parameter and volterra-kernel estimation of bilinear systems.

■ ELECTRICAL AND ELECTRONICS ENGINEERING
SEE Computer Science Department
Electrical and Computer Engineering Department

■ ELECTRONICS
SEE Electrical and Computer Engineering Department

■ ENGINEERING PHYSICS
(an undergraduate program only)

SEE Physics Department (for graduate work)

■ ELEMENTARY & SECONDARY EDUCATION

(included: media education, teacher competencies, teaching at elementary and secondary school levels)

1971 - 1977 - Masters

none

1971 - Doctors

976. Bates, Opal Elaine. The correlation of children's perception of locus of control to originality in selected groups of sixth grade children.
977. Ruhl, Anthony Joseph. The compared perceptions of a senior high school by teachers and students as measured by the Stern High School Characteristics Index.
978. Farrell, Bernard Joseph. A survey and analysis of the attitudes of non-negro parents in selected Portland elementary schools.
979. Garcia, Peter Anthony. Differences between expectations of performance in beginning first graders and actual performance.
980. Tait, George James. A description of the processes and procedures used in the development of a merit-evaluation program for a middle-sized school district.

1972 - Doctors

981. Coon, George Laus. An assessment of the change in the learning environment as perceived by junior high students whose teachers are participating in a field-centered teacher-education program.
982. Eberhardt, Clifford Erie. Cognitive dissonance and voter behavior toward school budgets.
983. Gardner, Richard Earl. The common professional education competencies of junior high school teachers.
984. Ishisaka, Howard Sadanobu. The status of family life/sex education in the public high schools of Oregon.
985. Mellbye, Clarence Kenneth. Effectiveness of title III, ESEA in selected schools of the Oregon Small Schools Program July 1, 1966 to June 30, 1970.
986. Pike, John Michaels. A comparison of the effects between letter-grades and pass-fail grades on the attitudes and achievement of eleventh grade United States history students.
987. Ross, William Charles. Comparison of teacher performance under three conditions of training in classroom interaction.
988. Walker, Thomas Jerry. An analysis of certain effects of teaching students to construct and analyze questions.

1973 - Doctors

989. Braden, Gary Edgar. Relationships of self-directive group play, self-concept and social behavior in first grade children.
990. Buck, James Edward. Public school classroom activities of sophomore block students.

991. Holloway, Richard Eugene. A study of the career education competencies considered needed by elementary and junior high school teachers in selected schools in Oregon.
992. Johnson, Russell Howard. The effects of four modified elements of a classroom's physical environment on the social-psychological environment of a class.
993. Lewis, William Eugene. Effects of rate and accuracy of test responses, removal of test time-limits and teacher expectancies on achievement test scores of disadvantaged third grade students in Denver.
994. Martin III, Clifford Leslie. The relationship between the human development program and locus of control as measured by the intellectual achievement responsibility questionnaire using selected fourth grade students.
995. O'Brien, Shirley Joanne. The effect of television instruction on problem solving attitudes of fifth and sixth grade students.
996. Perkins, Charlotte Jeanne. A study of perceptual correlates to role-taking ability with fourth through sixth grade children.
997. Shaw, Robert Einer. Changes in self-concept pertaining to selected teacher competencies of prospective teachers.
998. Wall, Mary Jane. The effectiveness of therapeutic self-directive play in self-concept of educationally handicapped children in Saratoga, California elementary schools.
999. Young, Loy Wayne. An analysis of the comparative effectiveness of programmed multimedia teaching and traditional teaching of drug information to junior high school students.

1974 - Doctors

1000. Orzech, Miriam Weitz. Attitudes of high school students toward three selected ethnic groups as affected by participation in an ethnic studies program.

1975 - Doctors

1001. Ayers, Lawrence W. The effects of a summer institute for cultural awareness on the measured level of self-actualization of experienced teachers.
1002. Bhella, Surjit Kaur. An investigation of the relationship between administrator leadership style and teacher morale.
1003. Brisson, Thomas Euclid. A longitudinal follow-up study of high school graduates and their evaluation of a curriculum and guidance program.
1004. Levenspiel, Mary Josephine. A study of the relationships between selected perceptual-motor behaviors and: achievement in reading; achievement in mathematics; classroom behavior; academic self-concept; and academic motivation for first and third grade boys and girls.
1005. Snyder, Geraldine Virginia. Oregon State University fourth cycle urban/rural-migrant teacher corps program (1969-71): descriptive analysis and follow-up.

1006. Withycombe, Richard John. An analysis of attitude change occurring among intern teachers during their internship year in the Portland urban teacher education program.

1976 - Doctors

1007. Anderson, John Edward. Comparison of an instructional management system with a traditional teacher/learner mode.
1008. Latham, Thoyd O. A comparative study of instructional goals and objectives for selected secondary cooperative work experience programs.
1009. Ling, Marcelene Smith. A study of classroom behaviors contrasting the behavior of children with auditory and visual screening ability with the behavior of children with poor screening ability in grades one through six.
1010. Sturm, Dieter Werner Fritz. The relationship of student teachers' work environment preference to verbal classroom behavior.
1011. Weinhouse, Donald S. The effects of auditory metronomic rates on addition performance of second-graders in Lindsay, California.

1977 - Doctors

1012. Clukey, Darrell Frank. Comparing the performance between high school students with esteem needs and those with security needs in solving a problem through insight in a verbal learning situation.
1013. Crawford, Dennis Lee. Differential cultural awareness: developing an instrument for testing the cultural awareness of teachers.
1014. Pruitt, Janet Louise McCracken. The readability of selected fourth, fifth and sixth grade social studies textbooks as determined by the Fry Readability Graph and group informal reading inventories.

■ ENGINEERING, SCHOOL OF

SEE Agricultural Engineering Department
Chemical Engineering Department
Civil Engineering Department
Electrical and Computer Engineering Department
Industrial and General Engineering Systems Department
Mechanical Engineering Department
Nuclear Engineering Department
Ocean Engineering

■ ENTOMOLOGY DEPARTMENT

1971 - Masters

1015. Tao, Lucia Chia-yao. The Nearctic leafhoppers of the Sorhoanus complex (Homoptera: Cicadellidae).
1016. Tew, Michael Peter. The species composition and adaptations of insects in an intermittent stream in western Oregon.
1017. Yensen, Arthur Eric. A revision of the North American species of Pacopus Leconte and Trixagus Kugelann (Coleoptera: Throscidae).

1972 - Masters

1018. Sawbridge, Jane Rosamund. The leafhopper genus Giprus (Homoptera: Cicadellidae).

1973 - Masters

1019. Brown, Robert David. Photoperiodic control of development in the leafhopper, Agalliopsis abietaria Oman.
1020. Carlson, David Craig. Taxonomic characters of the genus Ochodaeus Serville with descriptions of two new species in the O. pectoralis LeConte species complex (Coleoptera: Scarabaeidae).
1021. Isaacson, Dennis Lee. Population dynamics of the Cinnabar moth, Tyria jacobaeae (Lepidoptera: Arctiidae).
1022. Reeve, Daniel Hart. The response of scutigerella immaculata to naturally occurring chemical stimuli.
1023. Simagrai, Montri. Mechanisms of resistance in broccoli, Brassica oleracea italica to the garden symphytan, Scutigerella immaculata (Newport).
1024. Yeh, Fu-meei. Ribosomes and protein synthesis in the fat body of Leucophaea maderae (Fab.).

1974 - Masters

1025. Grafius, Edward John. The conversion of allochthonous material by stream detritivores.
1026. Mikesell, Janet May Smith. Biological studies of Eriosoma pyricola with particular emphasis on morph production.
1027. Todd, James Gordon. Labops hesperius Uhler: biology and impact of Oregon rangelands (Hemiptera: Miridae).
1028. Vargas, Timothy Carl. Oil sprays to prevent the spread of bean yellow mosaic virus (BYMV) by aphids.
1029. Warner, Roderick Ward. The diel activity cycle of the adult alfalfa weevil, Hypera postica (Guill.), in Oregon.
1030. Wold, Janet Lee. Systematics of the genus Rhyacophila (Trichoptera: Rhyacophilidae) in western North America with special reference to the immature stages.

1975 - Masters

1031. Fuxa, James Roderick. Biological attributes and alteration of the habitat to manipulate populations of Labops hesperius Uhler (Heteroptera: Miridae).

1976 - Masters

1032. Akwatanakul, Pongthep. Biology and systematics of bee mites of the family Varroidae (Acarina: Mesostigmata).
1033. Emenegger, Donald Brian. Biology and population regulation of the strawberry root weevil, Otiorhynchus ovatus (L.) (Coleoptera: Curculionidae).
1034. Klein, Terry Allen. Taxonomy and distribution of the leaf-hopper genus Aphrodes Curtis (Homoptera: Cicadellidae) in North America.

1035. Robbins, Richard George. A quantitative survey of the fleas associated with the gray-tailed vole, Microtus canicaudus Miller.
1036. Swaby, James Archie. Acoustic and olfactory behavior of Ips pini (Say) (Coleoptera: Scolytidae) during host invasion and colonization.
1037. Turnbow Jr., Robert Harold. Prey consumption, survivorship and oviposition by adults of the bark beetle predator Thanasimus dubius Fabricius (Coleoptera: Cleridae).

1977 - Masters

1038. Danielson, Stephen Dale. Development and evaluation of sequential sampling plans for redbacked cutworm larvae, Euxoa ochrogaster (Guenée) in Oregon peppermint.
1039. Mumtaz, Mohammad Moizuddin. Pheromonal communication in the western cherry fruit fly, with particular reference to oviposition.
1040. Oester, Paul Thomas. Sound production in three sympatric Ips (Coleoptera: Scolytidae) species co-inhabiting Sitka spruce (Picea sitchensis).

1971 - Doctors

1041. Hartman, Margaret Jane. The effects of four anticholinesterase compounds on the embryology of Acheta domesticus (L.) (Orthoptera: Gryllidae).
1042. Leong, Kingston Lin Hoy. A chalcid parasite, Dinarmus acutus Thomson, of the vetch bruchid, Bruchus brachialis Fahraeus.
1043. Schonbrod, Robert D. Biochemical properties of an endogenous inhibitor of house fly (Musca domestica L.) microsomal oxidations.

1972 - Doctors

1044. Allison, James Roger. Biology and behavior of the mite Cheletomorpha lepidopterorum (Shaw) (Prostigmata: Cheyletidae) and its role as a predator of a grain mite Acarus farris (Oud.) (Astigmata: Acaridae).
1045. Cornell Jr., James Fraser. A taxonomic review of the beetle genus Dichelonyx Harris in North America (Scarabaeidae: Melolonthinae).
1046. Evans, Elwin D. A study of the Megaloptera of the Pacific coastal region of the United States.
1047. French, John Richard Joseph. Biological interrelationships between the Ambrosia beetle Xyleborus dispar and its symbiotic fungus Ambrosiella hartigii.
1048. Stock, Mary Wilford. Biological studies on Saldula palustris (Douglas) with emphasis on factors influencing wing pigmentation (Heteroptera: Saldidae).

1973 - Doctors

1049. Easton, Emmett Richard. A study of ticks (Acarina: Ixodidae) and chiggers (Trombiculidae) from two areas in western Oregon.
1050. Howse, Gordon MacDonald. Life table analysis of Douglas-fir beetle (Dendroctonus pseudotsugae Hopk.) populations.
1051. Reissig, William Harvey. The effects of synthetic juvenile hormone on the leafhopper, Draeculacephala crassicornis.
1052. Stoszek, Karel Josef. A contribution to the biology of the Pseudohylesinus nebulosus (LeConte) (Coleoptera: Scolytidae), especially in relation to the moisture stress of its host, Douglas-fir.
1053. Wernz, James George. Observations on the function and structure of the tritosternum of selected mesostigmatid mites.

1974 - Doctors

1054. Gustin, Ralph Donald. Environmental biology of Endria inimica (Say) (Homoptera: Homoptera: Cicadellidae).
1055. Musgrave, Carol Ann. Biological and morphological studies of the Scaphytopius acutus complex (Homoptera: Cicadellidae).
1056. Nebeker, Thomas Evan. Population dynamics of the Douglas-fir cone moth, Barbara colfaciana (Kft.) (Lepidoptera: Olethreutidae).

1975 - Doctors

none

1976 - Doctors

1057. Mathis, Wayne N. A revision of the genus Notiphila Fallen (Diptera: Ephydriidae) from America north of Mexico.
1058. Ryker, Lee Chester. The role of acoustical signals in the communicative behavior of the water scavenger beetles, Tropisternus (Coleoptera: hydrophilidae).
1059. Speir, Jon Allen. The ecology and production dynamics of four black fly species (Diptera: simuliidae) in western Oregon streams.

1977 - Doctors

1060. Carlson, David Craig. Taxonomic revision of Lichnanthe Burmeister with studies on the biology of L. rathvoni (Leconte) (Coleoptera: Scarabaeidae).
1061. Grafius, Edward John. Bioenergetics and strategies of some trichoptera in processing and utilizing allochthonous materials.
1062. Sawbridge, Jane Rosamund. The leafhopper genus Tiaja Oman (Homoptera: Cicadellidae), with a contribution to the biosystematics of the group.

■ EXTENSION EDUCATION

SEE Agricultural Education

■ FAMILY LIFE DEPARTMENT

SEE ALSO Family Resource Management
Department
Home Economics Education

1971 - Masters

1063. Coslet, Florence Roberson. A comparative study of certain aspects of personal adjustment of military dependent and civilian students.
1064. Stephenson, Sherrie Lahti. The relationship between animism and anthropomorphic traits among four- and five-year-old children.

1972 - Masters

1065. Burrows, Ann Louise. Relationship of self concept to behavioral understanding in prospective preschool teachers.
1066. Kidder, Marilyn. Comparison of pre-school-aged children's sex-role preferences related to cultural and parental stereotypes.
1067. Winston, Nancy Josephine. Peer acceptance and interaction of preschool children.

1973 - Masters

1068. Dean, Ailene Deanna. Relationship between the similarity of food preferences among parents and children and parental attitudes.

1974 - Masters

1069. Easton, Linda. The relationship between sibling status and sex-role preference among preschool-aged children.
1070. Melberg, Verne Marjorie. A comparison of the interpersonal behavior and perceived parental behavior of male drug abusers and non-users.

1975 - Masters

1071. Dematteis, Robert James. Self concept as reflected in behavioral understanding and teacher performance.
1072. Frost, Nancy Sanger. Intelligence, creativity and sex-role preference among preschool-aged children.
1073. Jackson, Frieda Ann. The relationship between teacher behavior and understanding of children's behavior.
1074. Schaumburg, Judith C. Relationships between preschool aged children's self-concepts and their parents' attitudes.
1075. Severeide, Rebecca C. Relationship between creativity and independent or autonomous behavior among pre-school-aged children.

1976 - Masters

1076. Spitze, Gail Ann. Selected aspects of contraceptive behavior in sexually

active college students.

1077. Szulewski, Karen Reed. Homogeneity of test items in the film test for understanding behavior.

1977 - Masters

1078. Fordyce, Wendy Kyle. Marriage role expectations of college students.

1971 - Doctors

1079. Hartness, Helen Thun. Analysis of dating decisions made by college freshmen women while random and steady dating.
1080. Sugawara, Alan Iwao. Sex role discrimination and preference in preschool-aged children.

1972 - Doctors

1081. Volenski, Leonard Thomas. Parental attitudes and children's social behavior

1973 - 1974 - Doctors

none

1975 - Doctors

1082. Strong, John Ray. Association between personality characteristics and an orientation to conflict resolution with a general systems interpretation.
1083. Owen, Lois Darling. Father's nurturance as related to social class and authoritarianism.

1976 - Doctors

1084. Edelbrock, Craig. Sex role discrimination, preference, and confirmation in pre-school aged children.

1977 - Doctors

1085. Gentry, Sally A. Sex role stereotypes and children's memory for story content.
1086. Pettygrove, Willa Bowman. A reliability and validity study of a measure of preschool competence.
1087. Schmall, Vicki Flagan. Impact of a human sexuality course on university students' knowledge, attitudes, and acceptability of sexual behaviors.

■ FAMILY RESOURCE MANAGEMENT DEPARTMENT
(includes: home management)

1971 - Masters

1088. Preisz, Lois Heesacker. An investigation of credit usage among young married couples in western Oregon.

1972 - Masters

1089. Choi, Hye Jung. Housing selection and satisfaction associated with housing expenditures for off-campus living as stated by Asian graduate students at Oregon State University.

1090. Herron, Carol Christine. Differentials among single-unit owner-occupied homes recently remodeled in Corvallis, Oregon.

1091. Holyoak, Arlene. Use of consumer credit for purchases made by high school students in Klamath Falls, Oregon.

1092. Sandoval, Lou Ann Hawes. A study of differentials related to renting and owning mobile home sites, Shasta County, California.

1093. Wagner, Jeanette Ann. Comparison of the uses of living and family rooms in houses built from two floorplans in Corvallis, Oregon.

1973 - Masters

1094. Pulley, Mary Ann. Financial management practices of a selected group of retired couples.

1974 - Masters

1095. Koza, Mary Speckhart. Identification of young homemakers' management problems related to resource limitations.

1096. Lowry, Helen Joanne Speckhart. Expenditure differentials of selected urban families receiving AFDC assistance.

1097. Tam, Marilyn Hay-lit. Case studies of the resource base of low-income rural families in Oregon.

1975 - Masters

1098. Blackburn, Virginia Lee. Job-related expenditures of gainfully employed female household heads in Corvallis, Oregon.

1099. Ebert, Roberta Vale. Cost differentials of owning versus renting shelter during the retirement stage of the life cycle.

1100. Satterlee, Helen Grosso. Job-related expenditures of married clerical workers at Oregon State University.

1101. Sudo, Novuko. The use of community services and facilities by the elderly living in five types of housing in Corvallis, Oregon.

1976 - Masters

1102. Nofziger, Pansy Price. Case studies concerning financial planning of middle-aged families about retirement.

1977 - Masters

1103. Wright, Julie Edwards. The relationship of families' money management practices and their control of credit card use.

1971 - 1977 - Doctors

none

■ FARM CROPS

SEE Animal Science Department
Botany and Plant Pathology
Department
Crop Science Department

■ FISH AND GAME MANAGEMENT

SEE Fisheries and Wildlife Department

■ FISHERIES AND WILDLIFE DEPARTMENT

1971 - Masters

1104. Bennett, Donald Eugene. Biology of the redbait surfperch (Amphistichus rhodoterus).

1105. Christensen, Alan Gene. Effects of ethyl mercury on some parameters of reproduction in ring-necked pheasants.

1106. Iwanaga, Paul Morio. Effects of logging on the growth of juvenile coho salmon.

1107. McKern, John LeRoy. Steelhead trout otoliths for age, race, and stock analysis.

1108. Malick, James Gene. Population dynamics of selected zooplankton in three oligotrophic Oregon lakes.

1109. Malouf, Robert Edward. Food consumption and growth of the larvae of the Pacific oyster (Crassostrea gigas).

1110. Stein Jr., Roy A. Social interaction between juvenile coho and fall chinook salmon in Sixes River, Oregon.

1111. Stephenson, James Dale. Plumage development and growth of young whooping cranes.

1112. Trainer, Charles Edward. The relationship of physical condition and fertility of female Roosevelt elk (Cervus canadensis roosevelti) in Oregon.

1113. Wentz, William Alan. The impact of nutria (Myocastor coypus) on marsh vegetation in the Willamette Valley, Oregon.

1114. Zeigler, Don Leslie. Crop-milk cycles in band-tailed pigeons and losses of squabs due to hunting pigeons in September.

1972 - Masters

1115. Arhart, Dale Keith. Some factors that influence the responses of starlings to aversive visual stimuli.

1116. Brake, Lynn Albert. Influence of dissolved oxygen and temperature on the growth of juvenile largemouth bass held in artificial ponds.

1117. Chinn, Edwin Kan Kit. Transferrin variation and population differentiation in black-tailed deer.

1118. Eddy, Ronald Maurice. The influence of dissolved oxygen concentration and temperature on the survival and growth of chinook salmon embryos and fry.

1119. Emadi, Hossein. Yolk-sac malformation in Pacific salmon.

1120. Nielsen, James Robert. Rearing of channel catfish, Ictalurus punctatus (Rafinesque), and brown bullheads, I. nebulosus (Lesueur), in floating cages in a pond near Corvallis, Oregon.

1121. Olterman, James Howard. Rare, endangered, and recently extirpated mammals in Oregon.
1122. Phillips, Glenn Richard. The influence of diet and dieldrin on the growth and body composition of underyearling rainbow trout.
1123. Steinfeld, James David. Distribution of Pacific herring spawn in Yaquina Bay, Oregon, and observations on mortality through hatching.

1973 - Masters

1124. Blanc, Jean-Marie. Genetic aspects of resistance to mercury poisoning in steelhead trout (Salmo gairdneri).
1125. Coykendall, Robert Laurence. The culture of crayfish native to Oregon.
1126. Everson, Larry Bruce. Growth and food consumption of juvenile coho salmon exposed to natural and elevated fluctuating temperatures.
1127. Gharrett, Anthony John. Extent of DNA homology in some distantly and intimately related fishes.
1128. Hutton, Mark Irvin. The effects of water velocity, photoperiod and substrate on the survival and growth of sub-yearling Oregon crayfish (Pacifastacus trowbridgii) Stimpson.
1129. Jordan, Jack William. Natality of black-tailed deer in McDonald State Forest.
1130. Juntunen, Erland Theodore. Toxicity of selected herbicides to the coho salmon Oncorhynchus kisutch (Walbaum) in comparative static and dynamic bioassays.
1131. Karna, Duane William. Epizootiology of Margaritifera margaritifera (L.) (Mollusca: Margaritanidae) infection in salmonid fishes.
1132. Kavanagh, Ross Charles. A comparative analysis of four Oregon coastal lakes on the basis of description, trophy, and density-dependent functions.
1133. Lund, Dennis Stuart. Laboratory studies on setting of the Pacific oyster (Crassostrea gigas).
1134. McPherson, Barry Preston. Effects of methylmercury exposure on sea water adaptation of juvenile salmonids.
1135. Meehan, James Morgan. Pellet counts as a census and range-use technique for Columbia black-tailed deer.
1136. Negilski, David Stanley. Individual and combined effects of cyanide, pentachlorophenol and zinc on juvenile chinook salmon and invertebrates in model stream communities.
1137. Palensky, John Robert. Influence of 2, 4-dichlorophenol on the flavor of fish.
1138. Rybock, James Todd. Use of otoliths to differentiate juvenile steelhead trout from juvenile rainbow trout in the lower Deschutes River, Oregon.
1139. Wurtsbaugh, Wayne Alden. Effects of temperature, ration, and size on the growth of juvenile steelhead trout, Salmo gairdneri.
1140. Zirges, Malcom Hartwell. Morphological and meristic characteristics of ten populations of blackside dace, Rhinichthys osculus nubilus (Girard), from western Oregon.

1974 - Masters

1141. Adams, Norman Ross. Effects of DDT on conditioning responses of starlings.
1142. Armstrong, David Allen. Some biological effects of the insecticide sevin on marine bivalves.
1143. Barker, Morris Wayne. The comparative efficiency and economy of troll, jig, gillnet, and longline gear for harvesting neritic reef fishes.
1144. Burger, Carl Vincent. Genetic aspects of lead toxicity in laboratory populations of guppies (Poecilia reticulata).
1145. Cramer, Steven Putman. The heritability of resistance to gas bubble disease of Columbia River fall Chinook salmon, (Oncorhynchus tshawytscha).
1146. Herrig, Daniel Michael. Utilization of range sites by pronghorns in south central Oregon.
1147. Hutchins, Floyd Edward. Influence of dissolved oxygen concentration and swimming velocity on food consumption and growth of juvenile Coho salmon.
1148. Krygier, Earl Eldon. Distribution and reproductive biology of Crangon franciscorum (Stimpson) and Crangon nigricauda (Stimpson), in Yaquina Bay, Oregon.
1149. Liss, William John. The dynamics of exploited guppy populations exposed to dieldrin.
1150. Miller, Richard Arlen. The chronic toxicity of 2, 3, 7, 8-tetra-chloro-dibenzo-p-dioxin (TCDD) to five selected aquatic organisms.
1151. Nickelson, Thomas Earl. Population dynamics of coastal cutthroat trout in an experimental stream.
1152. Richards, John Barnett. Genetic components of variation in a bay mussel embryo bioassay.
1153. Staeger, William Henry. Cryobiological investigations of the gametes of the Pacific oyster, Crassostrea gigas.
1154. Tabor, James Eldon. Productivity, survival, and population status of river otter in western Oregon.
1155. Walker, John David. Effects of bark debris on benthic macrofauna of Yaquina Bay, Oregon.
1156. Wilson, Everett Frederick. The lethal and sublethal effects of a zirconium process effluent on juvenile salmonids.

1157. Wilson, William Joseph. The effects of concentration and particle size of suspended materials on growth and condition of the Pacific oyster (Crassostrea gigas).

1975 - Masters

1158. Bird, Franklin Howard. Biology of the blue and tui chubs in East and Paulina Lakes, Oregon.
1159. Bull, Evelyn Louise. Habitat utilization of the pileated woodpecker, Blue Mountains, Oregon.
1160. DeHart, Douglas Alan. Resistance of three freshwater fishes to fluctuating thermal environments.
1161. Engbring, John. Population ecology of a pheasant population augmented by release of game farm pheasants.
1162. Furniss, Sean Barry. Migrational characteristics and survival rates of mallards banded at Malheur National Wildlife Refuge.
1163. Gregory, Stanley Vincent. Analysis of a 32p material balance method for measuring periphyton production in flowing water.
1164. Hosie, Michael Joe. Biology of the Rex sole, Glyptocephalus zachirus Lockington, in waters off Oregon.
1165. Jackman, Siri Marion. Woodpeckers of the Pacific Northwest; their characteristics and their role in the forests.
1166. Jameson, Ronald James. An evaluation of attempts to reestablish the sea otter in Oregon.
1167. Janik, Philip Joseph. Sociological, economic, and biological aspects of the deer hunting activity in Grant County, Oregon.
1168. Lindsay, Robert Bryan. Distribution and survival of coho salmon fry after emigration from natal streams.
1169. McKay, Donald Oren. Dynamics of a population of mountain cottontail rabbits in central Oregon.
1170. Meyers, Theodore Richard. Comparative susceptibility of juvenile Salmonid fishes to infection with the Glochidia of Margaritifera margaritifera (L.) (Pelecypoda: Margarit-anidae).
1171. Mower, Barry Francis. Growth and production of salmonids exposed to a stabilized Kraft mill effluent in experimental stream channels.
1172. Parsons, David R. Time and energy budgets of a population of dipper (Cinclus mexicanus) during winter in the Cascade Range of Oregon.
1173. Reynolds, Richard Truman. Distribution, density, and productivity of three species of accipiter hawks in Oregon.
1174. Rowan, Gerald Duane. Effects of temperature and ration size on the growth of juvenile Chum salmon, Oncorhynchus keta, in sea water.
1175. Stufferud, Jerome Arthur. Prediction of abundance of harvestable Dungeness crab (Cancer magister).
1176. Suring, Lowell Howard. Habitat use and activity patterns of the Columbian white-tailed deer along the lower Columbia River.

1177. Vaughan, Michael R. Aspects of mountain goat ecology, Wallowa Mountains, Oregon.

1976 - Masters

1178. Booty, William Michael. A theory of resource utilization.
1179. Carlson, Anthony Ronald. Reproductive behavior of the threespine stickleback exposed to chloramines.
1180. Chilcote, Mark William. Genetic comparison of Deschutes River steelhead and rainbow trout at selected enzyme loci.
1181. Denton, Samuel Jonathon. Status of prairie falcons breeding in Oregon.
1182. Forsman, Eric. A preliminary investigation of the spotted owl in Oregon.
1183. Fustish, Charles Arthur. Relative resistance of the Coho salmon (Oncorhynchus kisutch) and the Chinook salmon (Oncorhynchus tshawytscha) to the parasitic larvae (Glochidia) of the freshwater mussel (Margaritifera margaritifera).
1184. Hauck, Arthur Kent. Infection, histopathology and migration of Anisakis sp. (Nematoda: Heterocheiloidea) in Pacific herring (Clupea harengus pallasii) from Yaquina Bay, Oregon.
1185. Kristiansson, Anne Christine. Biochemical genetic variation among selected populations of chinook salmon (Oncorhynchus tshawytscha) in Oregon and Washington.
1186. Lamperti, Larry Phillip. Some effects of life stage, temperature, pH and alkalinity on the acute toxicity of inorganic chloramines to young Coho salmon (Oncorhynchus kisutch).
1187. Lind, Gordon Swanson. Production, nest site selection, and food habits of ospreys on Deschutes National Forest, Oregon.
1188. Six, Lawrence Donal. Analysis of age determination methods for yellowtail rockfish, canary rockfish, and black rockfish off Oregon.
1189. Stein, David Leslie. A review of the deep water Liparidae from the coast of Oregon and adjacent waters.
1190. Sullins, George Lamont. Evaluation of baits and baiting techniques for Belding's ground squirrels.
1191. Thompson, Bruce Carlyle. Evaluation of wire fences for control of coyote depredations.
1192. Woltering, Daniel Mark. Predator-prey interactions under the influence of ammonia.

1977 - Masters

1193. Aho, Richard Stanley. A population study of the cutthroat trout in an unshaded and shaded section of stream.
1194. Bieber, Glen F. Comparative behavior of the progeny of hatchery and wild steelhead trout (Salmo gairdneri).
1195. Clark, John Paul. Effects of experimental management schemes on production and nesting ecology of ducks at Malheur National Wildlife Refuge.
1196. Clark, Sally Lynn. Effects of winter grazing by geese on ryegrass seed yield.

1197. Good, James Ronald. Habitat factors affecting pronghorn use of playas in south central Oregon.
 1198. Griffith, Dennis Bradley. Seasonal properties of the Coyote Scent Station Index.
 1199. Kunkel, Clair Milton. Biology and production of the red-band trout (Salmo sp.) in four southeastern Oregon streams.
 1200. Lebsack, Stephen Grant. Selected aspects of the pharmacodynamics of malathion in Cancer magister Dana.
 1201. McCabe, Thomas Robert. Productivity and nesting habitat of Great Basin Canada geese; Umatilla National Wildlife Refuge.
 1202. McCluskey, Daniel Calvin. DDT and reproductive success of bluebirds and house wrens in Northeastern Oregon.
 1203. Mannan, Robert William. Use of snags by birds, Douglas-fir region, western Oregon.
 1204. Meyerhoff, Roger Dean. Sediment characteristics and the trophic status of four Oregon lakes.
 1205. Miles, Aaron Keith. Fall migration of mourning doves in the western management unit.
 1206. Nicholas, Jay Woodburn. The feasibility of a consumptive wild trout sport fishery on the North Fork of the Middle Fork of the Willamette River.
 1207. Passmore, Michael Forrest. Utilization of mineral sites by bandtailed pigeons.
 1208. Reisenbichler, Reginald Ruben. Growth and survival of juvenile hatchery and wild steelhead trout, Salmo gairdneri, in streams.
 1209. Skalski, John Raymond. Transferrin polymorphism in a population of Nuttall's cottontail in central Oregon.
 1210. Smoker, Janet Van Dusen. A mendelian study of Crassostrea gigas.
 1211. Solazzi, Mario Frank. Effects of inbreeding Coho salmon (Oncorhynchus kisutch).
 1212. Steil, Deborah L. Effects of chlorinated biologically stabilized kraft mill effluent on the mortality and growth of Coho salmon.
 1213. Suzumoto, Bruce Kazuo. Relative resistances of three transferrin genotypes of coho salmon (Oncorhynchus kisutch) and their hematological responses to bacterial kidney disease.
 1214. Watkins, Bruce E. Evaluation of shrimp and crab processing waste as a feed supplement for mink (Mustela vison).
- 1971 - Doctors
1215. Hanes, David Fink. Effects of pentachlorophenol on cultures of embryonic cells from Oncorhynchus kisutch.
 1216. Henny, Charles Joseph. An analysis of the population dynamics of selected avian species.
 1217. Lorz, Harold William. The effects of x-irradiation, diethylstilbestrol, and size at time of release on the early sexual maturation of coho salmon Oncorhynchus kisutch.
 1218. Reimers, Paul Edward. The length of residence of juvenile fall chinook salmon in Sixes river, Oregon.
 1219. Roelofs, Terry Dean. Effects of dieldrin on the intrinsic rate of increase of the guppy, Poecilia reticulata Peters.
 1220. Wagner, Harry Henry. The parr-smolt metamorphosis in steelhead trout as affected by photoperiod and temperature.
- 1972 - Doctors
1221. Au, David Wah Kwai. Population dynamics of the coho salmon and its response to logging in three coastal streams.
 1222. Iverson, Ronald Albert. Effects of elevated temperature on juvenile Coho salmon and benthic invertebrates in model stream communities.
- 1973 - Doctors
1223. Broderius, Steven James. Determination of molecular hydrocyanic acid in water and studies of the chemistry and toxicity to fish of metal-cyanide complexes.
 1224. Lannan Jr., James Edmund. Genetics of the Pacific oyster; biological and economic implications.
 1225. Schmidt, Dana Charles. An evaluation in rainbow trout of biliary excretion of sulfobromophthalein and effects of biliary excretion on the toxicity of rotenone.
- 1974 - Doctors
1226. Anderson, Perry David. An approach to the study of multiple toxicity through the derivation and use of quantal response curves.
 1227. Wilmot, Richard Lewis. A genetic study of the red-band trout (Salmo sp.).
- 1975 - Doctors
1228. Baker, James Cass. Protein and lipid factors in the bioenergetics of swimming in fish (Oncorhynchus kisutch).
 1229. Bisson, Peter Andre. Elevated temperature and the production of juvenile Chinook salmon (Oncorhynchus tshawytscha) in a model stream.
 1230. Borton, Dennis Leland. Effects of primary treated and biologically stabilized kraft mill effluents on the production, biomass and growth rates of juvenile salmonids in three stream channels.
 1231. Emadi, Hossein. Culturing conditions and their effects on survival and growth of the crayfish Pacifastacus leniusculus trowbridgii (Stimpson).
 1232. Haefner, James Welt. Generative grammars that simulate ecological systems.
 1233. Kan, Ting Tien. Systematics, variation, distribution, and biology of lampreys of the genus Lampetra in Oregon.
 1234. Ott, Alvin George. Cryopreservation of Pacific salmon and steelhead trout sperm.

1235. Schneider Jr., Phillip William. Aspects of comparative neuromuscular physiology and pharmacology of black bass (Micropterus salmoides) as evidenced by the action of diisopropylfluorophosphate.
1236. Thatcher, Thomas Orlo. Some effects of dissolved oxygen concentration on feeding, growth and bioenergetics of juvenile Coho salmon.
1237. Williams, Steven Frank. Rearing conditions and their effects on growth, food conversion, and survival of English sole (Parophrys vetulus Girard).

1976 - Doctors

1238. Andreasen, James Knude. Systematics and status of the family Catostomidae in Southern Oregon.
1239. Kephshire Jr., Bernard Michael. Bioenergetics and survival of chum (Oncorhynchus keta) and pink (O. gorbuscha) salmon in heated seawater.
1240. Lindzey, Frederick Grier. Black bear population ecology.
1241. Phillips, Glenn R. Some quantitative aspects of mercury accumulation by rainbow trout.

1977 - Doctors

1242. Feldhamer, George Alan. Factors affecting the ecology of small mammals on Malheur National Wildlife Refuge.
1243. Gingerich, William Harold. Sulfobromophthalein disposition in rainbow trout (Salmo gairdneri) as influenced by carbon tetrachloride intoxication.
1244. Lidgerding, Burton Charles. Glucose metabolism in cultures of embryonic cells from Coho salmon (Oncorhynchus kisutch).
1245. Liss, William John. Toward a general theory of exploitation of fish populations.
1246. Malouf, Robert Edward. The effects of temperature and food availability on energy partitioning and growth in the pacific oyster Crassostrea gigas (Thunberg).
1247. Poon, Derek Clinton. Quality of salmon fry from gravel incubators.
1248. Shapeero, William L. The effects of sewage on the distribution and abundance of benthic animals in a Puget Sound bay.

■ FOOD AND DAIRY TECHNOLOGY

SEE Food Science and Technology Department

■ FOOD INDUSTRIES

SEE Food Science and Technology Department

■ FOOD SCIENCE AND TECHNOLOGY DEPARTMENT

SEE ALSO Foods and Nutrition Department

1971 - Masters

1249. Diehl, John Harvey. Walnut (Juglans regia) Phenols: I. Changes during ripening.
II. Antagonisms for certain microorganisms.

1250. DuBois, Michael Wayne. Effect of proteolytic enzymes on emulsification characteristics of bovine skeletal muscle.
1251. Matthews, Roy Frank. The autoxidation of 2,4-decadienal.
1252. Steel, Ronald Edward. Shrimp processing waste as a pigment source for rainbow trout (Salmo gairdneri).
1253. Vasconcelos, George Joseph. Microbial flora of Pacific oysters (Crassostrea gigas) subjected to UV-irradiated seawater.

1972 - Masters

1254. Doster, Robert Charles. Acute toxicity and carcinogenic activity of ochratoxin in rainbow trout (Salmo gairdneri).
1255. Erlandson, John Arthur. Anthocyanin degradation in freeze-dried strawberries and strawberry puree.
1256. Schoenhard, Grant Louis. Biological preparation of ¹⁴C labeled aflatoxin.
1257. Wilson, Lester Arthur. Structure of the Royal Anne cherry cuticle with special reference to cuticular penetration.
1258. Yang, Chang-soo. Effect of sucrose on the production of flavor compounds by yogurt culture bacteria.

1973 - Masters

1259. Cavazos, Sergio Flores. Post-mortem quality changes in iced Pacific shrimp (Pandalus jordani).
1260. Geist, Gary Michael. Comparative activity and partial characterization of cathepsins in three species of Pacific sole.
1261. Gulan, Michael Peter. Measurement of dimethylamine and trimethylamine in Dungeness crab, Cancer magister.
1262. Herring, Jeffry Lynn. Identification of polychlorinated biphenyls by gas-liquid chromatography and ultraviolet degradation.
1263. Huxel, Edward Thomas. Formation of N-nitrosophyrrolidine from various pyrrolidine ring-containing compounds at elevated temperatures.
1264. Jones, David James. Synthesis of the 2, 3, 3a, 8a-tetrahydro-2-hydroxy-furo [2, 3-b] benzofuran ring system, an aflatoxin moiety.
1265. Lieb, Andrew James. Accumulation of dietary polychlorinated biphenyl by rainbow trout (Salmo gairdneri).

1974 - Masters

1266. Ferguson, Thomas Lyle. Plasma cholesterol levels, atherosclerosis and liver damage in rabbits fed cyclopropenoid fatty acids.
1267. Patrick, Lui-san Kwan. Influence of commensal microorganisms on Clostridium botulinum type E.
1268. Rhee, Kie Ho. Dimethyl disulfide produced in sterile fish muscle by Pseudomonas putrefaciens.
1269. Stutz, Howard Kent. Effect of temperature cycling on the production of aflatoxin by Aspergillus flavus.

1975 - Masters

1270. Cummins, Armando. . Influence of polyphosphates on the emulsifying capacity of milk and meat proteins.
1271. Kellems, Richard Owen. Feed conversion, protein utilization and growth of rainbow trout (Salmo gairdneri) fed 25 to 45 percent herring oil.
1272. Lehman, Michael Wesley. Alterations in growth, lipid metabolism and P:O ratios in mice fed Sterculia foetida oil.

1976 - Masters

1273. Adu, Gloria Aderemi. Effect of washing on the quality, desirability and stability of drum-dried machine separated rockfish flesh.
1274. Argaiz, Alvaro. Relation of the decomposition of trimethylamine oxide and the quality of Pacific shrimp (Pandalus jordani).
1275. Boyko, Alayne Linda. A comparison of porous polymers used in collecting organic volatiles in foods.
1276. Larson, Peter Kebren. Some factors involved in the clarification of whey wine.
1277. McPherson, Barbara Ann. The use of L-Aspartyl-L-phenylalanine methyl ester (Aspartame) as a sweetening agent in orange sherbet.
1278. Sullivan, Daniel Park. Some visceral proteases of albacore tuna fish (Thunnus alalunga).

1977 - Masters

1279. Eisele, Thomas Anthony. [9, 10-methylene-¹⁴C] sterculic acid metabolism in the rat: urinary metabolites, liver tissue distribution, and induced ω -hydroxylase activity.
1280. Grieco, Mary Porter. Carcinogenicity and acute toxicity of dimethylnitroxamine in rainbow trout (Salmo gairdneri).
1281. Halim, David Husien. Polyphenol oxidase of D'Anjou pears (Pyrus communis L.).
1282. Hotchkiss, Joseph H. Formation of Bis (hydroxyalkyl)N-nitrosamines as products of the nitrosation of spermidine.
1283. Kelch, William James. Drug resistance, source, and environmental factors that influence fecal coliform levels of Tillamook Bay.
1284. Timmerman, Conrad Dietrich. Heat and acid induced autolytic digestion of Pacific hake (Merluccius productus).

1971 - Doctors

1285. Kaufman, Willis Mast. Identification of some chlorinated pesticides by ultraviolet degradation.
1286. Petropakis, Heracles John. Proteolytic and chemical changes of some minor nitrogen compounds and extra protein of bovine muscle during aging.

1972 - Doctors

1287. Amos, James Franklin. The influences of mold contamination, processing and maturity on the volatiles of the strawberry, Fragaria ananassa Duch.
1288. Benjamin, Namrod David. Purification and characterization of polyphenol oxidases of Royal Anne cherries (Prunus avium L.).
1289. O'Keefe, Patrick William. Identification of some neutral high boiling compounds in molecular distillates from cheddar cheese fat.
1290. Price, Robert James. Interaction between paralytic shellfish poison and clam melanin and protein.

1973 - Doctors

1974 - Doctors

1291. Bishop, Paul Edward. Isolation and characterization of Bacillus subtilis mutants resistant to ethidium bromide and aflatoxin B₁.
1292. Ivey, Francis James. The determination of n-nitrosoproline in cured meats.
1293. Schoenhard, Grant Louis. Aflatoxin B₁ metabolism by rainbow trout (Salmo gairdneri).
1294. Struthers, Barbara Oft. Alteration of certain physiological and biochemical parameters in livers of rainbow trout fed methyl sterulate.
1295. Whiting, Richard Charles. Stability of rainbow trout (Salmo gairdneri) muscle lysosomes.

1975 - Doctors

1296. Decker, Carl David. Proteolytic activity in Pacific shrimp (Pandalus jordani) processing waste; distribution, effects on muscle proteins, and partial characterization.
1297. Hildrum, Kjell Ivar. Formation of N-nitrosamines from the nitrosation of spermidine and spermine.
1298. Warthesen, Joseph John. Formation of heterocyclic n-nitrosamines from the reaction of nitrite and selected primary diamines and amino acids.

1976 - Doctors

1977 - Doctors

1299. Lee, Jae-sung. Identification and quantitation of 3-hydroxy-N-nitrosopyrrolidine in fried bacon and fried-out fat.
1300. Perera, Conrad Ostwald. Isolation and partial characterization of bovine rumen muscle proteins.

■ FOOD TECHNOLOGY

SEE Food Science and Technology Department

■ FOODS AND NUTRITION DEPARTMENT

SEE ALSO Food Science and Technology Department

1971 - Masters

1301. Walt, Marie Ann Rodgers. Properties of starch as related to the characteristics of starch-structured breads.

1972 - Masters

1302. Allen, Evelyn Carol. Occurrence of Vibrio parahaemolyticus in and bacteriological quality of Oregon Dungeness crabmeat.
1303. Chou, Christin Chin. The lipid composition of canned and frozen shrimp.
1304. Covert, Donna Joyce. The effect of temperature and sodium chloride concentration on the survival of Vibrio parahaemolyticus in Trypticase soy broth and fish homogenate.
1305. Craig, Margaret Reilly. Responsibilities of and recommendations for preparation of retirement home administrators.
1306. Huang, Caecilia June-chen. The sterols and other lipids of crab meat.
1307. Lewis, Margaret Jean. The plasma lipid and coagulation response of young men to a physical fitness program.
1308. Nandi, Bina Rani. Polyphenol oxidase, dopamine content, and discoloration in ripening bananas.
1309. Zipperer, Sharon Ann. Growth and enterotoxin production of Staphylococcus aureus in papain-treated beef and ham.

1973 - Masters

1310. Ro, Sookja Lim. Survival of Vibrio parahaemolyticus in Korean-style salted oysters.
1311. Wozenski, Janet Regina. Phytic acid (Myoinositol hexaphosphate) and phytase activity in four cottonseed protein products.
1312. Young, Joey Nim-cho. Urinary excretion of 4-pyridoxic acid by women using steroid contraceptives and by mental retardates with and without Down's Syndrome.

1974 - Masters

1313. Brineman, Elena Louise. The effect of oral contraceptives on serum folate levels in women.
1314. Pritchard, Dorothy Lynn. Oregon meal programs for the elderly.
1315. Schrupf, Doris Elaine. Textural changes in broccoli and carrots cooked by microwave energy.
1316. Weaver, Connie Marie. Factors influencing enzymatic browning of ripening bananas.

1975 - Masters

1317. Augustine, Sandra Lee. Dietary intake and plasma vitamin E of older subjects.

1318. Burson, Janet Zimmerman. Food preferences and shopping habits of older people.
1319. Langan, Michael Joseph. The effects of improved oral hygiene on the nutrition of the elderly.
1320. Lee, Mei-shan. Folic acid and ascorbic acid status of elderly subjects.
1321. Maclean, Heather Elizabeth. Staffing patterns in two food service areas of a hospital/training center for mentally retarded.

1976 - Masters

1322. Condit, Mary Garidel. The effect of selected soci-environmental variables on the dietary intake of preschool children.
1323. Dow, Marjorie J. Metabolism of methionine in women using oral contraceptives.
1324. Halvorson, Joan Dorothy. Lecithin supplementation and plasma phospholipids.
1325. Holden, Lisa Schweickhardt. Lecithin supplementation and free and esterified cholesterol in plasma.
1326. Kockeler, Shelly Carol. Effect of oral contraceptives in women on the plasma and urinary levels of vitamin B₆.
1327. Phuong, Dang Thi Cuc. Factors affecting erythrocyte transaminase activity in preschool children.
1328. Skinner, Jean Dingman. Effect of ascorbic acid supplementation on vitamin B₁₂ in plasma of elderly women.
1329. Warner, June Alice. The interrelationships of physical and dietary parameters with plasma lipids in healthy elderly subjects.

1977 - Masters

1330. Nuwer, Marcia Mary. Unbleached flour high-ratio white cakes as affected by cream of tartar and variation in sugar/water level.
1331. Pratt, Joan Margaret. Pre-rigor high-pressure treatment effects on selected quality characteristics of beef semitendinosus muscle.
1332. Shannon, Kathryn Lee. Benefits to cerebral palsied children from teaching nutrition and feeding skill development to their mothers.

1971 - 1972 - Doctors

none

1973 - Doctors

1333. Doster, Robert Charles. Toxicity and metabolism of ochratoxins in rainbow trout (Salmo gairdneri).

1974 - Doctors

none

1975 - Doctors

1334. Park, Sue Sookja. Growth, enterotoxin production and energy charge of Staphylococcus aureus under three gaseous environments.

1976 - Doctors

none

1977 - Doctors

1335. Perera, Anne Doloras. Vitamin B₆ enrichment of wheat flour: stability and bioavailability.

■ FOREST ECOLOGY

SEE Forest Management Department

■ FOREST ECONOMICS

SEE Forest Management Department

■ FOREST ENGINEERING DEPARTMENT

SEE ALSO Forest Management Department
Forest Products Department
Forest Science Department

1971 - 1972 - Masters

none

1973 - Masters

1337. Brazier, Jon Roger. Controlling water temperatures with buffer strips.
1338. Lammel, Richard Friedrich. Natural debris and logging residue within the stream environment.

1974 - Masters

1339. Ponce II, Stanley Lewis. The biochemical oxygen demand of Douglas-fir needles and twigs, western hemlock needles and red alder leaves in stream water.
1340. Ranken, Darrel Wesley. Hydrologic properties of soil and subsoil on a steep, forested slope.
1341. Sinner, Hans-Ulrich. Simulating skyline yarding in thinning young forests.

1975 - Masters

1342. Berry, John David. Modeling the impact of logging debris on the dissolved oxygen balance of small mountain streams.
1343. Garvin, William Fredrick. The intrusion of logging debris into artificial gravel streambeds.
1344. Ledoux, Chris B. Simulation of a helicopter yarding system in old growth forest stands.
1345. McGreer, Dale Jay. Stream protection and three timber falling techniques; a comparison of costs and benefits.

1976 - Masters

1346. Carlton, Ronald Roy. Influences of the duration of periodic sway on the stem form development of four-year-old Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco).

1977 - Masters

none

1971 - 1972 - Doctors

none

1973 - Doctors

1347. Holbo, Harold Richard. The energy budget of a pumice desert.

1974 - Doctors

none

1975 - Doctors

1348. Yee, Carlton Stratton. Soil and hydrologic factors affecting stability of natural slopes in the Oregon Coast Range.

1976 - 1977 - Doctors

none

■ FOREST ENTOMOLOGY

SEE Entomology Department

■ FOREST MANAGEMENT DEPARTMENT

(includes: Forest Resource Recreation)

SEE ALSO Forest Engineering Department
Forest Products Department
Forest Science Department

1971 - Masters

1349. Lewis, Charles Stewart. A comparative economic analysis between log scaling practices.
1350. Mohr, Francis Robert. Priority evaluation of fire hazard in the Douglas Forest Protective Association district in Oregon.
1351. Sugano, Albert Itsuki. The effects of low temperatures on dormancy release in Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco) from western Oregon, Washington, and California.

1972 - Masters

1352. Clendenen, Gary Wayne. Growth and yield of unmanaged stands of quaking aspen on the upper Navajo River in the Rocky Mountains of southwest Colorado.
1353. Emmingham, William Heber. Conifer growth and plant distribution under different light environments in the Siskiyou Mountains of southwestern Oregon.
1354. Rogers, Roger Allan. Probability proportional to size sampling of Douglas-fir from aerial photography.

1973 - Masters

1355. Abee, Albert. Nutrient cycling under 450-year-old Douglas-fir stands.
1356. Borrecco, John Edward. The response of animals to herbicide-induced habitat changes.
1357. Campbell III, Allan. Effects of thermoperiod on the early growth of red alder from different elevations and geographic sources.

1358. Pope, Walter William. Geographical variation in apparent net photo-synthesis of Rocky Mountain Douglas-fir Pseudotsuga menziesii var. glauca.

1359. Preest, David Stanley. Summer soil moisture dynamics in a young Douglas-fir plantation as influenced by three herbaceous weed communities.

1974 - Masters

1360. DeYoe, David R. Indole-3-acetic acid in Douglas-fir (Pseudotsuga menziesii (Mirb.) Franco); a definitive analysis of gas-liquid chromatography-mass spectrometry.

1361. Handy, Jeffery King. Economic guidelines to reforestation under alternative types of forest ownership.

1362. Hellinga, Gerald Alan. The effect of preconditioning light intensity on photosynthesis of seedlings of two ecotypes on Douglas-fir.

1363. Iles, Kimberly. Geometrical considerations affecting the determination of basal area growth by increment boring methods.

1364. Logan, Robert Steven. An alternative to clear-cutting.

1365. Martin, David Carl. Objectives and attitudes of nonindustrial small-forest owners in Lane County, Oregon.

1366. Meier, Gerald Alfred. Timber management plan for the university forest.

1367. Nelson, Eric Alan. Nutritional requirements of the thin-leaved huckleberry (Vaccinium membranaceum Dougl.).

1368. Running, Steven William. Leaf resistance responses in selected conifers interpreted with a model simulating transpiration.

1369. Russel, David Wright. The life history of vine maple on the H. J. Andrews Experimental Forest.

1370. Santantonio, Daniel. Root biomass studies of old-growth Douglas-fir.

1371. Shore, Joseph Alexander. Multi-stage regeneration survey of coniferous regeneration on clearcuts in western Oregon.

1372. Stuck II, Roger Dean. Predicting diameter inside bark at various upper stem heights for several coniferous species along the western slope of the Cascade Mountains.

1975 - Masters

1373. Greaves, Robert David. Some factors affecting the distribution of organic arsenical silvicides in the forest ecosystem.

1374. Hilt, Donald E. Yields of repeated high and low commercial thinnings of immature coastal Western hemlock.

1375. Roberts, Catherine Anne. Initial plant succession after brown and burn site preparation on an alder-dominated brushfield in the Oregon Coast Range.

1376. Witler, Jerome Warren. The effect of thinning intensity upon understory growth and species composition in an Oregon Coast Range Pseudotsuga menziesii stand.

1976 - Masters

1377. Gustafson, Richard Dale. Regional employment impacts of timber harvest changes in Oregon.

1378. McCreary, Douglas Dewitt. Photoperiodic responses of Douglas-fir (Pseudotsuga menziesii (Mirb.) Franco) and Ponderosa pine (Pinus ponderosa) seedlings.

1379. Sullivan, Michael James. Stocking levels and seedling heights on clearcuts in relation to habitat type in the Western Cascades of Oregon.

1977 - Masters

1380. Burton, Douglas Harlow. The feeding habits of the Mazama pocket gopher in the pine region of South-Central Oregon.

1381. Chetock, Jerome Joseph. First year survival and growth of planting stock of various size on adverse sites.

1382. Delucchi, Philip B. Effects of Douglas-fir tussock moth infestation on outdoor recreationists in the Blue Mountains, Oregon.

1383. Iverson, Richard David. The efficacy of various coniferous stock types planted on brushy sites in the Oregon Coast Range.

1384. Moutsinas, Cynthia Martha. Attitudes of forest managers toward dispersed recreation on roaded forest lands in the Pacific Northwest.

1385. Smith, Stephen Hosmer. The evaluation of competitive stress index as a measure of stand density for young growth Douglas-fir.

1386. Thompson, Terry Jo. Dispersed winter recreation use patterns and visitor attitudes at Crater Lake-Diamond Lake, Oregon.

1387. Williams, William Roy. The economic impact of the Douglas-fir Tussock Moth on private recreation businesses in northeastern Oregon.

1971 - Doctors

1388. Alden, John Norman. Freezing resistance of tissues in the twig of Douglas-fir Pseudotsuga menziesii (Mirb.) Franco.

1389. Cleary, Brian Dennis. The effect of plant moisture stress on the physiology and establishment of planted Douglas-fir and ponderosa pine seedlings.

1390. Dobie, James. Economies of scale in sawmilling in British Columbia.

1391. Holt, Harvey Allen. Internal moisture relations of standing Douglas-fir trees injected with organic arsenicals.

1392. Holtje Jr., Ralph Kenneth. Reaeration in small mountain streams.

1393. Hooven, Edward Frank. Effects of clearcutting a Douglas-fir stand upon small animal populations in western Oregon.

1394. Klemperer, William David. Decision guides for forest practice laws in Oregon.

1395. Laird, Peter Paul. The influence of pre-harvest killing of western hemlock on subsequent stump invasion by Fomes annosus.

1396. Randall, Robert Matthew. Developing optimal programs for thinning young-growth Douglas-fir stands.
1397. Richards, Douglas Perry. The efficiency of resource use in the logging industry.
1398. Webb, Warren Lewis. Photosynthetic response models for a terrestrial plant community.

1972 - Doctors

1399. Arney, James Douglas. Computer simulation of Douglas-fir tree and stand growth.
1400. Groman, William Allen. Comparative development of a thinned and a natural Douglas-fir stand from 45 to 60 years of age.
1401. Reed, Kenneth Lee. A computer simulation model of seasonal transpiration in Douglas-fir based on a model of stomatal resistance.
1402. Thevenon, Michel Jean. An economic analysis of pulp, paper and board exports from the Pacific Northwest.

1973 - Doctors

1403. Johnson, Kenneth Norman. Evaluation of management alternatives for an undeveloped, forested area in Oregon's coast range.
1404. Johnson, Walter W. Economic efficiency of the particleboard industry of Oregon.
1405. Lee, Gin-Fu Larry. The structure of the hardwood plywood industry in the Far East exporting countries: Japan, Republic of China, Republic of Korea, and the Philippines.
1406. Ruetz, Wolfhard Friedrich. Seasonal changes in the CO₂ gas exchange of red fescue (*Festuca rubra* L.) in a montane meadow community in northern Germany.
1407. Bandrowski, Stefan Stanislaw. An economic analysis with emphasis on stochastic evaluation of the structural and marketing changes of the Oregon millwork industry.
1408. Chen, Justin Jenq-yie. An economic analysis of the cost of chemical brush control in western Oregon.
1409. Drew, Allan Pierce. Effects of light preconditioning on the seasonal water relations of nursery-grown Douglas-fir.

1974 - Doctors

1410. Emmingham, William H. Physiological responses of four Douglas-fir populations in three contrasting field environments.
1411. Fang, Henry Hai-loong. Douglas-fir bark; *n*-hexane-soluble and volatile materials.
1412. Griffin, Anthony Roderick. Geographic variation in juvenile growth characteristics of Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco) from the coastal ranges of California.
1413. Miller, James Howard. Nutrient losses and nitrogen mineralization on forested watersheds in Oregon's Coast Range.
1414. Yocom, Theodore Ralph. A preliminary study of the economic feasibility of marketing processed hardwood residue products in Illinois.

1975 - Doctors

1415. Dealy, J. Edward. Ecology of curleaff mountain-mahogany (*Cercocarpus ledifolius* Nutt.) in Eastern Oregon and adjacent areas.
1416. Hunt, Larry M. Energy flow in animal populations.
1417. Preest, David Stanley. Effects of herbaceous weed control on young Douglas-fir moisture stress and growth.
1418. Yang, Jenq-chuan. Isoenzyme polymorphism in provenances of Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco var. *menziesii*).

1976 - Doctors

1419. Keipi, Kari Jahani. Transfer pricing alternatives for allocating logs in a forest products firm.
1420. McNutt, James Allen. A stochastic analysis of erosion and economic impacts associated with timber harvests and forest roads.

1977 - Doctors

1421. Peterson, Charles Adrian. The metabolic pathways and physiological effects of atrazine in Douglas-fir seedlings.

■ FOREST PRODUCTS DEPARTMENT

(includes: Forest Products Chemistry)

SEE ALSO Chemistry Department
Forest Engineering Department
Forest Management Department
Forest Science Department

1971 - Masters

1422. Fang, Henry Hai-loong. Douglas-fir bark; *n*-hexane-soluble fraction.
1423. Lancaster, Eugene Peter. Steady- and unsteady-state longitudinal water permeability of western hemlock.

1972 - Masters

1424. Lai, Yu-chai Leslie. Douglas-fir bark; carbohydrates solubilized by the acidified sodium chlorite delignification reaction.
1425. Meng, Tommy Yi. An investigation of the effect of dihydroquercetin and quercetin on bleaching of Douglas-fir groundwood.

1973 - Masters

1426. Chia, Shun Nan. Effect of seedling characteristics on Kraft pulping properties of young Douglas-fir.
1427. Cooper, Paul Arthur. The movement of chloropicrin vapor in wood to control decay.
1428. Knezevic, Bernd-Olaf Robert. Dielectric properties of wood treated with copper sulphate.
1429. Litvay, John Dennis. Determining moisture content and moisture sorption in Douglas fir bark.

1974 - Masters

1430. Jordan, David Eugene. The wettability of four Southeast Asian hardwoods.
1431. Schroeder, Glenn A. End-fixation in exterior stud wall systems.
1432. Yang, Tsai-yeong. Pulping characteristics of Douglas-fir sawdusts.

1975 - Masters

1433. Fernandez, Virgilio A. A method for approximating distributions of mechanical properties for structural lumber.
1434. Horton, Robert Kenneth. The effects of thin kiln sticks on the drying of two inch western hemlock lumber.
1435. Lee, Yie-hsiang Lisa. Anatomy of chemically and mechanically isolated bark sclereids.
1436. Nguyen, Dong. Effect of wood extractives on cure of phenolic resin.
1437. Watters, Allan Eugene. Bonding wood particle composites with foamed adhesive.
1438. White, Robert Hawthorne. Finite element analysis of end fixity in stud wall panels.

1976 - Masters

1439. Oteng-Amoako, Andrews. A comparative study of preservative treatment of selected woods from Ghana and the United States.
1440. Safo-Sampah, Stephen. Ability of selected fungi from Douglas-fir poles to degrade wood and their tolerance to wood-preserving chemicals.

1977 - Masters

1441. Fang, Yi-Pygn. Kraft green liquor pulping of Douglas-fir for corrugating medium.
1442. Wade, Dennis Clelan. The application of fluorescence of pulping waste liquors to the control of laboratory and commercial pulping operations.
1443. Wilkie Jr., George Robert. Determining appropriate accelerated aging tests for keruing plywood.
1444. Wisherd, Kurt Douglas. Bark as a supplemental source for wood furnish in particleboard.

1971 - 1972 - Doctors

none

1973 - Doctors

1445. Chen, Chung-hsien. Douglas-fir bark: isolation and characterization of a holocellulose fraction.
1446. Zerrudo, Jose Velmonte. Douglas-fir bark: water-soluble carbohydrates and alkaline degradation of a xylan.

1974 - Doctors

1447. Wang, Philip Hweig. The effect of mixed species pulping on paper properties.

1448. Webber, John Edinburgh. The occurrence of abscisic acid in the dormant shoots of Douglas-fir [*Pseudotsuga menziesii* (Mirb.) Franco].

1975 - Doctors

1449. Karchesy, Joseph John. Polyphenols of red alder; chemistry of the staining phenomenon.
1450. Short, Paul Henry. Thermal characteristics of Douglas-fir bark fiber 25° to 250°C.

1976 - Doctors

1451. Litvay, John Dennis. Anatomical and chemical characteristics of the Douglas-fir (*Pseudotsuga menziesii* (Mirb.) Franco) phellem cell.

1977 - Doctors

1452. Fernandez, Elvira Cabauatan. Douglas-fir bark: structure and alkaline degradation of a glucomannan.

■ FOREST SCIENCE DEPARTMENT

1971 - 1972 - Masters

none

1973 - Masters

1453. Gilbert, Roy C.A. The concentration of nutrients in the tissue of ten white spruce provenances grown on an acid and a basic soil.

1974 - 1976 - Masters

none

1977 - Masters

1454. Anderson, Robert John. Relation of the northern pocket gopher to forest habitats in south-central Oregon.
1455. Brown, Charles Joseph. Patterns of growth and seasonal changes in the concentrations of abscisic acid and indoleacetic acid in roots of western hemlock.
1456. Kraemer, James Fred. The long term effects of burning on plant succession.
1457. Sandstrom, Richard P. Incorporation of $^{15}\text{NO}_3$ into amino acids of Douglas-fir xylem sap.
1458. Snyder, Jeffrey Lee. Maturation of noble fir (*Abies procera*) and grand fir (*Abies grandis*) seed.

1971 - 1977 - Doctors

none

■ FORESTRY, GENERAL

SEE Forest Science Department

■ FORESTRY, SCHOOL OF

SEE Forest Engineering Department
Forest Management Department
Forest Products Department
Forest Science Department

■ GAME MANAGEMENT

SEE Animal Science Department
Fisheries and Wildlife Department

■ GENERAL SCIENCE DEPARTMENT

(includes: radiation biology,
radiological health,
radiological physics)

1971 - Masters

1459. Fitzsimmons, Charles Kenneth. Measurement of environmental gamma exposure by thermoluminescence dosimetry.
1460. Jordan, Neil Michael. The visual response of the purple shore crab, Hemigrapsus nudus, to ionizing and non-ionizing radiation.
1461. King, Keith Irl. Oxygen consumption by Dendroctonus pseudotsugae Hopkins.
1462. Sabharwal, Kanta. Investigations concerning a heat conduction problem involving a rectangular parallelepiped.

1972 - Masters

1463. Blaisdell, Muriel Louise. The coloration of animals: a nineteenth century controversy.
1464. Gile, Jay Dean. Zinc, copper and manganese in the razor clam, Siliqua patula.
1465. Kellner, JoEllen Gretzinger. Scattered radiation from bedside radiographic examinations.
1466. Squire, Douglas Richard. The Japanese oyster drill, Ocenebra japonica, in Netarts Bay, Oregon.

1973 - Masters

1467. Benson, Keith Rodney. John Turberville Needham (1713-1781) and eighteenth century theories of generation.
1468. Chase, Wallace Tousey. Patterns of energy utilization in the litter subsystem of a Douglas-fir forest.
1469. McCarthy, Joseph Edward. The distribution, substrate selection and sediment displacement of Corophium salmonis (Stimpson) and Corophium spinicorne (Stimpson) on the coast of Oregon.

1974 - Masters

1470. Cronan, James Zan. Heat energy exchange between the Killdeer, its eggs, and the environment.
1471. Kinch, Michael Paul. An assessment of rival British theories of biogeography, 1800-1859.
1472. Smith, Augustine Joseph. Applications of x-radiography in seed testing.

1473. Tomasovic, Stephen Peter. An autoradiographic study of cell renewal in a freshwater mussel, Margaritifera margaritifera, using high specific activity tritiated thymidine.

1975 - Masters

1474. Abbott, David Thomas. The effects of tritiated seawater on development of the goose barnacle Pollicipes polymerus.
1475. Allen, Marshall William. J. H. Woodger and the emergence of supra-empirical orders of discussion in early twentieth century biology.
1476. Robinson, Alfred Vern. Effect of cadmium on ceruloplasmin levels in the rat.
1477. Thomson, Bruce Edward. Response of natural microbial populations to ultraviolet irradiation in a simulated estuarine microcosm.
1478. Tyser, Robin W. Taxonomy and reproduction of Microtus canicaudus.
1479. Weil, James Wayne. Agonistic behavior in three species of Microtus (M. canicaudus, M. oregoni, and M. townsendii).

1976 - Masters

1480. Gilston, Richard Robert. Population dynamics of Microtus canicaudus.
1481. McBride, James Noland. Science at a Land Grant College: the science controversy in Oregon, 1931-1942, and the early development of the College of Science at Oregon State University.
1482. Vernier, David Lloyd. The solid state photochemistry and photophysics of a triphenylmethyl dye cyanide.

1977 - Masters

1483. Diamond, Jerome Mark. The population dynamics and reproductive strategy of the snail Oxytrema silicula (Gould) in relation to stream order.
1484. Lei, Wayne. The uptake and retention of cesium-134 in Microtus canicaudus Miller.
1485. Pond, Finn Richard. Effects of dietary selenium and vitamin E on the gray-tailed vole (Microtus canicaudus).

1971 - Doctors

1486. Barone, Gregory Joseph. A comparative study of the dose distribution for three-phase and single-phase x-ray equipment.
1487. Clark, Ervil Delwyn. Reactions of the sea anemone, Anthopleura xanthogrammica, to electromagnetic radiations in the visible, ultraviolet, and x-ray ranges.
1488. Chorzempa, Sister Mary André. Ionizing radiation and its chemical effects: a historical study of chemical dosimetry (1902-1962).
1489. Dedrick, Millridge Cornelius. The prompt responses of the sea urchin, Strongylocentrotus purpuratus, to ionizing radiation.

1490. Hodge, Frederick Allen. The relationship of lysosomal stability to radiation-induced delay of cell division in Tetrahymena pyriformis.
1491. Knaus, Ronald Mallen. The fate of fluoride and the effect of fluoride upon glucose metabolism in intact rats.
1492. Lipparelli, Michael Arthur. The GEK signatures of lowest mode internal waves.
1493. Panshin, Daniel Alexis. Albacore tuna catches in the Northeast Pacific during summer 1969 as related to selected ocean conditions.
1494. Ryan, William Charles. The chromosomes of ten species in the avian order Charadriiformes.
1495. Siwamogsatham, Boonsong. Nuclear level structure of ^{101}Ru from the 14.0 minute ^{101}Tc decay.
1496. Wallace Jr., William John. The development of the chlorinity-salinity concept in oceanography.
1497. Weierich, André Jean. The relationship of Teilhard de Chardin's law of complexity/consciousness to the mechanism/vitalism debate in biology.

1972 - Doctors

1498. Bolen, John Joseph. Seasonal concentration, turnover and mode of accumulation of ^{32}P by the juvenile starry flounder Platichthys stellatus (Pallas) in the Columbia River Estuary.
1499. Braby, Leslie Alan. Ionization in microscopic volumes irradiated by energetic photons.
1500. Martinsen, David Linnebach. A study of selected behavioral and electrophysiological responses of carpenter ants (Camponotus) to ionizing radiations.
1501. Matson, Adrian Luther. Zooplankton and hydrography of Alsea Bay, Oregon, September 1966 to September 1968.
1502. Pearson, John Philip. The influence of behavior and water requirements on the distribution and habitat selection of the gray-tailed vole (Microtus canicaudus) with notes on Microtus townsendii.
1503. Mellinger, Peter Jon. The comparative metabolism of cadmium, mercury and zinc as environmental contaminants in the freshwater mussel, Margaritifera margaritifera.
1504. Mitchell, Roderic Jamie. An analysis of the vegetation of Abbott Creek Natural Area, Oregon.
1505. Ramm, Alan Edmund. Some aspects of the sulfur cycle in tidal flat areas, and their impact on estuarine water quality.
1506. Sweat, Sister Jean. Metabolic adaptations of the marine gastropod Thais emarginata.
1507. Wolff, Darold Melvin. Isolation and partial characterization of temperature sensitive division mutants of Chlamydomonas reinhardtii.

1973 - Doctors

1508. Tucker, Stevens Parrington. Measurements of the absolute volume scattering function for green light in southern California coastal waters.

1974 - Doctors

1509. Malik, Arthur John. A study of the excited states of ^{30}P using the reaction $^{29}\text{Si}(\text{p},\gamma)^{30}\text{P}$.
1510. Watson, Charles Ross. An interactive computer graphics system applied to the life sciences.

1975 - Doctors

1511. Bell, Walter Lyle. Charles Babbage, philosopher, reformer, inventor; a history of his contributions to science.
1512. Vogt, Judith C. Histogenesis of fetal rat lung and liver after x-irradiation in organ culture and in utero.
1513. Worrest, Robert Charles. Effects of enhanced mid-ultraviolet radiation (290-315 NM) on development and survival of Boreal toad (Bufo boreas boreas) tadpoles.

1976 - Doctors

1514. Gruber, Helen Elizabeth. X-ray and proton induced ultrastructural changes in Chlamydomonas reinhardtii, with special reference to the dividing cell.
1515. Karr, Don John. A quantitative method for using an inventory of the soil and water resources of the state of Oregon to determine human population carrying capacities for two acceptable qualities of life.
1516. McGraw, Donald Jesse. The antibiotic discovery era (1940-1960): vancomycin as an example of the era.
1517. Rodriguez, Adrian. Behavioral and electrophysiological evidence for the mechanisms involved in the detection of ionizing radiations by the crayfish Pacifastacus trowbridgii.

1977 - Doctors

1518. Clarke, Margaret Jackson. The federal government and the fixed nitrogen industry, 1915-1926.
1519. Filipy, Ronald Elmer. The influence of ionizing radiation, photoperiod, and environmental temperature on cell proliferation in the intestinal epithelium of the rough-skinned newt (Taricha granulosa).

■ GENERAL STUDIES

SEE Interdisciplinary Studies

■ GENETICS

1971 - Masters

none

1972 - Masters

1520. Edwards, Thomas Allen. A clinical and genetic study of tuberous sclerosis.

1973 - Masters

1521. Boyd, Steven Michael. Genetic-protein level interaction in growth and carcass traits of market hogs.

1974 - Masters

1522. Liu, Lillian Ling-ling. Relationship of inbreeding to heterosis in swine.

1975 - 1977 - Masters

none

1971 - Doctors

1523. Blanks, George Anthony. A morphological, physiological and genetic investigation of the African pygmy goat.
1524. Jones, William Elvin. The relationship between x-ray induced teratogeny and chromosome aberrations in golden hamster embryos.
1525. Legge, Allan Herbert. The gene-ecology of Crepis nana Richardson and Crepis elegans Hooker in Arctic and Alpine North America.

1972 - Doctors

1526. Eftekhari-Shahroudi, Feridoun. Genetic analysis of maternal ability and evaluation of some environmental factors affecting preweaning performance of beef cattle.
1527. Helm, James Henry. Chemical and genetic evaluation of high lysine and protein in selected barley crosses.
1528. Jones, Donald Dean. Influence of chelating agents on cytological exchanges and genetic recombination in Zea mays L.
1529. West, Dennis Errol. Hormonal stimulation of breeding activity in different genetic groups of ewe lambs.

1973 - Doctors

1530. Lind, Ronald Egnard. Actual and predicted response to selection on maternally influenced traits in the mouse.

1974 - Doctors

1531. Burrill, Melinda Jane. An analysis of the response to selection for high and low rate of gain in the mouse, Mus musculus.
1532. Lockwood, Lloyd James. Immunoelectrophoretic techniques used for systematic investigation.
1533. Simms, Danny Dale. Genetic and physiological relationships of growth hormone and growth in goats.
1534. Worthington, David Hansen. Hydroxyurea: physiological effects on Tetrahymena pyriformis and use in cell cycle analysis.

1975 - Doctors

1535. Garret, Anthony John. Comparison of the reassociation and hybridization properties of the DNAs of several species of fish.

1976 - Doctors

1536. Brokaw, Bryan Edward. Serum T₄ and liver NAD and NADP as performance indicators in beef cattle.
1537. Shreffler, Carol Kauffman. Temporal maternal behavior patterns in two inbred lines of mice and reciprocally cross-fostered individuals.

1977 - Doctors

1538. Kray, Roger LeRoy. Association of genetically determined polymorphic blood components with prolificacies of purebred and crossbred pigs.

■ GEOGRAPHY DEPARTMENT

(includes: recreation, resource, physical, and economic geography)

1971 - Masters

1539. Thomason, Dennis Richard. Problems associated with changing land tenure in the Calapooia Drainage Basin.

1972 - 1976 - Masters

none

1977 - Masters

1540. Niem, Wendy Adams. Drainage basin morphology in the Central Coast Range of Oregon.
1541. Roberts, Rebecca S. An evaluation of agricultural lands for acquisition and consolidation: the Umatilla Indian Reservation.

1971 - Doctors

1542. Hollingshead, Anne Huston. A systems analysis model for minimizing the flow of biotically productive land into irreversible uses.

1972 - Doctors

none

1973 - Doctors

1543. Aldrich, Frank Thatcher. A chorological analysis of the grass balds in the Oregon Coast Range.
1544. Crocker, Marvin Dale. The evolution of Mexican forest policy and its influence upon forest resources.
1545. Gary, Don Leon. A geographical systems analysis of the commercial crawfish industry in south Louisiana.
1546. Zinn, Jeffrey Arthur. Analysis of resident property owner perception of resources and the management system of Siletz Bay Estuary, Oregon.

1974 - Doctors

1547. Anderson, David Lawrence. A search for solutions to conflicting demands of outdoor recreation in the Oregon dunes coastal environment.
1548. Blok, Jack H. The evolution of agricultural resource use strategies in the Willamette Valley.
1549. Emmer, Rod Edwin. The problems and issues of implementing the National Flood Insurance Act in Oregon.
1550. Frost, Marvin Donald. A biogeographical analysis of some relationships between man, land, and wildlife in Belize (British Honduras).
1551. Mouat, David Anthony. Relationships between vegetation and terrain variables in south-eastern Arizona.
1552. Rense, William Childs. Weather as an influencing factor in the use of Oregon's coastal recreation areas.
1553. Terich, Thomas Anthony. Bayocean Spit, Tillamook, Oregon; early economic development and erosion history.
1554. Weinkauff, Ronald Albert. The Columbia Basin project, Washington: concept and reality, lessons for public policy.

1975 - Doctors

1555. Aron, Robert Henry. Chilling as a factor in crop location with particular reference to deciduous orchards in California.
1556. Boland, Dale Herold Patrick. An evaluation of the Earth Resources Technology Satellite (ERTS-1) multispectral scanner as a tool for the determination of lacustrine trophic state.
1557. Brugo, Mary L. The distribution, utility and demand of riverfront land on the Oregon shore of the Lower Columbia River.
1558. Eilers III, Hio Peter. Plants, plant communities, net production and tide levels; the ecological biogeography of the Nehalem salt marshes, Tillamook County, Oregon.

1976 - Doctors

1559. Ottum, Margaret Grace. Changing patterns in the production and consumption of residual fuel oil in the United States, 1940-1972.
1560. Vuk, Melvin Marvin. The role and policy implications of selected external factors as applied to the developmental patterns of five Wyoming fuels.

1977 - Doctors

1561. Kennedy, James B. The Umatilla Indian Reservation, 1855-1975: factors contributing to a diminished land resource base.
1562. Mairs, John William. Plant communities of the Steens Mountain subalpine grassland and their relationship to certain environmental elements.
1563. Mukerrji, Deipica Bagchi. Land tenure changes in Madhya Pradesh, India; process and effects, 1950-1970.

1564. Pfister, Robert Emil. Models relating camping to river terrace characteristics along the Rogue Scenic Waterway.
1565. Quinn, Robert. The late spring secondary precipitation maximum in the interior Pacific Northwest.
1566. Updegraff, Nancy A. The evolution between 1935 and 1965 of federal legislation to control water pollution and its relationship to water quality regulation in the Lower Columbia river.

■ GEOLOGICAL OCEANOGRAPHY

(includes: the study of sediments and tectonics)

1971 - Masters

1567. Muehlberg, Gary Edward. Structure and stratigraphy of tertiary and quaternary strata Heceta Bank, Central Oregon shelf.
1568. Nelsen, Terry Allen. Density separation of clay minerals.
1569. Stanford, Harold Milford. The concentration and oxidation state of chromium in sea water.

1972 - Masters

1570. Dauphin, Joseph Paul. Size distribution of chemically extracted quartz used to characterize fine-grained sediments.
1571. Ellis, David Burl. Holocene sediments of the South Atlantic Ocean: the calcite compensation depth and concentrations of calcite, opal and quartz.
1572. Ness, Gordon Everett. The structure and sediments of Surveyor Deep-Sea Channel.
1573. Oser, Robert Keith. Textural analysis of fine-grained sediments of the Northwest Pacific.

1973 - Masters

1574. Kowsmann, Renato Oscar. Surface sediments of the Panama Basin: coarse components.

1974 - Masters

1575. Baumgartner, Timothy Robert. Tectonic evolution of the Walvis Ridge and West African margin, South Atlantic Ocean.
1576. Eklund, William Alan. A microprobe study of metalliferous sediment components.
1577. Kendrick III, John William. Trace element studies of metalliferous sediments in cores from the East Pacific Rise and Bauer Deep, 10°S.
1578. Pisas, Nicklas George. Model of late Pleistocene-Holocene variations in rate of sediment accumulation: Panama Basin, eastern equatorial Pacific.
1579. Prince, Roger Allan. Deformation in the Peru Trench, 6°-10°S.
1580. Rosato, Victor Joseph. Peruvian deep-sea sediments: evidence for continental accretion.

1975 - Masters

1581. Clark, James Gregory. Age, chemistry, and tectonic significance of Easter and Sala y Gomez Islands.
1582. Rea, Campbell Cary. The erosion of Siletz Spit, Oregon.

1976 - Masters

1583. Dowding, Lynn Gretton. Sedimentation within the Cocos Gap, Panama Basin.
1584. Leinen, Margaret. Biogenic silica sedimentation in the central equatorial Pacific during the Cenozoic.
1585. Lizarraga Arciniega, Jose Roman. Shoreline changes due to jetty construction on the Oregon coast.
1586. Masias Echegaray, Juan Antonio. Morphology, shallow structure, and evolution of the Peruvian continental margin, 6° to 18°S.
1587. Molina-Cruz, Adolfo. Paleo-oceanography of the subtropical southeastern Pacific during late Quaternary: a study of radiolaria, opal and quartz contents of deep-sea sediments.
1588. Schweller, William John. Chile trench: extensional rupture of oceanic crust and the influence of tectonics on sediment distribution.
1589. Swift, Stephen Atherton. Holocene accumulation rates of pelagic sediment components in the Panama Basin, Eastern Equatorial Pacific.

1977 - Masters

1590. Aguilar Tuñón, Nicolás Antonio. Beach profile changes and onshore-offshore sand transport on the Oregon coast.
1591. Brewster, Nancy Ann. Cenozoic biogenic silica sedimentation in the Antarctic Ocean, based on two deep sea drilling project sites.
1592. McKinney, Barbara Ann. The spring 1976 erosion of Siletz Spit, Oregon, with an analysis of the causative wave and tide conditions.
1593. Toth, John Robert. Deposition of submarine hydrothermal manganese and iron, and evidence for hydrothermal input of volatile elements to the ocean.
1594. Wenkam, Chiye. Late Quaternary changes in the oceanography of the eastern tropical Pacific.

1971 - Doctors

1595. Spigai, Joseph John. Marine geology of the continental margin off southern Oregon.

1972 - Doctors

1596. Bowman Jr., Kenneth Charles. Sedimentation, economic enrichment and evaluation of heavy mineral concentrations on the southern Oregon continental margin.
1597. Gunther, Fredrick John. Statistical foraminiferal ecology from seasonal samples, central Oregon continental shelf.

1598. Harlett, John Charles. Sediment transport on the northern Oregon continental shelf.

1973 - Doctors

1599. Scheidegger, Kenneth Fred. Temperatures and compositions of magmas ascending beneath actively spreading midocean ridges.

1974 - Doctors

1600. Dinkelman, Menno Gustaaf. Late Quaternary radiolarian paleo-oceanography of the Panama Basin, eastern equatorial Pacific.
1601. Phipps, James Benjamin. Sediments and tectonics of the Gorda-Juan de Fuca plate.

1975 - Doctors

1602. Malfait, Bruce Terry. The Carnegie Ridge near 86°W.; structure, sedimentation and near bottom observations.
1603. Rea, David Kennerson. Tectonics of the East Pacific Rise, 5° to 12°S.

1976 - Doctors

1604. Gaughan, Michael Kenneth. Prediction of breaker type and measurement of surf-bore on an ocean beach.

1977 - Doctors

1605. Sancetta, Constance Antonina. Oceanography of the north Pacific during the last 18,000 years derived from fossil diatoms.

■ GEOLOGY DEPARTMENT

1971 - Masters

1606. King, John Robert. The geology of the southeastern Cuddy Mountain district, western Idaho.
1607. Moran, John Lee. Structure and stratigraphy of the Sheep Mountain area, Centennial Range, Montana-Idaho.
1608. Peters, James Franklin. Stratigraphy and structure of the Rock Creek area, Beaverhead County, Montana.
1609. Rowe, Winthrop Allen. Geology of the south-central Pueblo Mountains, Oregon-Nevada.

1972 - Masters

1610. Graichen, Ronald Edward. Geology of a northern part of the Pine Forest Mountains, northwestern Nevada.
1611. Packard Jr., John Alden. Paleoenvironments of the Cretaceous rocks, Gabriola Island, British Columbia.
1612. Rohr, David Malcolm. Geology of the Lovers Leap area, China Mountain Quadrangle, California.
1613. Tower, Dennis Brian. Geology of the central Pueblo Mountains, Harney County, Oregon.
1614. Zdanowicz, Ted Andrew. Stratigraphy and structure of the Horseshoe Gulch area, Etna and China Mountain quadrangles, California.

1973 - Masters

1615. Axelsen, Claus. Pennsylvanian stratigraphy in South-Central Idaho and adjacent areas.
1616. Goodwin, Clinton John. Stratigraphy and sedimentation of the Yaquina formation, Lincoln County, Oregon.
1617. Harrold, Jerry Lee. Geology of the North-Central Pueblo Mountains, Harney County, Oregon.
1618. Murray, Clyde Leonard. Structure and stratigraphy of the Jefferson Mountain Area Centennial Range, Idaho-Montana.
1619. Rinne, Richard Wyman. Geology of the Duke Point-Kulleet Bay area, Vancouver Island, B.C.
1620. Simmons, Michael Lee. Stratigraphy and paleoenvironments of Thetis, Kuper and adjacent Islands, British Columbia.
1621. Smith, Roy Edward. Taxonomy and ecology of atrypella spp. and the atrypella community.
1622. Utterback, William Carl. The geology and mineral deposits of Eden Valley-Saddle Peaks and vicinity, southeastern Coos and northeastern Curry Counties, Oregon.

1974 - Masters

1623. Cressy Jr., Frank Beecher. Stratigraphy and sedimentation of the Neahkahnie Mountain - Angora Peak area, Tillamook and Clatsop Counties, Oregon.
1624. Harle, David Sig. Geology of Babyshoe Ridge Area, Southern Cascades, Washington.
1625. Niebuhr II, Walter Ward. Paleocology of the Eurekaspirifer pinyonensis zone, Eureka County, Nevada.
1626. Porter, Richard Woods. Geology of the Facey Rock area, Etna Quadrangle, California.
1627. Skurla, Steven John. Geology of the Sturgill Peak Area, Washington County, Idaho.
1628. White, Richard Eugene. Stratigraphy and structure of the Cedar Creek area of the Madison Range, Madison County, Montana.

1975 - Masters

1629. Franklin, Wesley Earlylyne. Structural significance of meta-igneous fragments in the Prairie Mountain area, North Cascade Range, Snohomish County, Washington.
1630. Hales, Peter Owen. Geology of the Green Ridge area, Whitewater River Quadrangle, Oregon.
1631. Hudson, Jon Park. Stratigraphy and paleoenvironments of the Cretaceous rocks, North and South Pender Islands, British Columbia.
1632. Kendall, George Warner. Some aspects of lower and middle Devonian stratigraphy in Eureka County, Nevada.
1633. Smith, Thomas Neil. Stratigraphy and sedimentation of the Onion Peak area, Clatsop County, Oregon.
1634. Trauba, William Charles. Petrography of pre-Tertiary rocks of the Blue Mountains, Umatilla County, northeast Oregon.

1976 - Masters

1635. Carter, James Warren. Environmental and engineering geology of the Astoria Peninsula Area Clatsop County, Oregon.
1636. Dyhrman, Richard F. Geology of the Bagby Hot Springs area, Clackamas and Marion Counties, Oregon.
1637. Johnson, Floyd Raymond. Geology of the Quartzburg Mining District, Grant County, Oregon.
1638. Long, Roney Claude. Geology and mineral deposits of the Red Ledge Mine area, Adams County, Idaho.
1639. Neel, Robert Holmes. Geology of the Tillamook Head - Necanicum Junction area, Clatsop County, northwest Oregon.
1640. Potter, Eric Chapple. Paleozoic stratigraphy of the northern Hot Creek Range, Nye County, Nevada.
1641. Rollins, Anthony. Geology of the Bachelor Mountain area, Linn and Marion Counties, Oregon.
1642. Shorey, Edwin Forrest. Geology of part of southern Morrow County, northeast Oregon.
1643. Sturdavant, Charles David. Sedimentary environments and structure of the Cretaceous rocks of Saturna and Tumbo Islands, British Columbia.
1644. Tolson, Patrick Marion. Geology of the Seaside-Young's River Falls area, Clatsop County, Oregon.
1645. Tucker, Elizabeth Ruth. Geology and structure of the Brothers Fault Zone in the central part of the Millican SE Quadrangle, Deschutes County, Oregon.

1977 - Masters

1646. Carter, Jack Melton. The stratigraphy, structure, and sedimentology of the cretaceous Nanaimo group, Galiano Island, British Columbia.
1647. Cox, Gregory Michael. Bedrock geology of the Connor Creek area, Baker County, Oregon.
1648. Greenman, Celia. Stratigraphy of the silurian and devonian rocks, Northwestern Pend Oreille County, Washington.
1649. Hammitt, Jay Wayne. Geology, petrology, and mineralization of the Paisley Mountains plutonic complex, Lake County, Oregon.
1650. Milnes, Peter Treadwell. Structural geology and metamorphic petrology of the Illabot Peaks area, Skagit County, Washington.
1651. Nachman, Daniel Alexander. Geology of the Duzel Rock area, Yreka Quadrangle, California.
1652. Penoyer, Peter Ellis. Geology of the Saddle and Humbug Mountain area, Clatsop County, northwestern Oregon.
1653. Stickney, Roger Barton. Sedimentology, stratigraphy, and structure of the late cretaceous rocks of Mayne and Samuel Islands, British Columbia.
1654. Wise, Diane. Paleozoic geology of the Dobbin Summit - Clear Creek area, Monitor Range, Nye county, Nevada.

1971 - Doctors

1655. Bruce, Wayne Royal. Geology, mineral deposits, and alteration of parts of the Cuddy Mountain district, western Idaho.
1656. Davenport, Ronald Edmond. Geology of the rattlesnake and older ignimbrites in the Paulina Basin and adjacent area, central Oregon.
1657. Elliott, Monty Arthur. Stratigraphy and petrology of the late cretaceous rocks near Hilt and Hornbrook, Siskiyou County, California, and Jackson County, Oregon.
1658. McKnight, Brian Keith. Petrology and sedimentation of cretaceous and eocene rocks in the Medford-Ashland region, southwestern Oregon.
1659. Van Atta, Robert Otis. Sedimentary petrology of some tertiary formations, Upper Nehalem River Basin, Oregon.

1972 - Doctors

1660. Carlton, Richard Walter. Stratigraphy, petrology, and mineralogy of the Colestin Formation in southwest Oregon and northern California.
1661. Lidstrom Jr., John Walter. A new model for the formation of Crater Lake Caldera, Oregon.

1973 - Doctors

1662. Jarman, Clara Birchak. Clay mineralogy and sedimentary petrology of the cretaceous Hudspeth formation, Mitchell, Oregon.

1974 - Doctors

1663. Parker, Donald James. Petrology of selected volcanic rocks of the Harney Basin, Oregon.
1664. Rooth, Guy Harlan. Biostratigraphy and paleoecology of the Coaledo and Bastendorff Formations, southwestern Oregon.

1975 - Doctors

1665. Flory, Richard Aerts. Devonian tabulate corals of the Great Basin.
1666. Henriksen, Thomas Alva. Geology and mineral deposits of the Mineral-Iron Mountain District, Washington County, Idaho, and a metallized zone in Western Idaho and Eastern Oregon.
1667. Isaacson, Peter Edwin. Devonian stratigraphy, paleobathymetry and brachiopod paleontology of Bolivia.
1668. Jones, Michael B. Hydrothermal alteration and mineralization of the Valley Copper Deposit, Highland Valley, British Columbia.

1976 - Doctors

1669. Hanson, William Bruce. Stratigraphy and sedimentology of the Cretaceous Nanaimo group, Saltspring Island, British Columbia.
1670. Smith, Roy Edward. Lower Devonian (Lochkovian) brachiopods, paleoecology, and biostratigraphy of the Canadian arctic islands.

1977 - Doctors

1671. Vail, Scott Garret. Geology and geochemistry of the Oregon mountain area, southwestern Oregon and northern California.

GEOPHYSICS & GEOPHYSICAL OCEANOGRAPHY

(includes: studies of gravity, convection, geothermal resources, and the magnetic field)

1971 - Masters

1672. Kim, So Gu. On the multipole expansion in the computation of gravity anomalies.
1673. Lu, Richard Shih-ming. Magnetic and gravity interpretation of Yaloc-69 data from the Cocos plate area.

1972 - 1973 - Masters

none

1974 - Masters

1674. Barday, Robert James. Structure of the Panama Basin from marine gravity data.
1675. Eggers, Dwight Edward. Downward continuation and transformation of potential fields with application to marine magnetic anomalies.
1676. Goebel, Vaughn. Modeling of the Peru-Chile trench from wide-angle reflection profiles.
1677. Gumma, William Harold. An interpretation of the gravity and magnetic anomalies of the Rivera fracture zone, eastern Pacific Ocean.
1678. Tang, Rex Wai-yueh. Geothermal exploration by telluric currents in the Klamath Falls area, Oregon.

1975 - Masters

none

1976 - Masters

1679. Hassanzadeh, Siamak. Determination of depth to the magnetic basement using maximum entropy with application to the northern Chile trench.
1680. Jones III, Paul Roy. Microearthquake studies of the Blanco fracture zone and Gorda Ridge using Sonobuoy arrays.
1681. Lynn, Walter Stanley. A geophysical analysis of the Orozco fracture zone and the tectonic evolution of the northern Cocos plate.
1682. Victor, Linda. Structures of the continental margin of Central America from northern Nicaragua to northern Panama.
1683. Woodcock, Stephen Frederick. Crustal structure of the Tehuantepec Ridge and adjacent continental margins of southwestern Mexico and western Guatemala.

1977 - Masters

1684. Huehn, Bruce. Crustal structure of the Baja Peninsula between latitudes 22° N and 25°N.
1685. Lillie, Robert James. Subsurface geologic structure of the Vale, Oregon, known geothermal resource area from the interpretation of seismic reflection and potential field data.

1971 - Doctors

none

1972 - Doctors

1686. Adotevi-Akue, George Modesto. On the numerical interpretation of gravity and other potential field anomalies caused by layers of varying thickness.
1687. Johnson, Stephen Hans. Crustal structures and tectonism in southeastern Alaska and western British Columbia from seismic refraction, seismic reflection, gravity, magnetic, and microearthquake measurements.
1688. Lowell, Robert Paul. An approach to thermal convection problems in geophysics with application to the earth's mantle and ground water systems.

1973 - Doctors

none

1974 - Doctors

1689. Isaacson, Laurie Brown. Paleomagnetism and secular variation of Easter Island basalts.
1690. Lu, Richard Shih-ming. Perturbation methods in geophysics and oceanography.

1975 - Doctors

1691. MacFarlane, William Thomas. Long wavelength gravity anomalies and implications concerning a descending lithospheric slab in the Pacific Northwest.

1976 - Doctors

1692. Eggers, Dwight Edward. Analytical and numerical continuation methods for conductive temperature fields.
1693. Whitsett, Robert Manning. Gravity measurements and their structural implications for the continental margin of southern Peru.

1977 - Doctors

none

■ GERONTOLOGY

SEE Adult, Community College, and Community Education
Family Resource Management Department
Foods and Nutrition
Recreation Education (Guadagnolo, Frank Bernard #2225)

■ GUIDANCE

SEE Counseling and Guidance

■ HEALTH AND PHYSICAL EDUCATION, SCHOOL OF

SEE Health Education
Physical Education (School of Education)

■ HEALTH EDUCATION

SEE ALSO Physical Education (School of Education)

1971 - Masters

none

1972 - Masters

1694. Glenn, Wayne Holton. Isometric fatigue curves of elbow flexors and extensors.
1695. Parker, Raymond Phillip. An evaluation of two sanitary food service manuals in educating Oregon State University food service workers.

1973 - Masters

1696. Brock, Michael Steven. Self-evaluation of secondary school health teachers as compared to classroom student evaluation of the same teachers.
1697. Monsen, William Arthur. Response of knee extensor and flexor muscles to a repeated maximal isometric task.

1974 - Masters

1698. Pedersen, Donald Martin. The effects of bicycling on specific anthropometric and physiological measures: two case studies.
1699. Sampson, Paula Ellen. A study of the expressed concerns, feelings, and needs of expectant fathers.

1975 - Masters

1700. Breese, John David. A comparison of a smoking and nonsmoking population using the forced expiratory flow in the seventy-five to eighty-five percent segment of the spirometric curve.

1976 - Masters

1701. Eddy, Victoria Jean. Development of a supervisor's manual for employee training in sanitary food production in the frozen fruit and vegetable industry.
1702. Miller, John Edward. The development of a procedural manual for sanitary landfill leachate analysis in a field environment.

1977 - Masters

1703. Carter, Francis Carle. An evaluation of individual water supply systems' reference materials as available in local health departments in Oregon.
1704. Niemie, Debra Ardell. Guidelines for curriculum development in the preparation of health education specialists in health-care delivery settings.

1971 - Doctors

none

1972 - Doctors

1705. Antone Jr., Eugene Joseph. A study of the relationship of the use of various drugs to the visual-motor performance of college students.
1706. Barr, Robert Douglas. Pulmonary function of male cigarette smokers compared with lifetime noncigarette smokers.
1707. Laitakari, Jukka Kalevi. Development of a model to predict behavioral intentions about personal health practices.
1708. Rhodes, Ronald Leslie. A comparison of fatigue induction under paretic and non-paretic conditions.

1973 - Doctors

1709. Bates, Ralph Carson. A comparison between educable mentally retarded and normal students, using selected social and environmental variables.
1710. Behunin, Oral. An evaluation of the professional preparation of health teachers in selected Oregon high schools.
1711. Maughan, Richard Leishman. The effects of phonocardiogram screening and cardiologist follow-up procedures on delabeled cardiac patients among school-age children.
1712. Terhune, James Albert. The effect of age, sex and eye-hand coordination on the ability to predict the readiness of elementary students to learn an effective dental flossing technique.

1974 - Doctors

1713. Travis, Harold Richard. Identification of the role of the physician's assistant in Oregon utilizing the Delphi technique.

1975 - Doctors

1714. Asan, Virginia Marie. Carl L. Anderson; life and contributions to public health and health education.
1715. Karren, Keith John. The immediate effect of the inside/out health film program upon self-concept development of fifth-grade students.
1716. Shirley, Ruth Eloise. Client-outcome program evaluation and functional role analysis in a community mental health clinic.
1717. Templin, Paul Hans. Expert opinion regarding program activities and resources leading to and supporting districtwide, comprehensive school health instruction programs.

1976 - Doctors

1718. Schultz, Ronald Calvin. The effect of indoor aquatic activities on health patterns of the college student.
1719. Yeh, Fa-jaw. A comparative analysis of the health knowledge and health interests derived from different curricular patterns at the junior high school level.

1977 - Doctors

1720. Emiola, Monsuru Lasun. Effects of physical activity and nutrition on bone density measured by radiographic techniques.

■ HIGHWAY ENGINEERING

SEE Civil Engineering Department

■ HISTORY OF SCIENCE

SEE General Science Department

■ HOME ECONOMICS, SCHOOL OF

SEE Clothing, Textiles and Related Arts Department

Family Life Department

Family Resource Management Department

Foods and Nutrition Department

Home Economics Education

■ HOME ECONOMICS EDUCATION

1971 - Masters

1721. Brown, Paula Jo. Development of a programmed instructional unit on interacting with children for use in homemaking and occupational education.
1722. Campbell, Ruby Lorna. Development of self-instructional materials for learning beginning sewing skills.
1723. Cook, Nancy Louise. Development of a family clothing resource unit for high school senior girls.
1724. Montag, Virginia Lee. Development of a unit for teaching boys family life education.
1725. Stanwood, Linda Kay. Attitudes and beliefs of Oregon State University home economics student teachers and cooperating teachers toward the responsibilities of cooperating teachers.

1972 - Masters

1726. Baker, Linda Jean. Development of case studies focusing on engagement and early marriage for use in family life education.
1727. Burke, Diane Ruth. Oregon home economics occupational teachers' beliefs concerning education and preparation needed by teachers.
1728. Eddy, Shirley Kathryn. Guidelines for adapting a home economics curriculum to minimum facilities within a standard non-laboratory classroom.
1729. Jacobson, Annette Jane. Development of a resource unit for teaching consumer education.
1730. Jaksch, Carol Anne. Recommendations for adult education based on consumer problems of aged citizens in Corvallis, Oregon.
1731. Nyberg, Sandra Merrill. Development of guidelines for the use of auxiliary personnel in home economics education programs.

1973 - Masters

1732. Hutcherson, Frankye Mackey. Attitudes of eighth grade girls toward homemaking classes in Washington Junior High School, Pasadena, California.
1733. Post, Colleen Marie. Suggested learning experiences for beginning clothing construction based on the beliefs of Oregon home economics teachers.
1734. Stubbs, Yvonne Marie. A resource guide for a late junior or early senior high school unit on family responsibilities integrating industrial arts and homemaking.
1735. Taylor, Carolyn Diane. Requisite family living competencies for high school graduates of Oregon, as perceived by participants of public health prenatal classes.
1736. Winter, Dora Jane. A proposed in-service program for cooperating teachers based on a study of Oregon State University home economics cooperating teachers.
1737. Winters, Leona Claire. Developing and testing a self-instruction unit in parent education.

1974 - Masters

1738. Tarasawa, Constance Jean Sherlock. Developing teaching techniques for the intellectual development of preschool children for use by teachers in child care service programs.

1975 - Masters

1739. Clausen, Neva Cannon. A descriptive summary of budgeting procedures used by public school homemaking teachers in Oregon.
1740. Field, Melody Ann. Developing a learning package that will help high school home economics students develop their creative potential.

1976 - Masters

1741. Hotchkiss, Kristie Marie. The identification of competencies and criteria required of home economics teachers in clothing and textiles.
1742. Johnson, Virginia Ann. Competencies and characteristics of child care aides assessed by child care center directors and child development specialists.

1977 - Masters

1743. Six, Krista Lee. The identification of competencies and criteria required of home economics teachers in the area of foods.

1971 - 1977 - Doctors

none

■ HOME MANAGEMENT

SEE Family Resource Management Department

■ HORTICULTURE DEPARTMENT

1971 - Masters

none

1972 - Masters

1744. Subhanij, Thiravira. Techniques and media for excised tip culture of vinifera cultivars.

1973 - Masters

1745. Hatch, Duane Leroy. Effects of plant population on plant characteristics and yield of bush snap beans.
1746. Toya, Dan K. The inheritance of volatile alcohols associated with frozen bush snap beans.

1974 - Masters

1747. Axford, Martin Allin. The effect of rootstock and scion on cherry tree mineral nutrition.
1748. Gray, Kim Diane. Initiation and development of *Lilium longiflorum* Thunb. bulb scales affected by temperature and daylength.
1749. Wivutvongvana, Manee. Developmental anatomy of *Phaseolus vulgaris* L. as influenced by temperature.

1975 - Masters

1750. Geddeda, Yosef Ibrahim. The effects of lime and potassium on mineral uptake in filberts (*Corylus avellana* L. cv Barcelona) grown in pot culture.
1751. Kwong, Francis Y. The translocation of ethephon and its physiological effects on the filbert (*Corylus avellana* L.) during husk senescence.
1752. Moss, Joe Dick. The effects of plant population and nitrogen on sweet corn yields.

1976 - Masters

none

1977 - Masters

1753. Becwar, Michael Ryan. Frost resistance of pea genotypes (*Pisum sativum* L.) grown in the field on ground level and raised beds, and under controlled laboratory conditions.
1754. Collins, Margaret Dorothy. Delay of anthesis in 'Bartlett' and 'Bosc' pears (*Pyrus communis*) by evaporative cooling.
1755. Hubert, Gregory Earl. Vegetative propagation of the filbert (*Corylus avellana* L.) by means of budding and cuttings.
1756. Hughes, Megan. The influence of mycorrhizae on the mineral nutrient content of strawberries and red raspberries.
1757. Tvergyak, Paul Joseph. Harvest maturity indices of sweet cherries for brining.

1971 - Doctors

1758. Williams, Clarence Frank. Interaction of crop plant population with weed competition in corn (*Zea mays* L.), bush snap beans (*Phaseolus vulgaris* L.), and onion (*Allium cepa* L.) at differing stages of development.

1972 - Doctors

1759. Dimalla, Gerald George. Physiological effects, distribution and metabolism of dimethyl sulfide in DMSO treated seed potato tubers (Solanum tuberosum L.).
1760. Mosley, Alvin Ray. Responses of the bush snap bean (Phaseolus vulgaris L.) to population density and planting arrangement.
1761. Sabharwal, Sudarshan Lal. Response of strawberry plants to manganese nutrition.

1973 - Doctors

1762. Black, Darvil Kim. Influences of shoot origin and certain pre- and post-severance treatments on the rooting and growth characteristics of Douglas-fir (Pseudotsuga menziesii (Mirb.) Franco) stem cuttings.

1974 - Doctors

1763. Akrotanakul, Wanee. The inheritance of axillary heading in cabbage, Brassica oleracea var. capitata L. and its response to plant spacing, fertilizer and transplanting.
1764. Bhella, Harbans Singh. Root initiation and elongation in Douglas-fir, Pseudotsuga menziesii (Mirb.) franco, stem cuttings as related to bud and cambial activity.
1765. Pollak, Tomas. The response of beans to fluorodifen as affected by light and other factors.
1766. Sauser, Jerry Drew. Effects of varying levels of nitrogen and zinc on growth and nutrient composition of the sweet cherry (Prunus avium L.).

1975 - Doctors

1767. Thorsen, Jack Arlen. Techniques for studying the effects of various cropping systems on the germination of buried weed seeds.

1976 - Doctors

1768. Hansen, Leon Afton. The inheritance of ten quantitative characteristics in sweet corn (Zea Mays L.).
1769. Hotze, Mary Louise. Indicators of deciduous shade tree development useful for timing chemical defoliation and harvest.
1770. Stang, Jack Rudolf. Responses of bush snap bean cultivars (Phaseolus vulgaris L.) to plant population densities.

1977 - Doctors

1771. Callan, Nancy Woodworth. Effect of boron sprays on fruit set, fruit quality, boron distribution and floral morphology of 'Italian' prune (Prunus domestica L.).

■ HYDROLOGY

SEE General Science Department
Physical Oceanography

■ HYGIENE

SEE Health Education
Microbiology Department

■ INDUSTRIAL & GENERAL ENGINEERING SYSTEMS DEPARTMENT
SEE ALSO Civil Engineering (Adams, Burton
Warren. #611)

1971 - Masters

1772. Ghaffari, Ebrahim. Some analytical techniques for improving resource allocation in a university system.
1773. Nebergall, David William. Decision procedures for capital rationing under conditions of risk.
1774. Pond Jr., James Woodrow. A quantitative index for evaluation of plant layout alternatives.
1775. Puranmalka, Krishna Gopal. An evaluation of alternative approaches for the computation of order quantities and reorder points.
1776. Rao, Dodla Nageswara. Single and mixed-model assembly line balancing methods for both deterministic and normally distributed work element times.
1777. Rawal, Sabhash Chander. A practical way to include merge bias in calculating total project duration of a PERT network.
1778. Shirland, Larry Elwym. An application of one-factor and two-factor information channel models to marketing research problems.

1972 - Masters

1779. Andrade, Hernan Miguel. Industrial adjustments in American Managerial techniques for developing countries.
1780. Sprenger, Donald Lee. Scheduling repetitive projects using the economic scheduling path procedure.

1973 - Masters

1781. Paul, Alexander. Analysis of single-channel maintenance costs.
1782. Ro, In Kyu. Industrial engineering in America as a guide for industrial engineering education in Korea.

1974 - Masters

1783. Bahram, Borhan. Perspectives: academic research management.
1784. Chen, Kuei-lin. The application of decomposition and condensation algorithms to the logical design of resource planning and management (RPM) networks.
1785. Mohr, Carl Eric. Measurement and management implications of intergenerational differences in resistance to change.

1975 - Masters

1786. Asselbergs, Christophe K.J. Development of a system for man-machine experimentation.
1787. Chang, Chia-hao. Application of pattern recognition to a human behavior problem.
1788. Faruqi, Salahuddin. Regression based time standards for fish filleting.
1789. Ingle, Jayant T. Plant layout for rehabilitation centers; a case study and general considerations.

1790. Joshi, Sudhir Madhukar. Heuristic scheduling of orders with due dates and sequence dependent set-up times.
1791. Lovro, Daryl Stanley. A branch and bound algorithm applied to field office location.
1792. May, Mathew George. A hospital cost model.
1793. Mercer, William G. Resource planning and management (RPM) of a multi-period, multi-product process.
1794. Robinson Jr., Irl Dale. Multi-objective planning and design for land use and urban performance.

1976 - Masters

1795. Barneson III, John. Resource planning for a rare metals corporation using mixed integer goal programming and resource planning and management system.
1796. Cheung, Chi Ming. Shrimp processing in Oregon - planning, analysis and control.
1797. Conatser Jr., Bernis Burl. An examination of inverse sequential (serial) learning as a method of skill training in industry: a human factors engineering approach.
1798. Jain, Pravin Jethmal. Resource planning of a high technology company under risk and uncertainty.
1799. Kingsley, Daniel Bruce. An analysis of the unit dose pharmacy system in small hospitals.
1800. Willis, George Paul. Skill design, evaluation, and implementation of improved Dungeness crab meat extraction methods.

1977 - Masters

1801. Higuera-Guio, José Gabriel. Application of resource planning and management system (RPMS) and goal programming (GP) to multi-period resource allocation in universities.
1802. Kim, Jae Yearn. Minimum-cost multi-item coordinated ordering models with dependent set up cost.
1803. Lomelin-Zarate, Jose David. Extending the planning capability of zerobase and flexible budgeting through the use of RPM networks and optimization techniques.
1804. Matsuda, Yoichi. Determination of optimal supply points in centralized distribution systems.
1805. Saedi, Mohammad Vahid. The development of a methodology to study the effects of process dynamics and costs on operator behavior.
1806. Tirakitti, Sunthorn. An investigation of the effects of information displays on human forecasting performance.

1971 - Doctors

none

1972 - Doctors

1807. Shirland, Larry Elwyn. Multi-factor information theory models and their industrial applications.

1973 - Doctors

1808. Ramalingam, Panchatcharam. Development and experimental evaluation of branch-and-bound algorithms for determining optimum static job-shop production schedules.

1974 - Doctors

1809. Chiu, Wu-yan. The estimation of transition probabilities in a student flow model.

1975 - Doctors

1810. Dumon, Jozef M. An RPM network approach to the integration of the accounting information system and the linear programming decision model.

1976 - Doctors

1811. Dykstra, Dennis Peter. Timber harvest layout by mathematical and Heuristic programming.

1977 - Doctors

1812. West, Thomas Moore. An integrated approach to the evaluation of multiattributed alternatives in facility siting studies.
1813. Chen, Kuei-Lin. Performance evaluation and design of multiple time series based forecasting systems.

INDUSTRIAL AND TECHNICAL EDUCATION (includes: industrial arts teaching)

1971 - 1977 - Masters

none

1971 - Doctors

1814. Gunderson, Orley Donald. A factor analysis of professional education competencies and community college instructors of trade and industrial education.
1815. Pfahl, Alvin Kenneth. A study of attitude and teaching performance of degree and non-degree teachers in industrial education.
1816. Ruiter, William Wallace. An analysis of the effectiveness of a learner-centered teaching system compared to that of a conventional teaching of basic electricity to university students.

1972 - Doctors

1817. Allison, Eugene Frederick. A study of the common professional competencies of educational engineers.
1818. Parker, David Warren. A comparison between current industrial arts philosophy expressions derived from professional publications and their acceptance by industrial arts teacher educators.

1973 - Doctors

1819. Stemmer, Roland Clarke. A study of the whole job (multi-position) approach as compared to the traditional (single-position) approach in the development of arc welding skills.

1974 - Doctors

1820. Ledoux, Clarence Eugene. A study of mathematical skills needed for entry-level employment in a cluster of electricity-electronics occupations.
1821. Starr, Jack. An analysis of selected program outcomes in the industrial arts education project: Occupational Versatility.

1975 - Doctors

none

1976 - Doctors

1822. Dille, Jeane Louise. The identification of verbal, handwriting, and written composition skills and the level of those skills required by entry-level industrial mechanics.

1977 - Doctors

none

■ INDUSTRIAL ARTS EDUCATION

SEE Industrial and Technical Education
Vocational Education

■ INORGANIC CHEMISTRY

SEE Chemistry Department

■ INSTITUTION MANAGEMENT

SEE Adult, Community College and Community Education
Family Resource Management Department
Foods and Nutrition Department
Health Education

■ INTERDISCIPLINARY STUDIES

1971 - Masters

1823. Ghaffari, Rose Marie Hughes. The relationship of some family background variables to college graduation.

1972 - Masters

1824. Anderson, Roy Bruce. The effect of auditory training on the auditory discrimination ability of the contra-lateral ear.
1825. Whyte, William James. Development and rationale for a minimum pollution product trademark which consumers can identify with minimum pollution products.

1973 - Masters

1826. Jones, Richard Alan. Cued forgetting of tones; intentional forgetting of non-verbal items.
1827. Pierson, William Wilbur. The cultural implications of a careers oriented relevant education approach in junior high school settings in Springfield, Oregon.

1974 - Masters

none

1975 - Masters

1828. Fletcher, Roger LeRoy. Extension orientations toward poverty; bootstrap, culture of poverty, systemic. An empirical study.
1829. Hardin, Priscilla. A 1974 perspective of art interest among students enrolled in basic college art courses between 1968 and 1970.
1830. Honey Jr., William DeWayne. The Willamette River greenway: environmental and attitudinal considerations.
1831. Jaworski, Carole Ann. Non-reservation Indian boarding schools, 1879-1969.
1832. Selam, Leroy Bennie. The Yakima Indians; study and analysis of the Yakima water rights.
1833. Yates, Dean Arnold. The reflection of culture in biological evolution.

1976 - Masters

1834. Bartel, Marvin Ivan. Public policy competition in water resource planning: a case study of Days Creek Dam.
1835. Bryant, Robert Edman. Some aspects of Western religious thought and man's use of land.
1836. Hatley, Thomas Alfred. Efficiency in Oregon's commercial salmon fisheries: a historical perspective.
1837. Mauze, Marie-France. The Kwakiutl totem pole and its symbolic value.

1977 - Masters

1838. Mackaman, Julie Irene. The beat generation: a rhetoric of negation.
1839. Manolescu, Kathleen Marie. Transactional analysis applied to a community development issue.
1840. Martin, Harry Joseph. Approval seeking motivation: a determinant of conformity to group norms inconsistent with personal values.

1971 - 1977 - Doctors

none

■ LEISURE AND RECREATION

SEE Geography Department
Recreation Education

■ LIBERAL ARTS, SCHOOL OF

SEE Interdisciplinary Studies

■ MARINE ECOLOGY

SEE Biological Oceanography

■ MARINE POLLUTION

SEE Biological Oceanography
Civil Engineering Department (for engineering aspects)
Ocean Engineering

■ MARINE RESOURCE MANAGEMENT
(this is a non-thesis masters program)

■ MATHEMATICS DEPARTMENT
SEE ALSO Computer Science Department

1971 - Masters

- 1841. Fkiras, Nicolaos George. Heat conduction in a cone with a ring source.
- 1842. Ghandour, Nabil Nassib. Stability of flows of thermo-viscoelastic fluids between rotating coaxial circular cylinders.
- 1843. Gunn, Michael Gary. A study of the effect of the choice of pivot elements on round-off errors in Gauss elimination.
- 1844. King, John Michael. Investigations concerning heat transfer involving wedge-shaped configurations.
- 1845. Lok, Pat Jiun-chang. Recognition of printed Chinese characters.
- 1846. Park, Moon Up. Generalized measures of deformation-rates in torsional flows of viscoelastic fluids between two infinite parallel planes.
- 1847. Kolbet, James Theodore. A Turing automaton simulator program.
- 1848. Rouff, James Elliot. On error-bound connected optimized trigonometric subroutines.
- 1849. Whiteman, Alan Lee. A small ALGOL compiler for OS-3.

1972 - Masters

- 1850. Blair, Larry Louis. A nonlinear Fredholm integral equation as encountered in radiation through an atmosphere.
- 1851. Bu, How-Shone. The structure of preordered sets and their topological properties.
- 1852. Diffely, Robert Elwin. A Fortran program for the simultaneous solution of two algebraic polynomial equations in two unknowns.
- 1853. Domke Jr., Delmar Eichler. Selection of discriminating characteristics by partial similarity for the two class recognition problem of artificial intelligence.
- 1854. Rose, George David. Interactive graphics in a time sharing environment.
- 1855. Standley, David Robert. Digital recording and analysis of mass spectra.
- 1856. Yamagishi, Yoshiyuki. Precedence grammars and relation between precedence languages.

1973 - Masters

- 1857. Ballance, Jeffrey David. MINITRAN: an on-line function translator with capabilities for solving ordinary differential equations.
- 1858. Bello, Jackson Henry. Solution by the method of G. C. Evans of the Volterra integral equation corresponding to the initial value problem for a non-homogeneous linear differential equation with constant coefficients.

- 1859. Cullop Jr., Paul Wayne. Automated rigorous solutions to nonlinear equations.
- 1860. Sen, Angelina Siu-Hung. A method of solving nonlinear simultaneous equations without using Jacobian.
- 1861. Thoennes, Harvey Andrew. Student scheduling by computer: a discussion of an algorithm based on course requests and priorities.

1974 - Masters

- 1862. Mirkovich, Christina Josephine. Applications of collectively compact operator theory to the existence of eigen-values of integral equations.

1975 - Masters

- 1863. Henry, Calvin Oscar Leon. Computation by a Turing machine carried out in a Minsky post tag formalism.

1976 - Masters

none

1977 - Masters

- 1864. Borer, David. Approximate solutions of Fredholm integral equations of the second kind with singular kernels.
- 1865. Guenther, John Henry. Movement of populations in restricted regions.
- 1866. Swartz Jr., William John. On convergence of infinite series of images.

1971 - Doctors

- 1867. Higdem, Roger Leon. Sums of subsets of certain algebraic systems.
- 1868. Knoshaug, Ronald Norman. Flows of anisotropic fluids induced by rotating disks.
- 1869. Margolis, William Edward. Topological vector spaces and their invariant measures.
- 1870. Okajima, Isamu. Study of the topological structure of the Royden compactification of the unit disk.
- 1871. Olson Jr., Arthur Eugene. Density space theory: discrete spaces.
- 1872. Swanson, Leonard George. Equivalence of finite measures.
- 1873. Vander Beek, John Wayne. Isoconjunctivity of hermitian matrices.

1972 - Doctors

- 1874. Applebee, Ralph Calvin. Finite models of zero order propositional calculi.
- 1875. Daily, Mary Lou. A fundamental inequality in additive number theory and some related numerical functions.
- 1876. Hofer, Jack Edward. Topological entropy for noncompact spaces and other extensions.
- 1877. Kerrick, Jerrill Douglas. Group automorphisms of the n-torus: a representation theorem and some applications.
- 1878. Murray, Peter John. An extension of Hilbert's axioms of incidence and order to n dimensions.

1879. Pandey, Nagendra Nath. Generalizations of the Watson transforms.
1880. Park, Moon Up. Theory of micromorphic materials and applications.
1881. VanEnkevort, Ronald Lee. Continuous analogues of density theorems.

1973 - Doctors

1882. Akerman, Michael Walter. Some results on k-line partitions.
1883. Battilega, John Anthony. Computational improvements to Benders decomposition for generalized fixed charge problems.
1884. Ghandour, Nabil Nassib. Stability of convective flows in porous media.
1885. Jumani, Vishnu Balchand. A study of the quantization procedure: higher order information and the conditions for minimum error.
1886. Lo, Wen-so. Spectral approximation theory for bounded linear operators.
1887. Mueller, Thomas Jacob. TEEMAL, an adaptive training procedure for a two layer system of linear threshold elements.
1888. Rivera, Dorothy Marguerite. On a generalization of the Lerch zeta function.

1974 - Doctors

1889. Baker, Steven Michael. Obstruction theory for simplicial bundles.
1890. Dastrange, Nassar. On the reconstruction of bandlimited signals from sampled values.
1891. Hartvigson, Zenas Russell. The completeness axiom of Lobachevskian geometry.
1892. Hook, Donald George. Effects of conjunctivity on the inertia of complex matrices.
1893. Ng, Dina Ng. An effective criterion for congruence of real symmetric matrix pairs.
1894. Solmon, Donald Clyde. The x-ray transform.
1895. Toms, Ralph Marvin. Globally optimal Runge-Kutta methods.
1896. Yip, Elizabeth Lingfoon. Matrices conjunctive with their adjoints.

1975 - Doctors

1897. Banks, Bernard W. Time derivatives of observables and applications.
1898. Chang, Wei-rong. Generalized Hilbert transforms associated to cones in R^n .
1899. Halfant, Matthew. Some results in the ergodic theory of generalized expansions of real numbers.
1900. Sekino, Junpei. Homology theory of submersions.

1976 - Doctors

1901. Daily, John David. The distribution of certain sequences of n-Tuples of numbers Module 1.
1902. Dranchak, John Joseph. Properties and integral representations of distributions of operators.

1903. DuBeau, Donald Gene. Mathematical aspects of the flow of gases underground.
1904. Fredricks, Gregory Alan. Higher order differential geometry and some related questions.
1905. Greenfield, Gary Robert. Even order subgroups of finite dimensional division rings.
1906. Matzdorff, Edward Max. Gibbs phenomenon and lebesgue constants for the Quasi-Hausdorff means of double series.
1907. Upatisinga, Visutdhi. The relation between complex matrices obtained by composing similarity and conjunctivity.

1977 - Doctors

1908. Kan, Joseph Ting-che. Paley-Wiener theorems with convex weight functions.
1909. Ng, Mary Jeanne Pe. The $Z_p(t)$ -adequacy of pure polynomials.
1910. Parker, Phillip E. Singular geometry and geometric singularities.
1911. Stynes, Martin J. An algorithm for the numerical calculation of the degree of a mapping.

■ MECHANICAL ENGINEERING DEPARTMENT

(includes: metallurgical engineering,
aeronautical engineering)

SEE ALSO Nuclear Engineering Department

1971 - Masters

1912. Bassett, David Arthur. Feasibility study of a surface vehicle utilizing a unitary control system.
1913. Belding, Philip Charles. The control of non-metallic inclusions in cast steel.
1914. Broderick, John Justin. Polycarbonate as a photoplastic stress freezing material.
1915. Etchart, David Ygnacio. A pipe entry length solution for heat transfer and flow in Powell-Eyring fluids with temperature-dependent viscosity and constant flux boundary condition.
1916. Hamann, David Eugene. Design, construction and testing of torsigraph.
1917. Hudson, Arthur Eugene. Development of an emission sampling system for a mobile agricultural incinerator.
1918. Kim, Sung Soo. An experimental study of natural convection in air between a vertical isothermal flat plate and a parallel insulated flat plate.
1919. Marshall, Charles Alan. Design and development of a hydraulic system for outboard-engine-powered-commercial-fishing boats.
1920. Stephanides, Photis Gregory. Computer-assisted inventory control model for automobile spare parts distribution.
1921. Thompson, Roger Steven. Modes of vibration of inextensible cables suspended from two points.

1972 - Masters

1922. Hurt, John Calvin. The use of a hot film anemometer to measure velocities below five cm/sec in mercury.
1923. Rothwell, Michael Olin. Cold trap performance - a general analysis.
1924. Smith, Harlan Bradford. Design considerations for strain gage transducers.

1973 - Masters

1925. Bitting, Kenneth Robert. A photoelastic stress analysis of a beam under shear and compressive loads.
1926. Findley, Lee Gordon. The effect of typical production variables on the strength of high purity commercial tantalum sheet.
1927. McBee, William C. Isothermal aging of vapor deposited aluminum-copper alloy films.
1928. Reeder, Harry Cromwell. On design and field evaluation of the noise control features of the Lake Oswego water treatment plant.
1929. Rossman, David Robert. A determination of an exhaust hydrocarbon reactivity index for a vehicle powered by gasoline and liquefied natural gas.
1930. Rupe, Robert Charles. A nonlinear dynamic analysis of inextensible mooring lines.

1974 - Masters

1931. Chang, Terrill John. A portable pumping system for hydraulic excavation of commercial crab pots.
1932. Kelley, John Edgar. Studies of the radiance of metal grinding sparks.
1933. Le Febvre, Patrick Elmer. Design of a waterjet system for excavation of commercial crab pots buried in ocean sediment.
1934. Reichel, Rolf Hubertus. Measurement and scrubbing of SO₂ and NO_x from boiler flue gases.
1935. Tuttle, Kenneth Lewis. Analysis and design of a small gas sampling pump.
1936. Wiles, Lawrence Edward. An experimental investigation of laminar natural convection with a uniformly heated vertical cylinder in mercury.

1975 - Masters

1937. Anderson, James L. An analytical model for fatigue crack propagation.
1938. Biskey Jr., John Wesley. The development of Fe-Cr-C based alloys for high wear and high impact applications.
1939. Dutton, Jonathan Craig. An experimental investigation of natural convection heat transfer from an array of uniformly heated vertical cylinders to mercury.
1940. Humphreys, William Warren. An experimental investigation of heat transfer in the transition and turbulent regimes for natural convection in mercury in a uniformly heated vertical channel.

1941. Rauw, Charles Irving. Seasonal variations [in] tidal dynamics, water quality, and sediments in the Siletz Estuary.
1942. Tavalacci, Don. Fluid forces on and flow configurations around a circular cylinder near a plane boundary.
1943. Webb, Gerald Bruce. Analysis of an externally loaded pre-stressed cylindrical shell.

1976 - Masters

1944. Freeburn, Scott Alan. Combustion gas emissions spectra of Otto cycle engine operating on H₂, CO, and gasoline using a calibrated vidicon detector spectrometer.
1945. Ladd, Daniel Martin. Power performance of planning boats with the effect of propeller selection and propeller guard design.
1946. Lockwood, Dwight Norris. An investigation of the effects of immersed heat exchanger tube spacing and arrangement on the quality of fluidization in a cold phase two-dimensional fluidization in a cold phase two-dimensional fluidized bed.
1947. Walter, Ronald Allen. Modeling of geothermal power plants using the binary fluid cycle.

1977 - Masters

1948. Baker, Ronald Blair. Modeling the thermal effects of fabricated fuel-to-cladding gap in fast reactor fuel.
1949. Manolescu, Mircea Ion. A comparative study of the performance of pin finned heat sinks for cooling electronic components by natural convection.
1950. Takahashi, Gilbert Tamaji. Evaluation of factors contributing to the failure of cast iron water mains.
1951. Yao, Barry. Thermal energy recovery from large transformers.

1971 - Doctors

1952. Junge, David Campbell. An investigation of the effects of radial acceleration on a fluidized bed used for filtration of air-borne particulate of sub-micron size.
1953. Seddigh, Foad. Method of characteristics and its application to blast waves in water and two-phase flow.
1954. Wang, Chun Tsin. Deformation mechanism of polycrystalline and monocrystalline high purity vanadium at low temperatures.
1955. White, Donald Henry. An experimental investigation of natural convection heat transfer from vertical flat plates in mercury.
1956. Wilson, Dale. The determination and characterization of preferred orientation and the elastic anisotropy of rolled copper sheet.

1972 - Doctors

1957. Blickensderfer, Robert. Creep of tungsten dispersion strengthened by ZrO₂.

1958. Stock, David Earl. Concentration and velocity profiles for flow-coupled diffusion.
1959. Winiarski, Lawrence Decker. A method of calculating non-steady compressible flow in a propulsive duct.

1973 - Doctors

1960. Nelson, William George. A numerical analysis of ice fog produced by automobiles.
1961. Rowe, Donald Scott. Measurement of turbulent velocity, intensity and scale in rod bundle flow channels.
1962. Trent, Donald Stephen. A numerical model for predicting energy dispersion in thermal plumes issuing from large, vertical outfalls in shallow coastal water.

1974 - Doctors

1963. Anderson, Charles Michael. Initial performance of rigid, porous sheets of sintered-polyethylene powder for filtering airborne sander dust.
1964. Augustine, Frank Edward. Airborne sampling of particles emitted to the atmosphere from Kraft paper mill processes and their characterization by electron microscopy.
1965. Colwell, Robert Gordon. Experimental investigation of natural convection of mercury in an open, uniformly heated, vertical channel.
1966. Faghri, Mohammad. Analysis of heat transfer, including axial conduction, for laminar tube flow with arbitrary circumferential wall heat flux.
1967. Simmons, Larry Dean. Optimization of staged rankine energy conversion cycles for high efficiency.
1968. Tomine, Chris Shinya. Integrated forward light scattering as a measure of aerosol mass concentration.
1969. Wood, Floyd William. A re-examination of the Ti-TiN phase system.

1975 - Doctors

1970. Bassett Jr., Charles Earl. An experimental study of forced convection heat transfer to non-Newtonian fluids in the thermal entry region of a horizontal, uniformly heated, circular pipe.
1971. Ileri, Arif. Analysis of heat pump and steam bleed-off systems linked with thermal-electric power plants to supply low-grade heating and cooling.
1972. Slegel, David Louis. Transient heat and mass transfer in soils in the vicinity of heated porous pipes.
1973. Sokaski, Michael. Low temperature deformation characteristics of yttrium single crystals.

1976 - Doctors

1974. Gale, John Gregg. Vibrations of suspended cables.

1975. Walker, Stel Nathan. Performance and optimum design analysis/computation for propeller type wind turbines.

1977 - Doctors

1976. Brownlow, Roger West. Wind tunnel simulation and field measurements of flow over a coastal headland.
1977. Kannberg, Landis Dee. An experimental/analytical investigation of deep submerged multiple buoyant jets.
1978. Laity, Walter William. Temperature profiles, thermal diffusion factors, and molecular diffusion coefficients for flow-coupled diffusion in a two-dimensional flow field.

■ METALLURGICAL ENGINEERING

SEE Mechanical Engineering Department

■ METEOROLOGY

SEE Atmospheric Sciences Department

■ MICROBIOLOGY DEPARTMENT

1971 - Masters

1979. Berg, Ronald Wayne. The incidence of Salmonella in gulls on the Oregon coast.
1980. Park, Jerry Eugene. Soil and rumen microbial responses to photo-oxidized grass straw.
1981. Wieler, David Issac. Microbial flora of pink shrimp, Pandalus borealis.

1972 - Masters

1982. Hayasaka, Steven Shin. Structural effects on Arthrobacter ATCC 25581 methylene hydroxylase activity.
1983. Holt, Richard Allen. Characterization and control of Cytophaga psychrophila (Borg) the causative agent of low temperature disease in young coho salmon (Oncorhynchus kisutch).
1984. Needleman, David Sol. Partial purification and properties of a columnaricin isolated from the myxobacterium Chondrococcus columnaris.
1985. Nelson, Jim Steel. Oral immunization for the control of vibriosis in Pacific salmon.
1986. Paul, Kala Lapidus. The effects of hydrostatic pressure and temperature on the uptake and utilization of amino acids by a facultatively psychrophilic marine bacterium.
1987. Stroup, John Raymond. Differential agar media for the identification of the Salmonella and Arizona groups of Enterobacteriaceae.

1973 - Masters

1988. Abe, Patrick Masami. Certain chemical and immunological properties of the endotoxin from Vibrio anguillarum.
1989. Barta, James Joseph. Serological relationships of human T-mycoplasma isolates.

1990. Frey, Kurt Leslie. Hydrolyses of rye grass straw for propagation of Candida utilis.
1991. Geesey, Gill G. Some physiological effects of near maximum growth temperatures on an obligately psychrophilic marine bacterium.
1992. Lekprayoon, Chayavoot. Production of Candida utilis from annual ryegrass straw hydrolyzate.
1993. Muniz, Juan Fermin. Media for identification and differentiation of Clostridium perfringens and Clostridium botulinum types a, b and e.
1994. Schwartz, James. Germicide effectiveness and taxonomic studies on microbial isolates from meat and poultry plants.
1995. Williams, Robert Roy. The effect of added salt on the heat resistance of Salmonella and Arizona species in eggs and other media.

1974 - Masters

1996. Banowetz, Gary Michael. Certain aspects of the immunology and chemotherapy of bacterial kidney disease in juvenile coho-salmon (Oncorhynchus kisutch).
1997. Goodrich, Thomas Dale. Studies involving substrate binding, uptake, and respiration near the minimum growth temperature of Escherichia coli.
1998. Klubek, Brian Paul. Physical and chemical properties of some Bdellovibrio extracellular proteases.
1999. LaChance, Michele Collette. Effect of mercury on β -galactosidase activity: possible relationship to lactose intolerance.
2000. Latimer, Joan Marie. R factor transfer among bacteria isolated from the environment.
2001. Mosley, Elder Bishop. Factors affecting the germicidal activity of iodophor germicides.
2002. Peterson, Paul Edward. Factors that influence sulfide production in an estuarine environment.

1975 - Masters

2003. Beach, Peter Gavette. Molecular taxonomy of Aeromonas.
2004. Engelking, Henry Mark. Bdellovibrio metabolism of host macromolecules.
2005. Kelly, Michael David. Identification of volatiles from a swine center using porous polymers and cold traps.
2006. Ransom, David Peter. Immune responses of salmonids, a) Oral immunization against Flexibacter columnaris, b) Effects of combining antigens in parenterally administered polyvalent vaccines.

1976 - Masters

2007. Gulstrom, Timothy James. Evaluation of media inhibitory for lactic streptococcal bacteriophages.
2008. Minelli, Michael Phillip. Factors affecting slime accumulation in fiberboard mill process water.

2009. Nkanga, Enefiok James. Serological detection of staphylococcal enterotoxin A in culture supernatants.

1977 - Masters

2010. Hazen, Ronald Eugene. Characterization of extracellular RNases of host dependent Bdellovibrio bacteriovorus 109 D.
2011. Morrow, Jan Elaine. Coliform bacteria associated with redwood and drinking water emanating from redwood tanks.
2012. Neal, William Daniel. Sterol 24(28) methylene reductase in Saccharomyces cerevisiae.
2013. O'Leary, Patrick John. Enteric Redmouth Bacterium of salmonids: a biochemical and serological comparison of selected isolates.
2014. Seward II, Robert Albert. The growth of Chlorella vulgaris 211/8K in diluted swine manure as a function of temperature, light intensity, depth, and retention time.
2015. Stevens, Donald George. Effects of copper on survival and the immune response of juvenile coho salmon (Oncorhynchus kisutch).
2016. Yu, Pak-Lam. Semisolid fermentation of alkaline-treated ryegrass straw for animal feed.

1971 - Doctors

2017. Buettner, Michael John. Effects of physiological state upon nitrosoguanidine-mediated allelic recombination in Saccharomyces cerevisiae.
2018. Gillespie, Paul Albert. Vitamin B12 production and depletion in a naturally eutrophic lake.
2019. Hayes III, Sidney Joseph. Properties and derivatives of 5-hydroxyuridine, a component of ribonucleic acid.
2020. Kleeman, Karl Terrence. Characteristics of two salmonid fish cell lines: glycolytic rates. CO₂ requirements and susceptibility to Reovirus and Reovirus-like agents.
2021. Ley, Ronald Douglas. Recovery from ultra-violet light-induced damage in Micrococcus radiodurans.
2022. Miller III, Alexander. Deoxyribonucleic acid homology in the genus Lactobacillus.
2023. Miller, Carol Ann. Characterization and detection of Clostridium botulinum type A toxin.
2024. Orth, Donald Simms. Improved coagulase tests for Staphylococcus aureus.
2025. Staley, Thomas Edwin. Effects of salinity and temperature changes on the induction of glutamic dehydrogenase in the marine psychrophilic bacterium, Vibrio marinus MP-1.
2026. Wise, John Arnold. Properties of ribonucleic acid and deoxyribonucleic acid during developmental stages in B. cereus 569.

1972 - Doctors

2027. Blaine, James Wesley. Preparation and preservation of lactic acid starter culture concentrates.

2028. Burnison, Bryan Kent. Amino acid flux in a naturally eutrophic lake.
2029. Chugg, Lee Russon. Rapid, sensitive methods for enumeration and enterotoxin assay for Staphylococcus aureus.
2030. Cisar, John Ormond. Properties of anti-Aeromonas salmonicida antibodies from juvenile coho salmon (Oncorhynchus kisutch).
2031. Eldridge, James Paul. Utilization of products derived from photolytically treated ligninsulfonate by Pseudomonas putida.
2032. Griffiths, Robert Porter. Glucose uptake and catabolism in the marine psychrophilic bacterium, Vibrio marinus.
2033. Nakamura, Kenji Dennis. Aspects of the regulation of methyl group formation in methionine biosynthesis by Saccharomyces cerevisiae.
2034. Paterson, William Douglas. The antibody response of juvenile coho salmon (Oncorhynchus kisutch) to Aeromonas salmonicida, the causative agent of furunculosis.
2035. Rockhill, Robert Clayton. Hydrogen peroxide oxidation of annual ryegrass lignin and utilization of the products by Rhodotorula mucilaginosa.
2036. Vangnai, Somsak. Nitrite dissimilation by microorganisms incapable of efficient nitrate utilization: nutritional and ecological considerations.
2037. Weber, George Harding. Nucleic acids associated with MC29 tumor virus.
2038. Wicklow, Marcia Cope. A comparison of soil microfungi in forest stands of Red Alder, Conifer, and Alder-Conifer mixtures.
- 1973 - Doctors
2039. Daly, Charles. Studies on the inhibition of food-borne pathogens and spoilage bacteria by lactic acid starter cultures.
2040. Gasper, Ekkehart. Detection of staphylococcal enterotoxin A by Laurell electroimmunodiffusion.
2041. Haworth, Stephen Randall. Genetic mapping and physiological characterization of RNA polymerase mutants of Bacillus subtilis.
2042. Jacobson, Gunnard Kenneth. Cell division and DNA synthesis in Saccharomyces cerevisiae following nutritional shift-up.
2043. Jones, Larry Paul. The purification and characterization of the fructose 1,6-diphosphate aldolase from Vibrio marinus, an obligately psychrophilic marine bacterium.
2044. McAllister II, Philip Everett. The Oregon sockeye salmon virus (IHN): A. Replication and autointerference. B. The effect of temperature on infection in Kokanee salmon (Oncorhynchus nerka) and on virus stability.
2045. McCoy, Ralph Hines. Aeromonas salmonicida and aeromonas hydrophila (liquefaciens) as pathogens of salmonid fish. A. Selective aeromonas medium. B. Comparative characteristics of virulent and avirulent strains of aeromonas salmonicida. C. Effect of water temperature on aeromonas infections.
2046. Park, Jerry Eugene. Photooxidative degradation of annual ryegrass straw to substrates enhancing rhodotorula mucilaginosa growth.
- 1974 - Doctors
2047. Bailey Jr., Richard Burke. S-adenosylmethionine: Δ^{24} -sterol methyltransferase and the regulation of ergosterol biosynthesis in Saccharomyces cerevisiae.
2048. Berg, Ronald Wayne. Yeast extractives in the nutrition of San Francisco sourdough bacteria (Lactobacillus sanfrancisco).
2049. Felton, Mack. Adsorption of ^3H Q8 virus on powdered silica.
2050. Lee, Donald Royce. Carbohydrate metabolism in lactic streptococci with special reference to galactose.
2051. McMichael, John Seiple. The isolation, comparison, and attenuation of several viruses infecting Oregon salmonids.
2052. Molskness, Theodore Arthur. β -D-phosphogalactoside galactohydrolase of lactic streptococci; enzyme properties and analysis of deficient mutants by transduction.
2053. Muralidhara, K. S. Effect of feeding concentrates of Lactobacillus organisms on intestinal colonization by Escherichia coli in swine.
2054. Trewyn, Ronny William. Methionine biosynthesis in Saccharomyces cerevisiae; the one-carbon transfer portion of the pathway.
- 1975 - Doctors
2055. Fuller, David Wallace. Isolation and characterization of a leukocytolytic factor from Aeromonas salmonicida.
2056. Johnson, Keith Alan. Host susceptibility, histopathologic, and transmission studies on Ceratomyxa shasta, a Myxosporidan parasite of salmonid fish.
2057. Jones, Margaret Carol Jackson. Character of the DNA region encoding a portion of the DNA-dependent RNA polymerase in Bacillus subtilis.
2058. Nyiendo, Joanne Annette. Studies on host range, fine structure, and nucleic acids of lactic streptococcus bacteriophages.
2059. Rohovec, John Stanley. Oral and parenteral immunization for the control of Vibrio anguillarum, the etiological agent of vibriosis in salmonid fish.
2060. Speckman, Calvin Albert. Preparation, evaluation, and use of lyophilized, concentrated dairy starter cultures in cheese and yogurt manufacture.
2061. Sriranganathan, Nammalwar. Deoxyribonucleic acid hybridization and plasmid studies in the genus Lactobacillus.

1976 - Doctors

2062. Geesey, Gill Gregory. Substrate capture by a psychrophilic marine bacterium.
2063. Goodrich, Thomas Dale. Incidence and significance of bacterial chitinase in the marine environment.
2064. Hayasaka, Steven Shin. Ion and salinity effects on induction and function of galactose permease in an Antarctic psychrophilic marine bacterium.
2065. Leach, Roy Dullnig. Strain dominance in frozen multiple strain lactic starters.
2066. Tebbit, Guy Lee. Viruses infecting salmonid fishes from Oregon: A. The occurrence and distribution of infectious pancreatic necrosis virus. B. The development of an attenuated strain of infectious hematopoietic necrosis virus (IHNV) for immunization of salmonids.

1977 - Doctors

2067. Gould, Rowan Wayne. Development of a new vaccine delivery system for immunizing fish and investigation of the protective antigens in *Vibrio anguillarum*.
2068. Mulcahy, Daniel Michael. Distribution and epizootiology of infectious pancreatic necrosis and infectious hematopoietic necrosis of salmonid fishes in Oregon.
2069. Nicholas, Ann Harriet. The combined effect of herpes simplex virus type 2 and a polychlorinated biphenyl (arochlor 1242) on human chromosomes: induction of sister chromatid exchanges.
2070. Nkanga, Enefiok James. Diffusible antimicrobial agents produced by *Streptomyces* from acidic soils: a modified overlay method for detecting antimicrobial activity and partial characterization of the antimicrobial agents.
2071. Novitsky, James Alan. Effects of long-term nutrient starvation on a marine psychrophilic vibrio.

■ NATURAL HISTORY

SEE Zoology Department

■ NATURAL RESOURCES, GENERAL

SEE Agricultural & Resource Economics Department
Geography Department

■ NUCLEAR ENGINEERING DEPARTMENT

1971 - Masters

2072. Skeen, David Roy. Numerical solutions of the neutron transport equation.
2073. Stuart Jr., Charles Edward. A mathematical model for capillary gas chromatography.

1972 - 1974 - Masters

none

1975 - Masters

2074. Dobbin, Kenneth Dwight. Construction and calibration of a fast neutron spectrum generator.

2075. Lewallen, Marvin Adam. Computer routines for nuclear reactor after-heat research.

2076. Wei, Peter. A review of experiments pertinent to the after-heat measurements of the thermal-neutron fission of U235.

1976 - Masters

2077. Earle, Otis Keener. The missile hazard of surface traffic accidents to nuclear power plants.

1977 - Masters

2078. Baker, Steven Michael. The contribution of fission product decay energy uncertainty to uncertainty in calculated reactor decay power.
2079. Bjerke, Michael Alan. A comparison of theoretical decay heat calculations and experimental data.
2080. Cunningham, Mitchel Eugene. Temperature profiles of spheres packed in regular arrays.
2081. Holm, Jerald Steven. A simplification of existing methods of calculating decay heat following reactor shut-down and an investigation of the effects of power history upon decay heat.
2082. Oien, Charles Thomas. Feasibility of neutron radiographing reactor fuel assemblies.
2083. Shay, Michael Ronald. Summation evaluations of reactor after-heat including the effect of neutron capture in fission products.
2084. Shepherd, Stephen H. An experiment for accurate determination of time-dependent fission product energy release after thermal neutron fission of ²³⁵U.
2085. Thomas, Mark Stephen. An analysis of the infinite periodic lattice approximation used in unit cell calculations.

1971 - 1972 - Doctors

none

1973 - Doctors

2086. Stout, Richard Bartholomew. Optimization of in-core nuclear fuel management in a pressurized water reactor.

1974 - Doctors

none

1975 - Doctors

2087. Olson, Willard Orvin. One and two dimensional space-energy flux synthesis with spatially discontinuous trial functions.

1976 - Doctors

2088. Devine Jr., Warren Downe. Determinants of electrical energy demand for a state; methodology and system simulation.
2089. Liaw, Jye Ren. Primary fission fragment yields and prompt-neutron emissions for after-heat analysis.

1977 - Doctors

2090. Bossi, Richard Henry. High speed motion neutron radiography.

■ NUTRITION
SEE Foods and Nutrition Department

diphenylindolizines for possible anti-inflammatory activity.

■ OCCUPATIONAL EDUCATION
SEE Vocational Education

1973 - Masters

2096. Paveenbampen, Churairat. Quantitative gas chromatographic analysis of ephedrine hydrochloride, phenobarbital, and theophylline suspension.

1974 - 1977 - Masters

none

1971 - 1977 - Doctors

none

■ OCEAN ENGINEERING
(includes: engineering aspects of marine sediment transport, soil permeability, wind and tidal power, marine pollution, waste disposal in the ocean)

SEE ALSO Civil Engineering Department

1971 - 1975 - Masters

none

1976 - Masters

2091. Arneson, Robert Jeffrey. Seasonal variations in tidal dynamics, water quality, and sediments in the Coos Bay estuary.

2092. Choi, Byungho. Pollution and tidal flushing predictions for Oregon's estuaries.

1977 - Masters

2093. Downs, Richard Allen. Flows associated with harbor ship traffic.

2094. Higgins, Bruce John. An operation study of the wheelwash dredge Sandwick.

1971 - 1977 - Doctors

none

■ OCEANOGRAPHY, SCHOOL OF
SEE Biological Oceanography
Chemical Oceanography
Geological Oceanography
Geophysics & Geophysical Oceanography

SEE ALSO Civil Engineering Department
General Science Department
Ocean Engineering

■ ORGANIC CHEMISTRY
SEE Chemistry Department

■ OUTDOOR RECREATION
SEE Forest Management Department
Geography Department
Recreation Education

■ PALEONTOLOGY
SEE Geology Department

■ PHARMACEUTICAL CHEMISTRY
SEE ALSO Pharmacology & Toxicology
Pharmaceutical Science

1971 - Masters

none

1972 - Masters

2095. Kallay, Kalman Robert. A medicinal chemical investigation of some p-substituted-1,2-

■ PHARMACEUTICAL SCIENCE

SEE ALSO Pharmaceutical Chemistry
Pharmacology & Toxicology

1971 - Masters

none

1972 - Masters

2097. Franklin, Jack Richard. Medication error rates in a hospital with a ward stock distribution system.

1973 - Masters

2098. Christensen, Dale Blaquiére. A study of the prescription drug purchasing behaviors of independent retail pharmacies.

1974 - Masters

none

1975 - Masters

2099. Jewell, Dale G. Zelinsky. Monitoring patient profiles from the pharmacy - an opportunity for the pharmacist to contribute to patient care.

1976 - Masters

none

1977 - Masters

2100. Evans, Timothy Warren. Development and evaluation of a computer aided pharmacy profile review system in a community hospital.

1971 - 1974 - Doctors

none

1975 - Doctors

2101. Laskar, Paul Andrew. Preformulation studies with 1, 3-bis (2-chloroethyl)-1-nitrosourea (NSC 409962).

1976 - 1977 - Doctors

none

■ PHARMACOGNOSY

SEE Pharmacology and Toxicology

■ PHARMACOLOGY AND TOXICOLOGY

1971 - 1972 - Masters

none

1973 - Masters

2102. Stipe, Arthur Allan. Prophylactic therapy of angina pectoris with organic nitrates: relationship of drug efficacy and clinical experimental design.

1974 - Masters

2103. Lorskulsint, Duangchit. Absorption of benzocaine -³H from semisolid dosage forms following rectal administration in rats.
2104. Owings, Gary Lee. The influence of calcium carbonate and calcium gluconate on tetracycline absorption in man.
2105. Peters, James Edward. Free amino acids in cultured higher marine fungi.
2106. Smith, John Robert. Pineal and retinal acetylserotonin methyltransferase activity in trout.

1975 - Masters

2107. Hult, Richard Lee. A comparison of the effect of pH change upon the uptake of 5-fluorouracil into rat liver and Walker 256 carcinosarcoma slices.
2108. Kuhl, Lynda Marie. A study of some physiological properties of ovine and bovine utero-ovarian arteries.

1976 - Masters

none

1977 - Masters

2109. Mayo, Charles Edward. Bioavailability and pharmacokinetics of dyphylline and theophylline in rabbits.

1971 - Doctors

2110. Walsh, Gerald Michael. A pharmacologic and toxicologic comparison of two isomeric chlorinated hydrocarbon insecticides: endrin and dieldrin.

1972 - Doctors

2111. Koeferl, Michael Tallyn. Potentiation of acute carbon tetrachloride hepatotoxicity by dietary exposure to chlorophenothane (DDT) in rats.
2112. Lock, Albert. The vagal inhibitory reflex in the rat stomach.
2113. Lu, Irene. The effects of the carcinostatic compound 1,3-bis(2-chloroethyl)-1-nitrosourea (BCNU) on the hepatic microsomal enzyme systems in rats.

1973 - Doctors

none

1974 - Doctors

2114. Hoffman, Norbert Edward. Calcium regulation and physiological function in animals exposed to lead.

1975 - Doctors

none

1976 - Doctors

2115. Smith, John Robert. The relationship between environmental lighting and hydroxyindole-o-methyltransferase activity in the pineal gland of steelhead trout (Salmo gairdneri).

1977 - Doctors

2116. Hult, Richard Lee. Intracellular pH and the uptake of carcinostatic drugs by selected experimental tumors.

■ PHARMACY, SCHOOL OF

SEE Pharmaceutical Chemistry
Pharmaceutical Science
Pharmacology and Toxicology

■ PHARMACY ADMINISTRATION

SEE Pharmaceutical Science

■ PHYCOLOGY

SEE Botany and Plant Pathology Department

■ PHYSICAL CHEMISTRY

SEE Chemistry Department

■ PHYSICAL EDUCATION (School of Education)

SEE ALSO Health Education

1971 - Masters

2117. Martin, Robert Booth. Home made equipment as a possible solution to athletic budget problems in class "A" high schools of Oregon.

1972 - 1974 - Masters

none

1975 - Masters

2118. Nelson, Richard Cornelius. A history of intercollegiate wrestling at Oregon State University (1909-1974).

1976 - Masters

2119. Cox, Theodore William. Physical fitness parameters of male youth in U.S.A. and Belize, Central America.
2120. French, Stephen Neil. Fatigue patterns of flexor and extensor muscle groups about weight-bearing and nonweight-bearing joints of humans.
2121. Johnson, Ronald Myls. The effects of functional isometric and dynamic training programs on dynamic and static strength.

1977 - Masters

2122. O'Neill, Judith Anne. Self-cathexis and body-cathexis of participants in selected environmental sport activities.

1971 - 1972 - Doctors

none

1973 - Doctors

2123. Reeder, Wendell Lee. A study of the general and managerial professional education competencies of community college physical education instructors.

1974 - Doctors

2124. Paldanius, Ward Albert. Analysis of coaching competencies identified by selected Oregon high school men athletic coaches and school principals.
2125. Sherman, Frank A. Essential elementary school physical education facilities as determined by a national survey and a comparison to the existing facilities in Oregon.

1975 - Doctors

2126. Neklason, Linda Charlotte. Labyrinthine dysfunction and underwater submergence.

1976 - Doctors

2127. Doherty, Michael Thomas. An analysis of the relationship between selected autobiographical data and the personality traits of high school basketball players.
2128. Neeley, Frances Ann Sanders. Personality characteristics of selected men and women athletic coaches in Oregon and California.

1977 - Doctors

2129. French, Stephen Neil. Electromyographic biofeedback for tension control during fine and gross motor skill acquisition.

■ PHYSICAL OCEANOGRAPHY

(includes: studies of upwelling, hydrography currents, and winds)

1971 - Masters

2130. Detweiler, John Henry. A statistical study of Oregon coastal winds.
2131. Huyer, Adriana. A study of the relationship between local winds and currents over the continental shelf off Oregon.
2132. Keene, Donald Frederick. A physical oceanographic study of the nearshore zone at Newport, Oregon.
2133. Plank, William Sanford. An experimental evaluation of a passive anti-roll tank system.

1972 - Masters

2134. Dorman, Clive Edgar. Motions of a small spar buoy.
2135. Evans, Richard H. Physical parameters as tracers of Columbia River water.

2136. Frye, Daniel Evan. An examination of the spectrum for coastal winds on the mesoscale.
2137. Rossknecht, Gary Francis. A study of airborne sea-salt particles in western Oregon.

1973 - Masters

2138. Brunson, Burlie Allen. Steric contributions to the seasonal oscillation in sea level off Oregon.
2139. Lung, Hu Ernest. Computer analysis of the surface current field off Oregon based on drift bottle data.
2140. Kantz, Kent William. Chemistry and hydrography of Oregon coastal waters and the Willamette and Columbia Rivers; March and June, 1971.
2141. Reed, Ronald Keith. Rainfall over coastal waters of the Pacific Northwest.

1974 - Masters

2142. Cummings, Timothy Kean. The mesoscale wind field during project JASIN 1972.
2143. Deckard, Dennis E. Vertical current measurement in the Oregon coastal upwelling region.
2144. Gaughan, Michael Kenneth. Breaking waves: a review of theory and measurements.
2145. Sobey, Edwin James Chapin. Rotary bispectral analysis of the wind to current energy transfer.
2146. Wasowski, Stanley Francis. Measurements of turbulent velocities and an examination of their effects on mixing and suspension of particulate matter.

1975 - Masters

2147. Alvarez Sanchez, Luis Gustavo. Currents and water masses at the entrance to the Gulf of California, spring 1970.
2148. Badan-Dangon, Antoine Renaud Fabrice. Density currents induced by freezing in a shallow polar ocean; some heuristic models.
2149. Bodvarsson, Gudrun M. Ocean wave-generated microseisms at the Oregon coast.
2150. Farreras, Salvador Fernando. One-dimensional numerical model test and predictions for the Siuslaw Estuary.
2151. Poole, Stephen Lynn. The effect of the land breeze on the mesoscale wind field off the Oregon coast.
2152. Trump, Clifford Lyons. Fine-scale time variations of rainfall.

1976 - Masters

2153. Wright, Tedd Lynch. A description of the coastal upwelling region off Oregon during July-August 1973.

1977 - Masters

2154. Cabrera-Muro, Homero. Precise north-south oceanographic transect in the Pacific Ocean.
2155. Marthaler, James Gordon. Comparison of sea level and currents off the Oregon coast using mean monthly data.

2156. Short, Kent Stuart. Recent tropical storm climatology in the eastern tropical Pacific Ocean and some applications.

1971 - Doctors

2157. Earle, Marshall Delph. A three component drag probe for the measurement of ocean wave orbital velocities and turbulent water velocity fluctuations.
2158. Phelps, George Thomas. The fluxes of latent and sensible heat in the marine boundary layer.
2159. Swanson, Robert Lawrence. Some aspects of currents in Long Island Sound.

1972 - Doctors

2160. Bourke, Robert Hathaway. A study of the seasonal variation in temperature and salinity along the Oregon-Northern California coast.
2161. Cutchin, David Louis. Low frequency variations in the sea level and currents over the Oregon continental shelf.
2162. Hodgson, Robert Thomas. Fourier imaging in a hydrological medium; a test of the linear invariant hypothesis.
2163. Johnson, Ronald Ernest. Antarctic intermediate water in the South Pacific Ocean.
2164. Paquin, James Edward. A comparison of eddy correlation and dissipation techniques for computing the fluxes of momentum, heat and moisture in the marine boundary layer.
2165. Pillsbury, Ronald Dale. A description of hydrography, winds, and currents during the upwelling season near Newport, Oregon.
2166. Zaneveld, Jacques Ronald Victor. Optical and hydrographic observations of the Cromwell Current between 92°00' west and the Galapagos Islands.

1973 - Doctors

2167. Alvarez-Borrego, Saul. Oxygen-carbon dioxide-nutrients relationships in the northeastern Pacific Ocean and south-eastern Bering Sea.
2168. Jeter, Hewitt Webb. An investigation of high resolution dissolved oxygen profiles off the Oregon coast.

1974 - Doctors

2169. Dorman, Clive Edgar. Analysis of meteorological and oceanographic data from Ocean Station Vessel N (30N 140W).
2170. Enfield, David Bruce. Prediction of hazardous Columbia River bar conditions.
2171. Huyer, Adriana. Observations of the coastal upwelling region off Oregon during 1972.
2172. Williams, Richard Melton. High frequency temperature and velocity fluctuations in the atmospheric boundary layer.
2173. Yao, Neng-chun G. Bispectral and cross-bispectral analysis of wind and currents off the Oregon coast.

1975 - Doctors

2174. Roach, David Michael. The determination of refractive index distributions for oceanic particulates.
2175. Shreffler, Jack Henry. A numerical model of heat transfer to the atmosphere from an Arctic lead.

1976 - Doctors

none

1977 - Doctors

2176. Amstutz, David Elam. Stereophotogrammetric reconnaissance of ocean wave/sea ice interaction.
2177. Marmorino, George Otto. Temperature fine-structure and microstructure observations in the coastal upwelling region off Oregon during the summer of 1974.
2178. Simpson, James Joseph. Small scale temperature structure of the upper ocean.
2179. Sobey, Edwin J. The response of Oregon shelf waters to wind fluctuations: differences and the transition between winter and summer.
2180. Trump, Clifford Lyons. Effects of mesoscale atmospheric convective cells on the waters of the East China sea.

■ PHYSICS DEPARTMENT

SEE ALSO General Science (radiological physics)
Geophysics and Geophysical Oceanography
Physical Oceanography

1971 - 1977 - Masters

none

1971 - Doctors

2181. Barnes, Walter Earl. The decay of Pd^{109} , Pd^{111g} , Pd^{111m} .
2182. Carlson, James Robert. $k^- + p \rightarrow k^0 + \Xi^0$ differential cross section measurement at 1.8 GeV/c.
2183. Jauch, Delbert Edwin. Measurement of the neutral cascade hyperon lifetime.
2184. Nisley, Richard Arthur. The unitary model operator approach to structure in the 2s-1d shell.
2185. Wilson, Mark Alexander Dexter. Spin-flip probability of protons inelastically scattered from carbon and sulfur.

1972 - Doctors

2186. Czarnik, John Wolfgang. Dissociative excitation of H_2 .
2187. Losee, Jon Robert. Experimental electron energy distributions for Townsend discharges in argon gas.
2188. Lynch, Donald James. Observation of fine structure interference effects in Lyman-Beta radiation from beam-foil excited hydrogen atoms.

2189. Rogers, Charles William. Inelastic scattering of 17-MeV protons from ^{14}N and ^{15}N .

■ PLANT PATHOLOGY AND MORPHOLOGY
SEE Botany and Plant Pathology Department

2190. Srivastava, Rajendra Prasad. Effects of coupled atomic states on the resonance scattering of radiation.

■ PLANT PHYSIOLOGY
SEE Botany and Plant Pathology Department

1973 - Doctors

2191. Alguard, Mark John. Stark induced intensity beats in Lyman-beta and Lyman-alpha emission from beam-foil formed hydrogen atoms.

■ PLANTS
SEE Biological Oceanography
Crop Science Department
Forest Management Department
Horticulture Department

1974 - Doctors

2192. Donally, James Maxwell. Measurement of Hall coefficient of liquid solutions of thallium-tellurium.

■ POULTRY SCIENCE DEPARTMENT

2193. Hicks, Jay Charles. Electron-phonon contribution to the electronic density of states in a dilute alloy.

none

2194. Hogan, Lewis Gregory. The recombination of atomic oxygen.

1974 - Masters

2195. Strayer, Richard Wesley. Work function measurements of single crystal surfaces by the field emission retarding potential method.

2205. Reading, Craig Merrill. Long-term feeding of dieldrin, with a calcium stress to Japanese quail (*Coturnix coturnix japonica*).
2206. Robson, William Andrew. Effects of DDE and DDT on the performance of coturnix quail.

1975 - Doctors

1975 - 1976 - Masters

2196. Chen, Wen-hsiung. Thermally limited spin-bath relaxation of trivalent cerium ions in calcium fluoride.

none

2197. Crouch, Keith Goodin. Surface effects in photoemission from potassium.

1977 - Masters

2198. Pyncheon, George Earl. A collective coordinate theory of liquid helium via the Green's function equations of motion.

2207. Green, Willard Wendell. Analysis of laying house mortality in a line of single comb white leghorns.

2199. Johnson, Jerris Frederick. Optical constants of polar solids.

2208. Wigle, William Logan. Short-term storage and pooling of chicken semen as related to fertility and hatchability.

1976 - Doctors

1971 - Doctors

2200. Garg, Hari Prasad. Detection and electric field quenching of nitrogen atoms in the $2s2p^33s^6S_{5/2}$ metastable autoionizing state.

none

2201. Leung, Yee Kit. Atomic ejection in the single crystal sputtering of nickel with 40 - 600 eV argon ions.

1972 - Doctors

2202. Shobaki, Jaser Mohammed. Angular correlation studies of $E^2/M1$ gamma-ray multipole mixing ratios in odd-mass spherical nuclei.

2209. Hughes, Buddy Lee. Effect of posterior pituitary hormones on fertility in the domestic fowl.

2210. Johnston, Norman Paul. Improvement of white western wheat for chickens through application of dietary additives.

1977 - Doctors

1973 - Doctors

2203. Bharatiya, Narsingh Ramniwas. Electron-phonon interactions and de Haas-van Alphen effect in dilute non-magnetic alloys.

none

1974 - Doctors

2204. Eide, Stuart Ames. The effect of ultra-high pressure on the emf of thermocouples.

2211. Ramachandran, Vama. Minimum vitamin requirements and vitamin interrelationships for growth in Japanese quail (*Coturnix coturnix japonica*).

■ PLANT ANATOMY
SEE Botany and Plant Pathology Department

1975 - Doctors

■ PLANT ECOLOGY
SEE Botany and Plant Pathology Department

2212. Cramer, Jean. Genetic and physiological parameters related to body size in five strains and crosses of the domestic turkey (*Meleagris gallopavo*).

2213. Spiller, Robert James. Sexual maturity and performance of white leghorn pullets subjected to intermittent watering, lighting regimes, and nutrient restrictions.

1976 - 1977 - Doctors

none

- PSYCHOLOGY
SEE Counseling and Guidance
Family Life Department
- RADIATION BIOLOGY
SEE Chemical Oceanography
General Science Department
- RADIOLOGICAL HEALTH
SEE General Science Department
- RADIOLOGICAL PHYSICS
SEE General Science Department
- RADIO-ECOLOGY, OCEANOGRAPHY
SEE Biological Oceanography
Chemical Oceanography
- RANGE ECOLOGY
SEE Animal Science Department
- RANGE MANAGEMENT
SEE Animal Science Department
- RANGELAND RESOURCES
SEE Animal Science Department
- RECREATION
SEE Forest Management Department
Geography Department
Recreation Education

■ READING EDUCATION

1971 - 1977 - Masters

none

1971 - Doctors

2214. Hoyser, Elizabeth Emily. Therapeutic non-directive play with low achievers in reading.
2215. Paoni, Frank John. Reciprocal effects of sixth graders tutoring third graders in reading.
- 1972 - Doctors
2216. Florence, Ninette Leona. A study of the effects of summer vacation activities on the reading ability of elementary school children.
2217. Geil, Harry Charles. Status and characteristics of reading programs in Oregon public secondary schools.

1973 - Doctors

2218. Jackson, Wilbur John. A study of the relationship between a small group discussion activity, the self-concept and reading achievement of selected fourth grade boys and girls.

1974 - Doctors

2219. Haselton, Shirley Schantz. Identification of reading and study skills related to academic success in each of ten schools at Oregon State University.

1975 - Doctors

2220. Shaw, Joan S. The effect of perceptual-motor physical education program on reading achievement in grade one.

1976 - Doctors

none

1977 - Doctors

2221. Holcomb, Carol Ann. Use of the cloze procedure as a criterion for measuring the readability of selected patient education materials for older adults.

■ RECREATION EDUCATION

1971 - 1977 - Masters

none

1971 - Doctors

none

1972 - Doctors

2222. Murphy, James Fredrick. Egalitarianism and separatism: a history of approaches in the provision of public recreation and leisure service for blacks, 1906-1972.
2223. Wilder, Robert Lee. The recreation resource-user of the Bend Ranger District, Deschutes National Forest, Oregon.

1973 - Doctors

none

1974 - Doctors

2224. Howard, Dennis Ramsay. Multivariate relationships between leisure activities and personality.

1975 - Doctors

2225. Guadagnolo, Frank Bernard. An analysis of ecological indices and leisure participation with selected dimensions of self-concept among the elderly.
2226. Klar Jr., Lawrence Ronald. The relationship between competitive recreation and personal adjustment.
2227. Meganck, Richard Albert. Colombia's national parks: an analysis of management problems and perceived values.

1976 - Doctors

2228. Christensen, Donald Watson. An evaluation and criteria for implementation of a recreational motorboat educational licensing practice in Oregon.

1977 - Doctors

none

■ SANITARY ENGINEERING

SEE Biological Oceanography
Civil Engineering Department
Ocean Engineering

■ SCIENCE, SCHOOL OF

SEE Atmospheric Sciences Department
Biochemistry and Biophysics Department
Botany and Plant Pathology Department
Chemistry Department
Computer Science Department
Entomology Department
General Science Department
Genetics
Geography Department
Geology Department
Mathematics Department
Microbiology Department
Physics Department
Statistics Department
Zoology Department

■ SCIENCE EDUCATION

SEE ALSO Industrial and Technical Education

1971 - Masters

none

1972 - Masters

2229. Harms, Kenneth Kiely. A comparison of theoretical model construction between primary students using science curriculum improvement study materials (SCIS) and non SCIS primary students.

1973 - 1977 - Masters

none

1971 - Doctors

2230. Adams, Ruth Helen. Determination and comparison of biological principles in the public press and in BSCS biology texts.
2231. Daus, Donald Roger. Evaluation of the influence of multi-level reading materials on the achievement of fifth grade elementary science pupils when placed at reading level by an informal reading inventory.
2232. Lippe, Dwight Edgar. Some effects of videotape feedback on selected verbal and non-verbal teaching behaviors of prospective elementary teachers.
2233. McClure, Sherman Le Jeal. The application of cognitive dissonance theory to the acquisition of a Piagetian conservation task by selected elementary school children.

2234. Steiner, Robert Lewis. A factor analytic study of the attitudes of Oregon high school seniors toward socially significant science-related issues.

1972 - Doctors

2235. Anderson, Doloris Gerkewicz. An analysis of the effect of mathematics readiness education at the kindergarten level on the growth of conceptual ability of number as measured by Piaget's stages of the development of number.
2236. Barnhart Jr., Richard Burton. Attitudes of secondary school science and non-science teachers toward certain science related societal issues.
2237. Eggen, Paul Duane. A comparison of student affect and kinesic behavior.
2238. Hall, John Franz. The use of history of science case studies with first year education students to teach skills involved in scientific thinking.
2239. Huntsberger, John Paul. A study of the relationship between the elementary science study unit attribute games and problems and the development of divergent-productive thinking in selected elementary school children.
2240. Pearce, Richard Mott. An evaluation of expressed level of aspiration as a determinant of performance in an undergraduate biology course.
2241. Raymond, Anne Dawley. The acquisition of nonverbal behaviors by preservice science teachers and their application during student teaching.

1973 - Doctors

2242. Kelly, Joseph Richard. Visually perceived nonverbal behaviors of teachers and their relationship to affective responses of students.
2243. Pinneo, Robert Orin. A comparative study of time-sharing vs. batch processing in the teaching of introductory programming in FORTRAN.

1974 - Doctors

2244. Copeland, Robert McDaniel. A comparative study of visually perceived teacher non-verbal behavior and the formation of student affect among members of three different ethnic groups.
2245. Henry, Kermit Maxson. The effect of games on cognitive abilities and on attitudes toward mathematics.
2246. Marcy, Douglas Eugene. A comparison of three methods of teaching college chemistry.

1975 - Doctors

2247. Thompson, Thomas Edward. A survey of the status and the needs opinion of science education in Oregon during the 1973-74 school year, grades K-12.

1976 - Doctors

2248. Brush, Edwin Graham. Science education in a Philippine village.
2249. Clay, Sister Corinne. A study of the effect of two programs in high school biology upon critical thinking ability, specific affective behaviors, and attitudes toward education.
2250. Eyers, Vivian George. Environmental knowledge and beliefs among grade ten students in Australia.
2251. Fick, Donald Leonard. The effects of two selected elementary science study units on divergent-productive thinking and nonverbal cognitive abilities.
2252. Henderson, Gwendolyn Witherspoon. Science for the societally liabiled [sic]: the effect of a preliminary language-technique course upon academic success.
2253. Hunt, Howard Cecil. Concurrent remediation for inadequate preparation for the calculus.
2254. Thompson, Linda Grace. A study of the effect of an answer-until-correct multiple-choice procedure on mathematics achievement.

1977 - Doctors

2255. Ehindero, Olusola Joseph. Relationships between Piagetian cognitive development at the formal level and science background among prospective elementary school teachers.
2256. Hoover, John Michael. The effects of the science curriculum improvement study (SCIS) on science achievement of selected sixth grade students.
2257. Monier, Mohammad Ibrahim. Some effects of an activity approach to teaching geometry in the high schools in Afghanistan.
2258. Swearingen, Dell L. The influence of applied mathematics problems on the achievement and attitude of community college vocational students.

■ SCIENCE, HISTORY OF

SEE General Science Department

■ SECONDARY EDUCATION

SEE Elementary and Secondary Education

■ SECRETARIAL SCIENCE

SEE Business and Distributive Education

■ SOIL SCIENCE DEPARTMENT

SEE ALSO Agricultural Engineering Department
Civil Engineering Department
Crop Science Department
Forest Engineering Department

1971 - Masters

2259. Bhella, Harbans Singh. Subterranean clover yield and nutrient content as influenced by soil molybdenum status.
2260. Fazilat, Mohammad. Growth rate and phosphorus uptake of wheat (*Triticum aestivum* VILL., Host) as a function of soil water suction and soil temperature.

2261. Gaynor, John Donald. Surfactant effects on bromacil and picloram adsorption by Oregon soils.
2262. Henning, Stanley John. Zinc-phosphorus relationships in five plant species.
2263. Nilsson, Colin Wayne. Leaf stress in corn, beans, and tomatoes under optimum soil moisture conditions.
2264. Schöne, Dieter Hans-Friedrich. Nutrient uptake by conifer seedlings as influenced by root CEC and competing species.
2265. Sepaskhah, Ali Reza. Nitrogen uptake by wheat (*Triticum aestivum* VILL., Host) as a function of root temperature and plant water stress.

1972 - Masters

2266. Akrotanakul, Wane. The effect of soil temperature and soil moisture stress on S-urea mineralization and ryegrass yield.
2267. Impithuksa, Viroch. Management effects on the nitrogen phosphorus and sulphur status of grass-legume pastures.
2268. Jacks, Clinton Cecil. Potato yield and grade as influenced by nitrogen fertilizer and irrigation frequency.
2269. Peterson, Paul William. Liming requirement of selected Willamette Valley soils.
2270. Young, Richard Su-shung. Ion uptake by wheat (*Triticum aestivum* VILL., Host) as a function of soil water suction and soil temperature.

1973 - Masters

2271. Spycher, Gody. Extractable forms of Al and Fe in acid Western Oregon soils.

1974 - Masters

2272. Jarrell, Wesley Michael. Molybdenum status of subclover (*Trifolium subterraneum*) as affected by Mo and S fertilization and soil type.
2273. Kanji, Badrudin Jamal. Nitrogen accumulation during the growing season by russett Burbank potatoes (*Solanum tuberosum*).
2274. Tucker, Gary Bert. Disposal of dairy cow waste slurries on Amity silty clay loam soil.
2275. Wivutvongvana, Paibool. Corn (*Zea mays* L.) yields as influenced by nitrogen, row spacing and intercropped ryegrass (*Lolium multiflorum*).

1975 - Masters

2276. Abuzkhar, Ahmed Ali. The potassium status of Eastern and Central Oregon soils.
2277. Brown, Randall Barber. Genesis of some soils in the central western Cascades of Oregon.
2278. Cottrell, Nancy McCombs. Disposal of municipal wastes on sandy soil; effect on plant nutrient uptake.
2279. Halitligil, Mahmut Basri. Effect of soil moisture, temperature, bulk density, and texture on emergence of three wheat varieties (*Triticum aestivum*, L.).

2280. Halvorson, Gary Alfred. Movement of elemental constituents in sagehill loamy sand treated with municipal waste.
2281. Hee, Stephen Michael. Effect of nitrogen fertilization on peppermint oil quality and content.
2282. Hodges, Tom. Leaf elongation as a function of soil water potential and photoperiod.
2283. Kalayci, Mufit. Effect of N, Mn, and Cr treatments on nutrient uptake by barley, oats, wheat, and triticale.
2284. Kresge, Paul Owen. Identification of potential copper and molybdenum livestock nutrition problems with forage analysis.

1976 - Masters

2285. McCarthy, Michael John. Some effects of sulfur fertilization on the nutrient value of subclover-grass forage.
2286. Phillips, Michael John. Comparative rates of CO₂ production from the forest floor in the Douglas-fir ecosystem.
2287. Polson, Richard Lewis. Refractory metals processing waste utilization on Dayton silty clay loam soil.
2288. Prothero, Gary Lewis. Nitrogen and heavy metal distribution in soils utilized as sludge disposal sites.
2289. Silvernale, Clair Ellwood. Turbidity in Prineville Reservoir as related to soils and hydrology.
2290. Weber, Michael Sam. Nitrogen-boron-lime interactions affecting the production of table beets.
2291. Yingjajaval, Suntaree. Ozone inhibition of transpiration and photosynthesis of two soybean (Glycine max. (L.) Merr.) cultivars.

1977 - Masters

2292. Ambler, John Richard. Varietal differences in response of winter wheat varieties to nitrogen fertilizer and environment.
2293. Ezenwa, Matthew Ikechuku Sunday. Comparative study of some soil characteristics of grassland and forest/grassland transition in western Oregon.
2294. Warner, Susan Ann. Cation exchange properties of forest litter as influenced by vegetation type and decomposition.

1971 - Doctors

2295. Franklin, William Talbert. Mineralogical and chemical characteristics of western Oregon Andic soils.
2296. Murarka, Ishwar Prasad. The effects of nitrogen, potassium and chloride on nutrient composition in Russet Burbank potatoes (Solanum tuberosum).
2297. Nagpal, Narender Kumar. Measurement and interpretation of physical properties of soils.
2298. Rai, Dhanpat. Stratigraphy and genesis of soils from volcanic ash in the Blue Mountains of Eastern Oregon.

1972 - Doctors

2299. Christensen, Neil Walter. A new hypothesis

to explain phosphorus-induced zinc deficiencies.

2300. Doak, William Herman. Cation retention and solute transport related to porosity of pumiceous soils.
2301. Meurisse, Robert Thomas. Site quality of western hemlock and chemical characteristics of some western Oregon andic soils.
2302. Rojanasoonthon, Santhad. Morphology and genesis of Gray Podzolic soils in Thailand.
2303. Saxena, Subodh Kumar. Theoretical and experimental evaluation of transfer of 2,4-dichlorophenoxyacetic acid in porous media.
2304. Schreiber, Jonathon Dennis. Moisture influences on bromacil distribution in the soil and resultant uptake and phytotoxicity.

1973 - Doctors

2305. Dudas, Marvin Joseph. Mineralogy and trace element chemistry of Mazama ash soils.
2306. Erfan Ali, Shaikh Muhammad. Influence of cations on aluminum toxicity in wheat (Triticum aestivum Vill., Host).
2307. Gaynor, John Donald. Atrazine, terbutryn and GS-14254 adsorption, desorption and solubility in salt solutions and movement in soil materials.
2308. Harris, Billy Lynn. Genesis, mineralogy, and properties of Parkdale soils, Oregon.
2309. Kuo, Eugene Cheng-yen. The reactions of picloram and 2, 4-D with montmorillonite clays and soils.
2310. Norgren, Joel Arvid. Distribution, form and significance of plant opal in Oregon soils.
2311. Reckendorf, Frank Fred. Techniques for identifying flood plains in Oregon.
2312. Rykbost, Kenneth Albert. An evaluation of soil warming for increased crop production.
2313. Scott, William. Some soil factors affecting snowbrush nodulation.
2314. Webber, Bruce Douglas. Plant biomass and nutrient distribution in a young Pseudotsuga menziesii forest ecosystem.

1974 - Doctors

2315. Barlow, Edward William Ross. Physiological effects of water stress on young corn plants.
2316. Dingus, Delmar DeLee. The nature and properties of amorphous colloids formed from Mazama tephra.
2317. Sepaskhah, Ali Reza. Experimental analysis of subsurface heating and irrigation on the temperature and water content of soils.

1975 - Doctors

2318. Henning, Stanley John. Aluminum toxicity in the primary meristem of wheat roots.
2319. Young, Richard Su-shung. Temperature and water potential effects on physiological functions of sudangrass (Sorghum vulgare var. Piper).

1976 - Doctors

2320. Fredriksen, Richard Lee. Nitrogen, phosphorous and particulate matter budgets of five coniferous forest ecosystems in the western Cascades Range, Oregon.

2321. Rhue, Roy Dean. The time-concentration interaction of Al toxicity in wheat root meristems.

1977 - Doctors

2322. Jarrell, Wesley Michael. Nitrogen release from granules of sulfurcoated urea.
2323. Kauffman, Marvin Dean. The effect of soil acidity and lime placement on root growth and yield of winter wheat and alfalfa.
2324. Kowsar, Ahang. Soil surface application of asphalt in afforestation in semi-arid zones of Iran.
2325. Kresge, Paul Owen. Diagnosis and correction of copper deficiency of small grains in Oregon.
2326. Pettygrove, George Stuart. Urea release from sulfur-coated urea and nitrogen utilization by tall fescue.

■ STATISTICS DEPARTMENT

1971 - 1977 - Masters

none

1971 - Doctors

2327. Bogdanoff, David Allen. Bayesian inference for the Weibull distribution.
2328. Seymore, George Edward. Interval integer programming.

1972 - Doctors

2329. Burnham, Kenneth Paul. Estimation of population size in multiple capture-recapture studies when capture probabilities vary among animals.
2330. Crain, Bradford Robert. Nonparametric estimation of distributions using orthogonal expansions.
2331. McRae, Kenneth Bruce. Inference procedures for pairs of distributions with proportional failure rate functions.

1973 - Doctors

2332. Ferguson, Nancy Chyan-huei Lo. Performance of some tests for bivariate independence, interchangeability, and equality of distributions of ratios.
2333. Olsen, Anthony Robert. Quadratic unbiased estimation for two variance components.
2334. Schroeder, Anita Gayle. Classification schemes on incomplete block models.
2335. Shepard, Lonnie Blair. Monte Carlo evaluation of empirical approximation of mixing distributions.

1974 - Doctors

2336. Armstrong, Gerald Andrew. A characterization

of strongly identifiable linear functionals of mixing distributions.

2337. Daly, James Cornelius. A Bayesian approach to two-phase regression.
2338. Deaton, Leonard William. A prior distribution for smooth regression.
2339. Dodge, Yadolah. Estimability considerations for n-way classification experimental arrangements with missing observations.
2340. Fegan, George Reilly. The pure birth process with time-independent, unequal transition parameters: maximum likelihood estimation; exact and computational forms for the expectation and the variance of the process.
2341. Haff, Leonard Ray. Bayesian regression with autoregressive priors.
2342. Olsen, Dale Edward. Statistical prediction intervals.

1975 - Doctors

2343. Chen, Jiin-chiang. Goodness of fit tests under random censorship.
2344. Lejeune, Michael Georges. A maximum likelihood approach to prediction with applications to binomial and Poisson populations.
2345. Ott, Melvin Leroy. Optimal policies in continuous Markov decision chains.
2346. Sexton, Gary Joe. Multivariate density estimation -- A Bayesian approach.

1976 - Doctors

2347. Jan, Shan Wu. A test of hypothesis for a patterned correlation matrix: a Monte Carlo study.
2348. Lee, Chu-in Charles. Conditional expectation given a σ -lattice. Isotonic regression, univariate and multivariate.
2349. Sands, Bradley Roy. Analysis of binary data in the presence of non-Bernoulli sources of variation.
2350. Wille, Jerald Robert. Bayes-Fiducial inference from censored normal data.

1977 - Doctors

2351. Jacroux, Michael Allen. On the theory of (M,S) optimality in incomplete block designs.

■ STUDENTS--INTERESTS AND ATTITUDES OF,

SEE Adult, Community College and Community Education
College Student Services Administration
College, University Administration and Teaching
Elementary and Secondary Education

■ STUDENTS--PSYCHOLOGY

SEE Counseling and Guidance

■ SYSTEMATIC BOTANY

SEE Botany and Plant Pathology Department

■ SYSTEMS DESIGN

SEE Industrial and General Engineering Systems Department

TEXTILES

SEE Clothing, Textiles, and Related Arts
Department

none

1973 - 1977 - Masters

TRADE AND INDUSTRIAL EDUCATION

SEE Industrial and Technical Education
Science Education

1971 - Doctors

2358. Campbell, Hartley Bernard. An examination and assessment of the SUTOE program in Oregon.
2359. Daugherty, Ronald DeWayne. Identification of factors influencing high school students in selecting an occupational program major in an Oregon community college.
2360. Hullman, Don Herman. A study of recruitment techniques which influence student selection of vocational-technical education.
2361. Sparks, Lanny. A study of the effects of various characteristics upon enrollee achievement in the Neighborhood Youth Corps program operating in the rural counties of Oregon.
2362. Wallace, Gordon Lee. An analysis of selected factors relating to the criteria and procedures for selection of occupational advisory committee members.
2363. Ward, Darrell Lin. Vocational education competencies identified for local leaders of occupational education.

TOXICOLOGY, PHARMACEUTICAL

SEE Pharmacology and Toxicology

VETERINARY MEDICINE, SCHOOL OF

SEE Veterinary Medicine Department

VETERINARY MEDICINE DEPARTMENT

1971 - 1973 - Masters

none

1974 - Masters

2352. Peterson, Patricia Lue. Pathogenesis of bovine adenoviral infections in newborn calves.

1975 - Masters

none

1976 - Masters

2353. Gradin, Joseph Lloyd. A selective medium for isolation of Bacteriodes nodosus.
2354. Singh, Harjinder. Transmission of bovine anaplasmosis in eastern Oregon by field collections of Dermacentor andersoni Stiles=(Venustus).

1977 - Masters

2355. Hudkins, Glenna Gale. Experimental cervine Sarcocystis infections in mule deer.
2356. Matlock, Susan Marie. An epidemiologic study of the seasonal incidence of nematode parasites in sheep on irrigated pastures in Central Oregon.

1971 - 1977 - Doctors

none

VOCATIONAL EDUCATION

SEE ALSO Adult, Community College, and Community Education (McNelley, William John #30)
Industrial and Technical Education

1971 - Masters

none

1972 - Masters

2357. Smith, Richard Alan. Survey of graduates and undergraduates of North Douglas School District to determine needed improvements in career education.

1972 - Doctors

2364. Schmidt, Richard W. A comparison of student attitudes and learning in interdisciplinary approaches in selected Oregon occupational clusters.
2365. Spaziani, Richard Louis. The application of Bloom's taxonomy to professional education competencies of selected vocational instructors.
2366. Sundstrom, Lloyd Conrad. A factor analysis of the professional education competencies of administrators of vocational education.

1973 - Doctors

2367. Baltimore, Jimmy Ray. A study of professional education competencies of public school district vocational education leaders.
2368. Daly, Crayton Brooks. Projection model assessing the need for instructors of occupational subjects in Oregon's community colleges.
2369. Heuchert, Arnold Henry. A study of the effects of two organizational variables on the perceived need satisfactions of community college vocational administrators in four western states.
2370. Ludlow, Gerald Clayberg. A comparison of student achievement in individualized and traditional electricity-electronics programs and the effects of educators' attitudes.
2371. Phillips, William Ambrose. The role of the vocational teacher as perceived by three groups: non-degree, new-degree and experienced vocational teachers.
2372. Syhlman, Bill Duane. Identification of in-service personnel development needs in career awareness for Portland and Seattle elementary schools.

1974 - Doctors

2373. Baker, John Harvard. Concepts and practices of career education in two elementary school districts in Oregon.
2374. Bowden, Shirley Smith. The influence of work values in the life planning of tenth grade girls.
2375. Huber, Jerry Wayne. Proximity theory and information-system acquisition techniques.
2376. Massie, Jean Elaine. The identification of the processes of vocational education administration.
2377. Navara, James Louis. Analysis of opinions of teacher-coordinators, administrators, and guidance counselors concerning cooperative vocational education.
2378. Reinmuth, Charles Morris. A profile of professional improvement needs as perceived by occupational education instructors in Oregon community colleges.
2379. Warberg, William B. An analysis of the ability and achievement of students in career cluster programs compared to students not in career cluster programs.

1975 - Doctors

2380. Ashlock, James William. Descriptive factors of career education applied to a teacher education model.
2381. Hunsaker, Floyd Rex. A comparison of attitudes between two field-based teacher education programs.
2382. King, Reed Lewis. A comparison of work values of emotionally disturbed adolescents and normal adolescents.

1976 - Doctors

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2384. Howlett, John Leo. A model to identify performance standards for mathematics in a two year post high school occupational program.
2385. Mair, David J. The affect [sic.] that expected social and technological changes will have on established occupations with implications for curriculum development.
2386. Martin, Wanda Mae. An analysis of attitudes and opinions of employer groups concerning cooperative vocational education.
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2389. Ghaffari, Joe H. An analysis of attitudes toward career education.
2390. Hamby, Jeannette J. An analysis of the

effectiveness of a career education cluster curriculum as reflected by student growth in career maturity.

2391. Kramer, Gary Lee. A career education competency-based instructional model.
2392. Stratton, Herbert B. The construction, and use of a model instrument for the assessment of attitude, opinion, and interest related to community resource utilization in career education.

■ WILDLIFE ECOLOGY AND MANAGEMENT

SEE Animal Science Department
Fisheries and Wildlife Department

■ WILDLIFE SCIENCE

SEE Fisheries and Wildlife Department

■ WOMEN'S STUDIES

SEE Adult, Community College, and Community Education (Goltra, Raylene Denise #20)

■ WOOD CHEMISTRY

SEE Forest Products Department

■ WOOD PRODUCTS

SEE Forest Management Department
Forest Products Department

■ ZOOLOGY DEPARTMENT

1971 - Masters

2393. Batie, Robert Edward. Taxonomy and some aspects of the biology of the sea pen Ptilosarcus gurneyi (Cnidaria, Pennatulacea).
2394. Hawkins, Dan Lee. Metabolic responses of the burrowing mud shrimp, Callinassa californiensis, to anoxic conditions.
2395. Poole, Antoinette Marie. Active uptake of chloride across the skin of the frog, Rana pipiens (Schreber).

1972 - Masters

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2396. Burreson, Eugene Michael. Host-parasite relationships of the staghorn sculpin Leptocottus armatus Girard in Oregon.
2397. Elvin, Patricia J. An ultrastructural study of early cleavage in Mytilus.
2398. Lindahl, Alice Marie. Isolation and characterization of the nuclear histones from developing embryos of the brine shrimp, Artemia salina.

1974 - Masters

2399. Hootman, Seth Richard. Fine structure and function of the neck organ in the brine shrimp Artemia salina nauplius.

1975 - Masters

2400. Benson, Jane Rae. A study of the vocal behavior of the American robin.
2401. Hill, David Edwin. The structure of the central nervous system of jumping spiders of the genus Phidippus (Araneae: Salticidae).

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2402. Bartel, Lavon Lee. Sulfonamide sensitivity of Brine shrimp, Artemia salina, Nauplii: an approach to anion transport mechanism.
2403. Kent, Bretton Wayne. A study of predation on Notoplana acticola Boone, 1929 and Cucumaria curata Cowles, 1907 in mussel beds using a serological technique.

1977 - Masters

2404. Breed, Gail Miner. Biology of the microsporidan parasite, Pleistophora sp., in three species of Crangonid sand shrimp.

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2405. Briggs, Jeffrey Lawrence. Investigation of the circadian rhythm of locomotion in the rough-skinned newt, Taricha granulosa.
2406. Clothier, Glen Warren. Aerial and aquatic respiration in the neotenic and transformed Pacific giant salamander, Dicamptodon ensatus (Eschscholtz).
2407. Gibson, Flash. Behavioral patterns and their temporal organization in breeding American Avocets.
2408. Johnson, Sheldon Robert. The thermal regulation, microclimate, and distribution of the mountain beaver, Aplodontia rufa pacifica Merriam.
2409. Martin, Stephen George. Polygyny in the bobolink: habitat quality and the adaptive complex.
2410. Neeley, John Charles. Genetic and environmental influences upon 3X aneuploid viability in Drosophila melanogaster (Meigen).
2411. Walker, Lester Eugene. Osmotic and ionic regulation in a fresh-water teleost, Ictalurus nebulosus (Le Sueur).

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2412. Alspach Jr., George Samuel. Osmotic and ionic regulation in the Dungeness crab, Cancer magister (Dana).
2413. Barnes, James Ray. Ecology and reproductive biology of Tonicella lineata (Wood, 1815) (Mollusca-Polyplacophora).
2414. Brown, Randall Errol. Size variation and food habits of larval bullfrogs, Rana catesbeiana Shaw, in western Oregon.
2415. Chatlynnne, Louise Geller. An ultrastructure study of oogenesis in the sea urchin, Strongylocentrotus purpuratus.
2416. Lovejoy, Bill Pertl. A capture-recapture analysis of a mountain beaver population in western Oregon.
2417. Mozejko, Albert. A food habits study of the snowshoe hare, Lepus americanus

washingtonii Baird, in western Oregon.

2418. Nussbaum, Ronald A. Systematics of the salamander genus Dicamptodon strauch (Amphibia : Caudata : Ambystomatidae).
2419. Presidente, Paul Joseph Alvin. Pathogenicity of experimentally induced concurrent infections of Fasciola hepatica and Haemonchus contortus in sheep.
2420. Thornburg, Kent LuRoy. An electrophoretic analysis of the coelomic and blood sera of the developing and metamorphosing bullfrog tadpole (Rana catesbeiana).
2421. Thum, Alan Bradley. An ecological study of Diatomovora amoena, an interstitial acoel flatworm, in an estuarine mudflat on the central coast of Oregon.
2422. Voth, David Richard. Life history of the caligid copepod Lepeophtheirus hospitalis Fraser, 1920 (Crustacea: Caligoida).
2423. Wasmer, Robert Allen. Zoogeography of pelagic shrimps (Natantia: Penaeidea and Caridea) in the North Pacific Ocean.
2424. Wyandt Jr., Herman Edwin. Study of the human Y chromosome in the interphase nucleus by light microscopy, quinacrine fluoromicroscopy and autoradiography.
2425. Wyatt, Ellis Junior. A biological and taxonomic study of selected myxosporida of some Oregon fresh-water fishes.

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2427. Carter, Richard Thomas. Development of the egg of Manophyetus salmincola (Chapin) and infection of the first intermediate host.
2428. Hanson, Alfred Warren. Life cycle and host specificity of Diclidophora sp. (Monogenea-Diclidophoridae), a parasite of embiotocid fishes.
2429. Hartman, Michael Colyn. A green algal symbiont in Clinocardium nuttallii.
2430. Hull, Shirley Anne. Early events in hydrocortisone induced glutamine synthetase activity in differentiating chick neural retina.
2431. Kroodsma, Donald Eugene. Singing behavior of the Bewick's wren: development, dialects, population structure, and geographical variation.
2432. Noonan, William Edward. Neorickettsia helminthoeca in cell culture.
2433. Scott, James Michael. Resource allocation in four syntopic species of marine diving birds.
2434. Stiffler, Daniel Francis. Renal function in urodele amphibians.

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2435. Batie, Robert Edward. Population structure of the intertidal shore crab Hemigrapsus oregonensis (Brachyura, Grapsidae) in Yaquina Bay, a central Oregon coast estuary.
2436. Morrison, Norman Donald. Sphaeromyxa maiyai sp. n. (Protozoa: Myxosporidea): a light microscopic and ultrastructural analysis

employing the scanning and transmission electron microscopes.

2437. Salamone, Michael. The effects of various factors on the formation and fate of extranuclear chromatic bodies in Tetrahymena pyriformis.
2438. States, James B. Local adaptations in chipmunk (Eutamias amoenus) populations and evolutionary potential at species' borders.
2439. Takahashi Jr., Francis T. Chemical communication and chemoreception in the Dungeness crab, Cancer magister, and the lined shore crab, Pachygrapsus crassipes.
2440. Ulbricht, Richard Jules. Metabolic adjustment to temperature in Strongylocentrotus purpuratus (Stimpson).

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2441. Bureson, Eugene Michael. Biological studies on the hemoflagellates of Oregon marine fishes and their potential leech vectors.
2442. Clover, Robert C. Morphological variations in populations of Lacerta from islands in the Adriatic Sea.
2443. Mullen, Terry Lee. Ionic regulation in anurans.
2444. Peterson, Gary Lee. A study of the sodium+potassium-activated adenosinetriphosphatase in brine shrimp Artemia salina, Nauplii.
2445. Rothlisberg, Peter Charles. Larval ecology of Pandalus jordani Rathbun.
2446. Syse, William E. Breeding habits, embryonic thermal requirements and embryonic and larval development of the Cascade frog, Rana cascadae Slater.

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2447. Hamada, Spencer Hiroshi. The morphological events during the self-reassembly of the sea urchin embryo in culture.
2448. Law, Daniel Tin-hung. Studies on some digenetic trematodes from Ritner Creek, Polk County, Oregon.
2449. Pennington, Janet. Calcium metabolism and regulation in larval Rana catesbeiana.

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2451. Miller, Richard Leo. The biology of two species of Echinorhynchus (Acanthocephala) from marine fishes in Oregon.
2452. Riddle, Clara Varady. The chick allantois: an ultrastructural and cytochemical study of an ion transporting epithelium.
2453. Riddle, Russell R. Density-dependent selection and the maintenance of genetic variation in life-history attributes: evidence from tribolium castaneum and t. confusum in temporally heterogeneous environments.
2454. Seavy, Donald Keith. Seasonal gametogenesis and egg laying in the prosobranch gastropods Nucella lamellosa, Nucella emarginata,

Searlesia dira and Amphissa columbiana on the Oregon coast.

2455. Taylor, James Thomas. The behavioral ecology of larval and neotonic northwestern salamanders (Ambystoma gracile).

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APPENDIX I: THESES & DISSERTATION HEADINGS GROUPED BY SCHOOLS & COLLEGES

(headings without "department" designations
are subject emphases, not formal departments)

COLLEGE OF LIBERAL ARTS

No advanced degrees; see "Interdisciplinary
Studies" for Masters.

COLLEGE OF SCIENCE

Atmospheric Sciences Department
Biochemistry & Plant Biophysics Department
Botany & Plant Pathology Department
Chemistry Department
Computer Science Department
General Science Department
Genetics
Geography Department
Geology Department
Mathematics Department
Microbiology Department
Physics Department
Statistics Department
Zoology Department
Engineering Physics -undergraduate
program only; no thesis

COLLEGE OF AGRICULTURE

Agronomic Crop Science see Crop Science
Department
Agricultural & Resource Economics Department
Agricultural Education (jointly with
School of Education)
Animal Science Department
Crop Science Department
Fisheries & Wildlife Department
Food Science & Technology Department
Horticulture Department
Poultry Science Department
Rangeland Resources see Animal Science
Department
Soil Science Department
Agricultural Chemistry -undergraduate
program only; no thesis
Agricultural Engineering Technology -
undergraduate program only; see
Agricultural Engineering Department
under School of Engineering)

SCHOOL OF BUSINESS

Does not do theses. See "Business Education"
under heading School of Education.

SCHOOL OF EDUCATION (Does not have departments)

Adult, Community College, & Community
Education
Agricultural Education (jointly with School
of Agriculture)
Business & Distributive Education
College Student Services Administration
College, University Teaching & Administration
Counseling & Guidance
Elementary & Secondary Education
Health Education (jointly with School of
Health & Physical Education)
Home Economics Education (jointly with
School of Home Economics)
Industrial & Technical Education
Physical Education
Reading Education
Science Education
Vocational Education
Media Education see Elementary &
Secondary Education

SCHOOL OF ENGINEERING

Agricultural Engineering Department -masters
only
Chemical Engineering Department
Civil Engineering Department
Electrical & Computer Engineering Department
Electrical & Electronics Engineering see
Electrical & Computer Engineering
Department
Industrial & General Engineering Systems
Department
Mechanical Engineering Department
Nuclear Engineering Department
Ocean Engineering (jointly with School of
Oceanography)
Engineering Physics -undergraduate
program only, in College of Science

SCHOOL OF FORESTRY

Forest Engineering Department
Forest Management Department
Forest Products Chemistry see Forest
Products Department
Forest Products Department
Forest Recreation Management see Forest
Management Department
Forest Science Department

SCHOOL OF HEALTH & PHYSICAL EDUCATION

Health Education (jointly with School of
Education)
Physical Education Department
-undergraduate only; see "Physical
Education" under heading School of
Education.

SCHOOL OF HOME ECONOMICS

Clothing, Textiles & Related Arts Department
Family Life Department
Family Resource Management Department
Foods & Nutrition Department
Home Economics Education (jointly with
School of Education)
Institution Management -undergraduate
program only; no theses; see Foods &
Nutrition Department.

SCHOOL OF OCEANOGRAPHY

Biological Oceanography
Chemical Oceanography
Geophysics & Geophysical Oceanography
(jointly with Departments of Physics,
Geology, and Mathematics)
Physical Oceanography
Ocean Engineering (jointly with School of
Engineering)
Marine Resource Management - non-thesis
masters

SCHOOL OF PHARMACY (Does not have departments)

Pharmaceutical Chemistry
Pharmaceutical Science
Pharmacology & Toxicology
Pharmacy Administration see Pharmaceutical
Science

SCHOOL OF VETERINARY MEDICINE

Veterinary Medicine Department