Ph.D. Dissertations and M.S. Theses

SCHOOL OF RENEWABLE NATURAL RESOURCES

THE UNIVERSITY OF ARIZONA
February 24, 1977

Ph.D. Dissertations

1959 Ferguson, Charles Wesley
Annual Rings in Big Sagebrush, Artemisia Tridentata. 162 pages.

1960 Hungerford, Charles Roger
The Factors Affecting the Breeding of Gambel's Quail, Lophoryyx Gambelii Gambel in Arizona. 94 pages.

1961 Dalton, Patrick D., Jr.

1963 Schmutz, Ervin M.
Factors Affecting the Absorption, Translocation, and Toxicity of Herbicides on Creosotebush.

1963 Tachirley, Fred M.
A Physio-Ecological Study of Jumping Cholla (Opuntia Fuligida Engelm.) 100 pages.

1964 Martin, Samuel Clark
Some Factors Affecting Vegetation Changes on a Semi-Desert Grass—Shrub Cattle Range in Arizona. 122 pages.

1966 Qashu, Hasan Khalil
Estimation of the Elements of the Water Balance of Ephemeral Stream Channel With Riparian Vegetation. 141 pages.

1966 Thames, John Long

1966 Zwolinski, Malcolm John
Changes in Water Infiltration Capacities Following Burning of a Ponderosa Pine Forest Floor.

1967 Blydenstein, John
The Savanna Vegetation of the Llanos Orientales, Colombia.

1967 Claveran, Ramon Alonso
Desert Grassland Mesquite and Fire. 164 pages.
1967 Marquiss, Robert W. 

1967 Saunier, Richard Eugene 
Geographic Variability of Creosotebush in Response to Moisture and Temperature Stress. 99 pages.

1968 Fogel, Martin M. 
The Effect of the Spatial and Temporal Variations of Rainfall on Runoff From Small Semi-arid Watersheds.

1968 Lehman, Gordon Stanley 

1968 Mace, Arnett C., Jr. 
The Influence of Climatic, Hydrologic, and Soil Factors on Evapotranspiration Rates of Tamarisk (Tamarix Pentandra Pall.) 104 pages.

1968 White, Larry D. 
Factors Affecting Susceptibility of Creosotebush (Larrea Tridentata (D.C.) Cov.) To Burning.

1969 Budelsky, Carl A. 
Variation in Transpiration and its Relationship With Growth for Pinus Ponderosa Lawson in Southern Arizona. 85 pages.

1969 Knipe, Oren Duane 
Factors Affecting the Germination of Alkali Sacaton (Sporobolus Airoides Torr.) 82 pages.

1970 Brooks, Kenneth Norman 
The Effects of Antitranspirant Chemicals on the Transpiration and Physiology of Tamarix Species. 84 pages.

1970 Ffolliott, Peter Frederick 

1970 Maynard, Michael Lee 
1970  Tiedemann, Arthur Ralph  
Effect of Mesquite (Prosopis Juliflora) Trees on Herbaceous Vegetation and Soils in the Desert Grassland. 159 pages.

1971  Bryant, David Arley  
Fertilization and Burning Effects on Use of Desert Grassland by Cattle. 157 pages.

1971  Halverson, Howard Gene  
Seasonal Snow Surface Energy Balance at the Central Sierra Snow Laboratory. 107 pages.

1971  Williams, Kenneth Buck  

1972  Beasley, R. Scott  
Bristlecone Pine (Pinus Longaeva) in Relation to Environmental Factors and Soil Properties in East-Central Nevada. 151 pages.

1972  Foerster, Eugene Paul  
The Effect of Urbanization on Watershed Runoff.

1972  Foster, Kenneth Earl  
Mathematical Analysis of Soil Temperatures in an Arid Region. 83 pages.

1972  Galt, Henry Deloss  
Relationship of the Botanical Composition of Steer Diet to Digestibility and Forage Intake on a Desert Grassland.

1972  Kitchen, Joseph H.  
Measurements of Salt Dispersion in Unsaturated Sand Using Pulsed Electronic \textsuperscript{18}O-schrometer. 75 pages.

1972  Kurtz, William Boyce  
The Demand for Motor Boat Use of Large Reservoirs in Arizona. 150 pages.

1972  Peine, John Douglas  
Land Management for Recreational Use of Off-Road Vehicles.

1972  Pinkney, Fred Coatsworth  
Carbohydrate Reserves and Photosynthesis in the Hilaria Genus. 101 pages.

1972  Tinlin, Richard McGee  
1973  Czarnowski, Kenneth James  
The Role of Vacation Homes in a Recreation Complex.  166 pages.

1973  Fish, Ernest Berty  
Phytosociology Studies of a Desert Grassland Site.  46 pages.

1973  Rasmussen, William Otto  

1973  Tromble, John M.  
Thermal Gradients and Water Transfer in Unsaturated Soil.

1973  Welch, Tommy Gwenn  
Distribution of Nitrogen and Carbon in Ponderosa Pine Ecosystems as a Function of Parent Material.

1973  Zere, Gebrehiwet  
Economics of Water Development on Government Lands in Southern and Southeastern Ethiopia.  105 pages.

1974  Bartlett, Ellsworth Thomas  
A Decision-Aiding Model for Planning Optimal Resource Allocation of Water Basins.

1974  Heidmann, LeRoy Jerpe  
An Investigation into the Causes and Prevention of Frost Heaving of Forest Tree Seedlings.

1974  Patton, David Roger  
Characteristics of Ponderosa Pine Stands Selected by the Abert's Squirrel for Cover.

1974  Schickedanz, Jerry Guy  
Seasonal Growth, Development, and Carbohydrate Reserves of Three Native Range Grasses in Response to Seasonal Moisture and Nitrogen Fertilization.

1974  Rietveld, Willis James  
Chemical Ecology of a Northern Arizona Ponderosa Pine-Bunchgrass Community.

1974  Beschta, Robert L.  
Streamflow Hydrology and Simulation of the Salt River Basin in Central Arizona
1974  Born, Ted Jay
      Characteristics and Satisfactions of Elderly Winter
      Visitors at Public Land Camping Sites in the Lower
      Colorado River Basin. 154 pages.

1974  Burde, John Henry III
      The Use of Production Economics to Allocate Resources
      in Timber and Herbage Production. 165 pp.

1974  Cary, Lawrence Ernest
      A Stochastic Snow Model. 135 pp.

1974  Matias Filho, Jose (Brazil)
      Water Resources Management for Part of the Lower Gila
      Valley.

1975  Affleck, Richard Steven
      Potential for Water Yield Improvement in Arizona
      Through Riparian Vegetation Management. 238 pp.

1975  Haferkamp, Marshall Roy
      Some Physiological and Physical Changes Exhibited by
      Seeds of Lehmann Lovegrass with Pre-sowing Seed
      Treatments of Moistening and Drying. 114 pp.

1975  Schultz, A. Jay
      The Use of Science in Natural Resource Policy making.
      155 pp.

1975  Barth, Richard C.
      Spatial Distribution of Carbon on Nitrogen in Some
      Desert Shrub Ecosystems. 130 pp.

1975  DeArango, Filho
      Characterization of Range Sites in the Empire Valley

1975  Heywood, John Lee
      Group Cohesiveness and Satisfaction on Grand Canyon
      Colorado River Raft Trips. 161 pp.

1976  Pond, Floyd Williams
      Growth, Development and Nutritive Value of Some Arizona
      Chaparral Species. 120 pp.

1976  Eakle, Thomas William
      The Effects of Controlled Burning on a Southwestern
      Ponderosa Pine Understory: a factor analysis.

1976  Garcia, Rasmo (Brazil)
      Carbohydrate Reserves, Growth and Development of
      Sideoats Grama as Influenced by Seasonal Clipping
1976  Fischer, John North
Simulation of Hydrologic Processes for Surface Mined
Lands.  122 pp.

M.S. Theses and Professional Papers

1954  Johnsen, Thomas N., Jr.
The Effects of Nitrogen and Phosphate Fertilizers
Upon a Southern Arizona Range.  26 pp.

1955  Barr, George V.
A Comparison of the Survival Over a Twenty-Year
Period of Several Native Arizona Grasses.  34 pages.

1955  Freeman, Barry N.
The Effects of Nitrates and Phosphates Upon
Forage Production of a Southern Arizona Desert
Grassland Range.  26 pages.

1955  Leviness, Edward Arthur
Perennial Grass Preferences of Range Livestock
on the Western Slope of the Dragoon Mountains of
Southern Arizona.  30 pages.

1955  Mehrhoff, Loyal A., Jr.
Vegetation Changes on a Southern Arizona
Grassland Range- an Analysis of Causes.  48 pages.

1956  Branscomb, Bruce L.
Shrub Invasion of a Southern New Mexico Desert
Grassland Range.  43 pages.

1956  Cooper, Charles F.
Yield and Value of Wild-Land Resources of the
Salt River Watershed, Arizona.  47 pages.

1956  Garner, James B.
The Effects of Various Formulations of Three Phenoxy
Herbicides on Acacia Vernicosa Standl. and
Flourensia Cernua DC.  25 pages.

1957  Blydenstein, John
The Survival of Velvet Mesquite (Prosopis

1959  Cable, Dwight R.
Some Effects of Fire and Drought on Semidesert
Grasses and Shrubs.  27 pages.

1959  Holt, Gary A.
The Effect of Commercial Fertilizers on Forage
Production on a Desert Grassland Site.  29 pages.
1959  Kincaid, David Reed  
The Upper Desert Grassland of Southern Arizona - 
a Basic Ecological Analysis.  38 pages.

1959  Tixier, J.S.  
Effect of Ammonium Phosphate on a Southern Arizona  
Desert Grassland Range.  20 pages.

1960  Whitham, David Walter  
An Ecological and Economic Study of the Effect of  
Various Herbicidal Treatments on Grass-Shrub Relationships in the Arizona Chaparral.  52 pages.

1961  Johnson, Donald E.  
Edaphic Factors Affecting the Distribution of  
Crassotebush Larrea Tridentata D.C. Dow, in Desert Grassland Sites of Southeastern Arizona.  58 pages.

1961  Mukhtar, Hashim A.M.  
Factors Affecting Seed Germination of Some  
Important Desert Plants.  54 pages.

1962  Al-Rabbat, Mohamad Fouad  
The Effect of Moisture, Depth of Planting, and  
Compaction on Seedling Emergence of Winterfat and Crested Wheatgrass.  54 pages.

1962  Anklam, George L.  
The Effect of Commercial Fertilizers on the Forage  
Production of Chaparral Lands in Central Arizona  
Following Burning, Reseeding, and Herbicide Treatments.  32 pages.

1962  Follett, Edson Roy  
The Increase of Cholla (Opuntia Fulgida Engelm) in Relation to Associated Species on a Desert Grassland Range of Southern Arizona.  28 pages.

1962  Halverson, Howard G.  

1962  Mace, Arnett Clay, Jr.  
A Quantitative Measure of the Effect of the Soil Moisture and Atmospheric Moisture on the Growth of Trees.  52 pages.

1962  McRae, Rulon G.  
Factors Affecting the Absorption and Translocation of 2, 4-D in Tarbush (Flourensia Cernua DC).
1962 Silvey, Hilton Lee
A Method for Determining Evaporation, Transpiration
And Evapotranspiration in Pine Stands by Soil
Moisture. 84 pages.

1962 Troxel, W.C.
A Field Comparison of the Point Quadrat and the
Parker Three-Step Methods of Evaluating Range
Condition.

1963 Asare, Ebenezer Okae
The Germination of Certain Introduced African
Grasses as Influenced by Different Temperature
and Moisture Stresses. 51 pages.

1963 Sissay, Bekele
The Effects of Fertilizers Applied to a Chaparral
Soil on the Emergence, Growth, Yield, and
Nutrient Content of Lehmann Lovegrass. 38 pages.

1964 Bentley, R. Gordon, Jr.
The Effects of Three Moisture Levels Applied to
Lehmann Lovegrass Grown on a Fertilized Desert
Grassland Soil. 55 pages.

1964 Colmer, Gerald K.
The Effects of Added Nutrients on Current Year
Circumference Growth of Ponderosa Pine Under
Varying Levels of Soil Moisture. 59 pages.

1964 Potter, John R.
The Effect of Nitrogen and Phosphorus on the
Early Development of Pinus Ponderosa Laws
Seedlings in Soil and Sand Cultures Under
Greenhouse Conditions. 140 pages.

1964 Saumier, Richard Eugene
Factors Affecting the Distribution of Shrub Live
Oak. (Quercus Turbinella)

1964 Wheeler, Jack H.
Pellet Seeding of Lovegrasses on Southern Arizona
Rangelands.

1964 Williams, Christopher P.
Lehmann Lovegrass-Velvet Mesquite Invasion
Relationships in the Desert Grassland. 55 pages.

1965 Bales, Robert Lee
Ecology of a Cleared Chaparral Site Under Different
Nutrient Treatments. 117 pages.
1965  Claveran, Ramon Alonso
Survival and Spreading Ability of Endemic and
Exotic Grasses on a Desert Grassland Site. 77 pages.

1965  Kemp, Kenneth
A Study of Litter and Vegetation in the Upper
Chaparral Area of Central Arizona. 79 pages.

1965  Little, David Edwin
Factors Affecting the Susceptibility of Snakeweeds
to Herbicides. 68 pages.

1965  Suhr, Wesley Eugene
A Method of Soil and Vegetation Analysis for
Measuring Effects of Recreational Use in the
Mixed Conifer Zone. 193 pages.

1965  Tapia, Carlos Jasso
Root Nodule Studies of a Desert Browse Legume
Guajilla (Calliandra Eriophylla Benth.) 51 pages.

1965  Tiedemann, Arthur Ralph
Recovery of Burned-Reseeded and Chemically
Treated Aok-Chaparral in Arizona. 66 pages.

1965  Warskow, William L.
Factors Affecting Stomatal Opening of Creosotebush
(Larrea Tridentata) (DC.) Cov.) And Their
Combined Effect on Herbicide Activity.

1965  White, Larry D.
The Effects of a Wildlife on a Desert Grassland
Community. 107 pages.

1965  Whiting, Robert Montague, Jr.
Tree Characteristics in Relation to Growth of
Ponderosa Pine. 51 pages.

1965  Williams, Gerald
Effects of Rainfall on Soil Surface Character-
istics Following Range Seeding Practices. 50 pages.

1966  Ashton, Peter G.
Factors Affecting Snow Evaporation in the White
Mountains of Arizona.
<table>
<thead>
<tr>
<th>Year</th>
<th>Author</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1966</td>
<td>Beasley, Roy Scott</td>
<td>The Effects of Thinning and Nutrient Treatments on the Growth of Ponderosa Pine.</td>
<td>62</td>
</tr>
<tr>
<td>1966</td>
<td>Galt, Henry Deloss</td>
<td>The Botanical Composition of Steer Diet on a Semi-Desert Range.</td>
<td>99</td>
</tr>
<tr>
<td>1966</td>
<td>Kitchen, Joseph Henry, Jr.</td>
<td>Regeneration of Ponderosa Pine Fire-Nutrient Influences.</td>
<td>68</td>
</tr>
<tr>
<td>1966</td>
<td>Rea, Paul L.</td>
<td>The Bureau of Outdoor Recreation: Meeting the Crisis?</td>
<td>40</td>
</tr>
<tr>
<td>1967</td>
<td>Burkholder, Dennis Alan</td>
<td>Interspecific Differences Among Five Southern Desert Grasses as Affected by Varying Moisture and Fertilizer Levels.</td>
<td>49</td>
</tr>
<tr>
<td>1967</td>
<td>Chaudhry, Anwar Tariq</td>
<td>Drought Hardiness in Tomatoes.</td>
<td>57</td>
</tr>
<tr>
<td>1967</td>
<td>Drew, Allan P.</td>
<td>Stomatal Activity in Semi-Arid Site Ponderosa Pine.</td>
<td>58</td>
</tr>
<tr>
<td>1967</td>
<td>Koltz, Bruce G.</td>
<td>Root Responses of Crested Whestgrass to Nitrogen and Phosphorus Fertilization.</td>
<td>79</td>
</tr>
<tr>
<td>1967</td>
<td>O'Rourke, James T.</td>
<td>Edaphic Conditions Influencing Vegetative Response Following Pinyon-Juniper Control in North-Central Arizona.</td>
<td>83</td>
</tr>
<tr>
<td>1967</td>
<td>Schumann, Herbert H.</td>
<td>Water Resources of Lower Sycamore Creek, Maricopa County, Arizona.</td>
<td></td>
</tr>
</tbody>
</table>
1968 de Araujo, Joao Ambrosio, Filho
Carbohydrate Storage in Roots, Underground Stems
and Stem Bases of Guinea Grass as Affected by
Interval of Cutting. 49 pages.

1968 Hawkins, Richard O.
Cover, Soil, and Microrelief Characteristics Which
Influence Runoff on a Desert Grassland Range.
91 pages.

1968 Irland, Lloyd C.
45 pages.

1968 Mapston, Raymond D.
The Use of Structures to Facilitate Antelope
Movement Through Sheep-Tight Fences. 79 pages.

1968 Moreno, Eduoro M.
Effect of Controlled Burning on Basal Cover and
Soil Erosion Within a Desert Grassland Community
Near Cananea, Sonora, Mexico. 53 pages.

1968 Reed, Alan Joseph
Seepage Determinations From Water Stage and
Evaporation Records With Application to Inflow
Hydrographs. 42 pages.

1968 Sebenik, Paul G.
An Evaluation of the Enclosure Effect of
Evapotranspiration Tents on Leaf Temperatures
of Tamarix Pentandra. 96 pages.

1968 Shown, Lynn M.
Some Factors Affecting the Conversion of Sagebrush
to Grasslands.

1968 Stevens, Richard
The Effect of Low Soil Temperatures on the Growth
and Carbohydrate Content of the Roots of Lehmann
Lovegrass (Eragrostis Lehmanniana Nees.) 77 pages.

1968 Zemo, Tesfay
Behavior and Grazing Preference of Fistulated
Steers on a Desert Grassland. 67 pages.

1969 Delk, Robert
Snow Distribution Patterns Under Various Stand
Densities of Ponderosa Pine. 47 pages.
<table>
<thead>
<tr>
<th>Year</th>
<th>Author</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969</td>
<td>Gale, Robert David</td>
<td>Development and Testing of a Portable Air Permeameter for Measuring Compacted Surfaces.</td>
<td>66</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Garn, Herbert Siegfried</td>
<td>Factors Affecting Snow Accumulation, Melt, and Runoff on an Arizona Watershed.</td>
<td>115</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Johnson, Curtis M.</td>
<td>The Brushy Basin Chaparral Type Conversion Project: A Study in Multiple Use Administration on the Tonto National Forest.</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Kanerva, Roger Alan</td>
<td>An Attitude Measurement Approach to the Analysis of Decision-Making Concerning the Man-Nature Policy Problem.</td>
<td>96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Lejcher, Terrence R.</td>
<td>Snow Accumulation and Melt Under Various Densities of Ponderosa Pine in Arizona.</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Owings, James R.</td>
<td>The Demand for Land Based Outdoor Recreation in the Tucson Area.</td>
<td>154</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Peine, John Douglas</td>
<td>A Comparison of the Recreation Use Patterns of the Tucson Jeep Club and the Tucson Sand Buggy Association.</td>
<td>85</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Pinkney, Fred Coatsworth</td>
<td>Factors Affecting the Distribution of Hilaria Species in Arizona.</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Powers, William Riley III</td>
<td>The Influence of Sodium Chloride and Gravel Treatments on Infiltration.</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Rector, John Raymond</td>
<td>Infiltration Characteristics of Soils in the Beaver Creek Area of North Central Arizona.</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Ryan, James Arthur</td>
<td>Sampling Study of the Physical Properties of Several Soil Types in Northern Arizona.</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Smith, Freeman M.</td>
<td>The Relation of Sagebrush Leaf Area to Bush Size.</td>
<td>54</td>
</tr>
<tr>
<td>Year</td>
<td>Author</td>
<td>Title</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Wilhelm, Melvin Joe</td>
<td>Germination and Seedling Growth as Affected by Alternate Wetting and Drying of Seeds of <em>Eragrostis Lehmanniana</em> Nees. 55 pages.</td>
<td></td>
</tr>
<tr>
<td>1971</td>
<td>Beets, Martin L.</td>
<td>Tree Growth and Understory Production After Thinning Ponderosa Pine in Arizona. 43 pages.</td>
<td></td>
</tr>
<tr>
<td>1971</td>
<td>D'Amelio, James F.</td>
<td>Streamflow of Reno Highlands in the White Mountains of Arizona.</td>
<td></td>
</tr>
<tr>
<td>1971</td>
<td>Metto, Paul Kiming'eny</td>
<td>Control of Catclaw (<em>Acacia Greggii</em>) With Picloram in Southern Arizona. 46 pages.</td>
<td></td>
</tr>
</tbody>
</table>
1971  Robertson, Judd Lawrence
      An Evaluation of Four *Eragrostis* Species as
      Forage Plants for Ceará, Brazil.  58 pages.

1971  Wilkerson, Lonnie O., Jr.
      An Interpretation of the Military Water Well
      Drilling Program in South Vietnam.

1972  Abdullahi, Ahmed
      Reseeding Denuded Pastoral Land in East Africa.

1972  Cunningham, Robert Sewell
      Evaluation of Transpiration Suppressants as an
      Alternative to the Eradication of Saltcedar
      Thickets.  56 pages.

1972  Heidt, Jack Daniel
      Conceptual Development of an Analytical Recreation
      Use Model for the Madera Canyon Recreation Area.
      79 pages.

1972  Hekman, Louis H., Jr.
      Computer Assisted Instruction: Linear Programming
      Applied to Watershed Management.  120 pages.

1972  Jackson, Patrick Lee
      Predicting Degree Day Snow Melt Factors With
      Crown Closure in Arizona Ponderosa Pine.

*1967  Bartlett, Thomas Ellsworth
      The Effects of Several Herbicides on Creosotebush
      in Relation to Carbohydrate and Moisture Levels.
      87 pages.

1972  Matias Filho, Jose
      Water Resources Management for the Lower Gila Valley.

1972  O'Hayre, Arthur Paul
      Parameter Optimization for Simulating Semiarid Watershed Hydrology.  74 pages.

1973  Johnson, Robert Chester
      Procedures for Developing a Model for Planning Water-Based Linear Parks Along Stream Channels in Semiarid Urban Regions.  100 pages.

1973  Kaplan, Marehahrel
      Changes in Water Infiltration Capacities Following the Application of a Wetting Agent on a Ponderosa Pine Forest Floor.  48 pages.

1973  Kingsley, Russell Leonard
      A Plan for Public Camping, Picnicking, and Hiking Facilities in the Tucson Area.  43 pages.
<table>
<thead>
<tr>
<th>Year</th>
<th>Author</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973</td>
<td>McVay, Francis Harris</td>
<td>A Christmas Tree Marketing Study in Tucson, Arizona.</td>
<td>73</td>
</tr>
<tr>
<td>1973</td>
<td>Tennyson, Larry Charles</td>
<td>Snowfall Interception in Arizona Ponderosa Pine Forests.</td>
<td>56</td>
</tr>
<tr>
<td>1974</td>
<td>Gopen, Stuart Rogers</td>
<td>A Time-Space Technique to Analyze Snowpacks in and Adjacent to Openings in the Forest.</td>
<td></td>
</tr>
<tr>
<td>1974</td>
<td>Richards, Merton Taylor</td>
<td>An Activity Typology for Outdoor Recreation in the Mogollon Rim Area.</td>
<td>118</td>
</tr>
<tr>
<td>1974</td>
<td>McCleery, Dick Ray</td>
<td>Effects of Temperature on Germination of Selected Browse Species.</td>
<td></td>
</tr>
<tr>
<td>1974</td>
<td>Yu, John Kuo-An</td>
<td>The Utilization of Tree-Ring Data to Predict Hydrologic Properties of Semi-arid Watersheds.</td>
<td></td>
</tr>
<tr>
<td>1974</td>
<td>Almeida, Francisco G. (Brazil)</td>
<td>Nitrogen Balance for Range Ecosystems in Ceara, Brazil</td>
<td></td>
</tr>
<tr>
<td>1974</td>
<td>Davis, Thomas Franklin</td>
<td>(No thesis)</td>
<td></td>
</tr>
<tr>
<td>1974</td>
<td>Jones, Mikeal Edgar</td>
<td>Differential Release of Water from Arizona Snowpacks.</td>
<td>53</td>
</tr>
<tr>
<td>1974</td>
<td>LeFevre, Robert Edward</td>
<td>Effects of Gambel Oak on the Characteristics of Litter on Ponderosa Pine Forest.</td>
<td>76</td>
</tr>
<tr>
<td>1974</td>
<td>Medina Torres, Jorge G. (Mexico)</td>
<td>Seasonal Variations in the Infiltration Rate of a Whitehouse Soil in Southern Arizona.</td>
<td>41</td>
</tr>
<tr>
<td>1974</td>
<td>Nemati, Nasser (Iran)</td>
<td>Shrub Transplanting for Watershed Management and Range Improvement in Iran.</td>
<td>52</td>
</tr>
<tr>
<td>1974</td>
<td>Ratcliff, Thomas D.</td>
<td>Kaibab Squirrel Activities in Relation to Forest Characteristics.</td>
<td>59</td>
</tr>
</tbody>
</table>
1974  Story, Mark Thomas
      Nitrogen Fixation by *Ceanothus Fendleri* and *Lupinus Argenteus* as a Function of Parent Material and Vegetal Covers. 69 pp.

1974  Horak, William F.
      A Bacterial Water Quality Investigation of Canyon Lake, Arizona. 54 pp.

1974  Larson, Douglas Kurt
      An Analysis of the Motor-row Conversion Issue of Colorado River Float Trips.

1974  Paskett, Curtis J.
      Sediment Yield of Selected Watersheds West of the Great Plains. 72 pp.

1974  Solomon, Rhey Maurice
      An Assessment of Snowpack Depletion-Surface Runoff Relationships on Forested Watersheds.

1974  Sule, Bello (Nigeria)
      Growth, Development and Carbohydrate Reserve of Sideoats Grama and Plains Lovegrass. 36 pp.

1974  Warren, Mark A.
      Snowpack Dynamics in Relation to Inventory-Production Variables in Arizona Mixed-Conifer.

1975  Abrahams, Kenneth David
      (No thesis)

1975  Chandler, Denis Lee
      (No thesis)

1975  Elder, Daniel Robert
      (No thesis)

1975  McCormick, Dale Patrick
      Effect of Mesquite Control on Small Game Populations. 66 pp.

1975  Patten, Richard Thomas

1975  Utter, Jack Gene
      A Comparative Water Quality Analysis of Selected Recreation Lakes and Streams in the White Mountains of Arizona.

1975  Welch, Barry Wayne
      Validation of Snowpack Inventory Prediction Relationships in Arizona Ponderosa Pine Forests.
1975  Aul, Jerry Steven
      Use of Areal Snow Cover Measurements to Develop
      Snowmelt-Runoff Relationships for Arizona.  48 pp.

1975  Coffeen, Jeffrey Hale
      (No thesis)

1975  Tunnicliff, Brock Matthew
      The Historical Potential of Snowfall as a Water Resource
      in Arizona.  137 pp.

1975  Bisson, Henri R.
      Assessment of Forest Stocking Conditions by Multiple-Stage

1975  Curry, Kevin Daniel
      An Experimental Study of the Effects of Galvano-narcosis
      on Behavior and Growth of Rainbow Trout and Channel
      Catfish.

1975  Goodwin, John G., Jr.
      Population Densities and Food Selection of Small Rodents
      on Arizona Ponderosa Pine Forests.  72 pp.

1975  Hanes, William Toby
      Predicting Snowmelt Runoff Using Deterministic Watershed
      Model with Stochastic Precipitation Inputs.  83 pp.

1975  Kueffer, William C (MLA)
      (No thesis)

1975  Lowe, Philip Orral
      Potential Wildlife Benefits of Fire on Ponderosa Pine
      Forests.  131 pp.

1975  Rickel, Bryce Wayne
      The Effectiveness of Tilapia Zillii on Controlling
      Aquatic Vegetation in Southwestern Ponds.

1975  Swarbrick, Bonnie M.
      The Mexican Duck in Arizona's Sulphur Springs Valley.
      25 pp.

1976  Chojnacky, David Carl
      Christmas Tree Species Trials in Arizona's East-Central
      Mountains.  54 pp.

1976  Costa, Ralph
      Cottontail (Sylvilagus Auduboni) Response to Ponderosa

1976  Danner, Dennis Alan
      Coyote Home Range, Social Organization, and Scent Post
      Visitation.  86 pp.
1976  Martin, Richard Christopher
      Soil Moisture Use by Velvet Mesquite (Prosopis

1976  Motschall, Robert Michael
      Water Quality Analyses of the Recreational Water of
      Sabino and Bear Creeks.  132 pp.

1976  Quimby, Charles Marvin
      An Analysis of Factors Influencing Water Quality of a
      Highly Developed Recreational Lake.  82 pp.

1976  Skinner, Thomas H.
      Influence of Abert Squirrels on Nutrient Transfer
      Through Litterfall in a Southwestern Ponderosa Pine Forest.

1976  Harper, Ken Charles
      On the Biology of Salmo apache and its Management
      Implications.

1976  Leech, George Robert
      The Effects of Fertilization on Diameter Growth in
      Dense Stands of Ponderosa Pine in Arizona.

1976  Lovro, David A.
      (No thesis)

1976  McClain, John Rex
      Food Habits of Brook Trout in Relation to the Abundance
      of Diel Drift Invertebrates in the Little Colorado River.

1976  Publiese, Donald Luke
      Adoptive Races of Scotch Pine for Christmas Tree
      Plantations in Arizona.

1976  Schneider, Robert Warren
      The Effectiveness of Slide Presentations and Field Trips
      as Methods of Instruction for Environmental Education.
      135 pp.

1976  Smith, Charles
      (No thesis)

1976  Wells, Wade Glen, II
      A Sedimentation Model for Small Watersheds.  103 pp.

1976  Williams, Patrick Thomas
      Grass Production Changes with Mesquite Reinvansion in

1976  Winslow, Stephen Arthur
      The Relationship of Bottom Sediments to Bacterial Water
      Quality in a Recreational Swimming Area.  60 pp.
<table>
<thead>
<tr>
<th>Year</th>
<th>Author(s)</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1976</td>
<td>Wraight, John Edward, Jr.</td>
<td>Factors Influencing Participation and Landowner Preferences Under Use-Value Taxation</td>
<td>181</td>
</tr>
<tr>
<td>1976</td>
<td>Kelly, Jerry Lee</td>
<td>Optimization of Runoff Agriculture on Reclaimed Mine Lands</td>
<td>87</td>
</tr>
</tbody>
</table>