

# REPORTS OF SCIENTIFIC INVESTIGATIONS

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Includes the following CD's:
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6. How are American Pikas Reacting to Climate Change? Obery, M. - 2016

#### Separate Reports (SR)

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Henneberger, Ruth. - 2008. (bound copy accompanied by 2 CD's)
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- \_\_\_\_\_. Water movement and capillary barriers in a stratified and inclined snowpack. Peitzsch, Erich, Hansen, Kathy J. - 2008. Vol. 20
- Black bear distribution patterns in a temperate forest environment, Olympic National Park. Sager, Kimberly Ann. - 2005. Vol. 18

- Bland, Jeffrey. A study of the primary productivity rate of South Cascade Glacier: correlation with ice worm populations. Vol. 3
- Booth, Steven R. Dragonflies of Washington's North Cascades. - 1981. Vol. 5
- Borish, Matthew. Spatial distribution of two surface hoar events in the Chilkat and Takhinsha Mountains of southeast Alaska. Birkeland, Karl W., Challenger, Stuart, Custer, Stephen - 2010. Vol. 20
- Borish, M. Advances in Snowpack Weak Layer Tracking Using GPS. - 2010. Vol 21
- Borish, M. et al., Surface Hoar Distribution at the Scale of a Helicopter Skiing Operation. - 2012. Vol 21
- Borkowski, John J. Quantified loaded column stability test: mechanics, procedure, sample-size selection and trials. Landry, Christopher Cameron; Brown, Robert L. - 2001. Vol. 17
- Bowerman, Jay. Some effects of snowmobiles in the High Cascades. Vol. 1
- Brady, Timothy J. The Late-Quaternary history of the genus *Picea* in Western North America: I. Identification of fossil pollen grains. - 1984 Grant - 1985. Vol. 8
- The breeding population of Eagle Lake, California. Lederer, Roger J. Vol. 4
- Brody, Allison J. The sociality of pinon jays with and without pinon pine (summary). 1991 Grant, 1993. Vol. 12
- Brooks, Melissa. (Bumblebee community structure) Progress report. - 1998. Vol. 15
- \_\_\_\_\_. Bumblebee community structure in montane meadows of Marble Mountain Wilderness area, Siskiyou Co., California. - 1998 Vol. 15
- Brown, Robert L. Quantified loaded column stability test: mechanics, procedure, sample-size selection and trials. Landry, Christopher Cameron; Borkowski, John J. - 2001. Vol. 17
- Buchanan, John P. Radon gas occurrence and distribution in selected caves in Washington. - 1991. Vol. 12
- (Bumblebee community structure) Progress report. Brooks, Melissa - 1998. Vol. 15
- Bumblebee community structure in montane meadows of Marble Mountain Wilderness area, Siskiyou Co., California. Brooks, Melissa - 1998 Vol. 15
- Burbank, Douglas W. A chronology of late Holocene glacier fluctuations on Mount Rainier, Washington. - 1981. Vol. 5
- \_\_\_\_\_. Holocene glacier fluctuations on Mount Rainier, research summary. - 1978 Grant - 1981. Vol. 4
- Call, Douglas. Microsatellite characteristics and population structure for two anurans (*Rana Luteiventris* and *Hyla Regilla*). - 1993 Grant - 1997. Vol. 13
- Cannon, Charles. Glacier change on Oregon 1935-2007: an analysis of Mazama aerial photographs. Leonard, Jessica L.; Fountain, Andrew G. - 2008. Vol. 19
- Caplan, Joshua S. *Rubus armeniacus* (Himalayan blackberry) occurrence and growth in relation to soil and light conditions in Western Oregon. Yeakley, J. Alan. - 2006. Vol. 18
- The case of the missing marmots: are metapopulation dynamics or range-wide declines responsible? Griffin, Suzanne Cox; Taper, Mark L.; Hoffman, Roger; Mills, R. Scott. - 2008. Vol. 19
- Cazares, Efren. The symbiotic fungi needed for tree establishment, survival and growth in Subalpine to treeline habitats in the North Cascades. - 1999. Vol. 16
- Central Oregon fossil leaves, their implications about paleoclimate and the growth of the central portion of the Oregon High Cascade Mountains. Ashwill, Melvin S. - 1990. Vol. 11.
- Challenger, Stuart. Spatial distribution of two surface hoar events in the Chilkat and Takhinsha Mountains of southeast Alaska. Borish, Matthew, Birkeland, Karl W., Custer, Stephen - 2010. Vol. 20
- Changes in glaciers on Glacier Peak in the last 100 year. Pelto, Mauri S. Vol. 17
- Changes in the mass of Collier Glacier, Oregon, 1910-1994. McDonald, Gregory D. - 1993 Grant - 1995. Vol. 14
- Changing rivers and streams: the effects of anthropogenic alteration of riparian systems on *Mimulus Guttatus*. Eldred, Bret D. - 2002. SR 1
- Characterization of the magmatic signature in gas emissions from Turrialba Volcano, Costa Rica. Moussallam, Y., Peters, N., Ramirez, C., Oppenheimer, C., Aiuppa, A., and Giudice, G. 2014. Vol 22
- Christy, John A. Ferns (bogs) of the Oregon Cascades. - 1981. Vol. 5
- The chronology, geomorphology, and the climate of Collier Glacier with special reference to the ablation process. Mountain, Keith R. - 1977 Grant - 1978. Vol. 4
- A chronology of late Holocene glacier fluctuations on Mount Rainier, Washington. Burbank, Douglas W. - 1981. Vol. 5
- Clark, Tim. Behavior, ecology and conservation of mountain lions in fragmented habitat -1991. Vol. 12
- Clayton, Janie. Alluvial fans of Southeastern Idaho. Vol. 4
- \_\_\_\_\_. Geomorphology of selected alluvial fans of Southeastern Idaho. Vol. 5
- Climate change impacts on the distribution and performance of plant species at Mount Rainier. Ford, K.R., 2014. Vol 22

- The climber impact problem in Grand Teton National Park. Harrington, Rudy and Miles, John C. – 1981. Vol. 5
- Coe, J.A. Photogrammetric analysis of 1984-1989 surface altitude change of the partially debris covering the Eliot Glacier, Mount Hood, Oregon. - 1988 Grant, 1993. Vol. 12
- Collier Glacier: a rethink of its history and comments on its climatic status since 1975, Oregon. Mountain, Keith Richard. Vol. 7
- Collier Glacier: a rethink of its history and comments on its climatic status since 1975, Oregon. Mountain, Keith Richard. - 1983 Grant - 1985. Vol. 8
- Collins, Paul. Environment of tundra vegetation of Steen's Mountain. Vol. 3
- Colonization limitation during primary succession on the foreland of the Coleman Glacier. Jones, Chad Charles. - 2003. Vol. 17
- A comparative analysis of the ecology and physiology of the Flammulated Owl (*Otus flammeolous*) and Northern Saw-whet Owl (*Aegolius acadicus*) during fall migration. Hamilton, Sarah L - 2002. Vol. 16
- Conche, Steven W. Analysis of visitor awareness of avalanche danger at three areas – Mt. Hood, Oregon. – 1978.
- Conrey, Richard . Geology and petrology of the Mt. Jefferson Area, High Cascade Range, Oregon. Vol. 11
- \_\_\_\_\_. Preliminary report on the geology of the Mt. Jefferson 7 ½ minute quadrangle. - 1984. Vol. 8
- Conserving through propagation, the threatened Pacific Dogwood of Idaho. Easton, John L., Wenny, David L, Tripepe, Robert. - 1991 Grant - 1993. Vol. 13
- Copeland, Elizabeth A. Recent periglacial debris flows from Mount Rainier, Washington. – 2009. Vol. 20
- Corkran, Charlotte C. Birds in nest boxes: how to help, study, and enjoy birds when snag are scarce. SR 5
- \_\_\_\_\_. When snags are scarce: saving birds using nest boxes. Progress report. - 1998. Vol. 15
- \_\_\_\_\_. When snags are scarce: saving birds using nest boxes. Progress report. - 1999. Vol. 16
- Correlation of the upper Ellensberg formation with old Scab Mountain eruptive center east-central Cascade Range, Washington. Humphrey, Christopher Charles - 1996. Vol. 14
- Corthouts, T.L. Deformation and Metasomatism of the Qomolangma Formation: A Geochemical and Microstructural Analysis of the Summit Limestone, Mount Everest, Nepal. – 2015. Vol 22
- Craver, Gary Alan. Glacial geology of the Mountain Lake Wilderness and adjacent parts of the Cascade Range, Oregon. Vol. 1
- Crider, Juliet G. Investigating mechanisms of edifice deflation, 1981-2007, at Mount Baker volcano, Washington, United States. Hodge, Brendan E., – 2010. Vol. 20
- Cross, Stephen P. and Lang, Frank A. A pilot biological survey of the Sky Lakes Wilderness study area. Vol.1
- The culminating eruption of Mt. Mazama. Ritchey, Joseph L. Vol. 2
- Cummings, Shawn A. Assessment of DNA fingerprinting for studies of small mammal populations. Vol. 11.
- Cushman, S.A. Inferring landscape effects on gene flow: a new model selection framework. Shirk, Andrew J., Wallin, D.O., Rice, C. G., Warheit, K.I. – 2010. Vol. 20
- Custer, Stephen G. Relating wet loose snow avalanching to surfical shear strength. Trautman, Simon; Lutz, Eric; Birkeland, Karl W.; - 2005. Vol. 18
- \_\_\_\_\_. Spatial distribution of two surface hoar ecentis in the Chilkat and Takhinsha Mountains of southeast Alaska. Borish, Matthew, Birkeland, Karl W., Challenger, Stuart, – 2010. Vol. 20
- Debris flow initiation in proglacial gullies on Mount Rainier, Washington. Legg, N.T., Meigs, A. J., Grant, G. G., Kennard, P. 2013. Vol 21
- Deformation and Metasomatism of the Qomolangma Formation: A Geochemical and Microstructural Analysis of the Summit Limestone, Mount Everest, Nepal. Corthouts, T.L. 2015. Vol 22
- Deligne, N. I. After the flow: Landscape response to the emplacement of Holocene lava flows, Central Oregon Cascades, USA. – 2012. Vol 21
- Demography and ecology of a declining endemic: the Olympic Marmot. Griffin, Suzanne Cox. - 2007. Vol. 19
- Deshler, John Frederick. Nest-site habitat selection and breeding biology of the Northern Pygmy-Owl in northwestern Oregon. – 2010. Vol. 20
- Dethier, David P. A latest Pleistocene and Holocene glacier history and paleoclimate reconstruction at Three Sisters and Broken Top volcanoes, Oregon, USA. Marcott, Shaun A.; Fountain, Andrew G.; O'Connor, Jim E.; Sniffen, Peter J. - 2008. Vol. 19
- Dickson, Leal G. Functional influences of Cryptobiotic surface crusts in alpine tundra basin of the Olympic Mountains, Washington. (preliminary data). - 1995 Grant – 1996. Vol. 13
- Diefenbach, Angela K. Oblique photogrammetric analysis of dome growth at Mount St. Helens Volcano, 2004-2007. – 2007. Vol. 20
- \_\_\_\_\_. Rapid, low-cost photogrammetry to monitor volcanic eruptions: an example from Mt. St. Helens, Washington. – 2007. Vol. 20
- Diffuse knapweed control on Tom McCall Preserve and Mayer State Park. Youtie, Berta and Soll, Jonathan. - 1989. Vol. 9
- The dilemma on Burley Mountain. O'Connor, David E. Vol. 3

- Disjunction and Pleistocene effects in the North American Pacific Northwest: Phylogeography of *Synthyris missurica* (*Plantaginaceae*). Streit, A., Webster, M., Hufford, L – 2004. Vol. 20
- Distribution, behavior and habitat of the Black Rosy Finch on National Forest land. Rich, Terrell D.G. Vol. 2
- Dragonflies of Washington's North Cascades. Booth, Steven R. – 1981. Vol. 5
- The dynamic response of glacier termini to climatic variation during the period 1940-1990 on Mount Baker, Washington. Harper, Joel T. - 1991 Grant - 1992. Vol. 12
- The dynamics of forest-meadow ecotones in the Three Sisters Wilderness, Oregon: variations across environmental gradients. Miller, Eric A. - 1993 Grant, 1998. Vol. 13
- Easton, John L. Conserving through propagation, the threatened Pacific Dogwood of Idaho- 1991 Grant - 1993. Vol. 13
- The ecological effects of recreation use on Subalpine meadow plant communities in Jefferson Park, Mt. Jefferson Wilderness, Oregon. Schaff, Dick Vander - 1982. Vol. 6
- An ecological study of the effects of recreation on the subalpine communities of Jefferson Park, Mount Jefferson Wilderness. Schaaf, Dick Vander. Vol. 4
- An ecological study of the effects of recreation on the subalpine communities of Jefferson Park, Mount Jefferson Wilderness. Schaaf, Dick Vander. – 1978 Grant – 1979. Vol. 4.
- An ecological study of the effects of recreation and tree growth in Jefferson Park, Mt. Jefferson Wilderness, Oregon. Schaaf, Dick Vander – 1980. Vol. 4
- Ecology and conservation of heather in Mount Rainier National Park. Rochefort, Regina Maria - 1995. Vol. 15
- Ecology of *Cordyadalis aquae-gerlidae*, a rare riparian plant. Goldenberg, Donald M. - 1992. Vol. 12
- The ecology of lupines in Crater Lake National Park, Oregon. Kerle, Elizabeth A. - 1984 Grant - 1985. Vol. 8
- Ecology of over-wintering pikas (*Ochotona princeps*) studies by radiotelemetry. Osgood, David W. Vol. 3
- The effect of an outdoor experience on self attitudes and behavior of mentally retarded adults. Fullerton, Ann. Vol. 3
- The effect of fuel-reduction silvicultural treatments on bat activity; results from 2004. Betts, Burr J. - 2005. Vol. 18
- The effect of slope degradation on lichenometric dating of Little Ice Age moraines. O'Neal, Michael A. - 2006. Vol. 18
- The effects of a modern forest fire on avian community structure. Stone, Eric - 1991 Grant, 1992. Vol. 12
- The effects of dredging on the vegetative complex and mesozobenthos of a small agricultural pond. Peck, JerriLynn E. -1991 Grant - 1993. Vol. 13
- Effects of environmental and grazing disruption on tree establishment in meadows of the Central Cansade Range, Oregon. Miller, Eric A.: Halpern, Charles B. - 1991 Grant - 1993. Vol. 13
- Effects of environment and grazing disturbance on tree establishment in meadows of the central Cascade Range, Oregon. Miller, Eric A.; Halpern, Charles B.- 1998. Vol. 15
- Effects of tourists on behavior and demography of Olympic Marmots. Griffin, Suzanne Cox; Valois, Tanguy; Taper, Mark L.; Mills, L. Scott. - 2007. Vol. 19
- Eldred, Bret D. Changing rivers and streams: the effects of anthropogenic alteration of riparian systems on *Mimmulus Guttatus*. - 2002. SR 1
- Environment and distribution of rock glaciers in the Olympic Mountains, Washington. Nebert, Douglas D. - 1984. Vol. 7
- Environment of tundra vegetation of Steen's Mountain. Collins, Paul. Vol. 3
- Equations for predicting above-ground biomass of plant species in early succession forests on the western Cascade Range, Oregon. Halpern, Charles B., Miller, Eric A., Geyer, Merora A. - 1991 Grant, 1996. Vol. 12
- Falk, Donald A. Plant species responses to anthropogenic forest edges in the southern Olympic Peninsula, Washington, USA. - 2004. Vol. 17
- Fargo, Jamison D. Variabilities contributing to acute mountain sickness on the summit of Mt. Whitney. Wagner, Dale R.; Parker, Daryl; Tatsugawa, Kevin. - 2006. Vol. 18
- Female Olympic Marmots (*Marmota Olympus*) reproduce in consecutive years. Griffith, Suzanne Cox; Taper, Mark L.; Mills, L. Scott. - 2007. Vol. 19
- Ferns (bogs) of the Oregon Cascades. Christy, John A. – 1981. Vol. 5
- Final Report – Graduate Student Grant. Johnston, J. 2013. Vol 21
- Five centuries of structural development in an old-growth Douglas-Fir stand in the Pacific Northwest: a reconstruction from tree-ring records. Winter, Linda Ellen. - 2000. Vol. 16
- The flow and mass wastage of Eliot Glacier, Mount Hood, Oregon. Jackson, Keith M. - 2005. Vol. 18
- Food selection and juvenile survival in Nuttall's Cottontails in Central Oregon. Hundertmark, Kris Joseph - 1982. Vol. 6
- Forest structure of the Siouxon Burn, Southern Washington Cascades: comparison of single and multiple burns. Grey, Andrew - 1990. Vol. 11

- Ford, K.R., Climate change impacts on the distribution and performance of plant species at Mount Rainier.– 2014 Vol 22.
- Fountain, Andrew. Glacier change on Oregon 1935-2007: an analysis of Mazama aerial photographs. Cannon, Charles; Leonard, Jessica L. - 2008. Vol. 19
- \_\_\_\_\_. A latest Pleistocene and Holocene glacier history and paleoclimate reconstruction at Three Sisters and Broken Top volcanoes, Oregon, USA. Marcott, Shaun A.; O'Connor, Jim E.; Sniffen, Peter J.; Dethier, David P. - 2008. Vol. 19
- \_\_\_\_\_. The role of the supra-glacial debris on the melting of Eliot Glacier, Mt. Hood. Schlichting, Robert - 2003. Vol. 17
- Fox, Joseph L. Technique development for the mapping of mountain goat habitat in Washington. - 1985. Vol. 8
- Fredericks, Nancy A. Population of Howell's Mariposa Lily (*Calochortus howellii*), a rare serpentine endemic to the Siskiyou Mountains (summary). - 1988 Vol. 12
- Fuller, Jason L. Assessing the safety of weed biological control: A case study of the Cinnabar Moth *Tyria jacobaeae*. - 2003. SR 2
- Fullerton, Ann. The effect of an outdoor experience on self attitudes and behavior of mentally retarded adults. Vol. 3
- Functional influences of Cryptobiotic surface crusts in alpine tundra basin of the Olympic Mountains, Washington. (preliminary data). Gold, Warren G.; Glew, Katherine A.; Dickson, Leal G. - 1995 Grant – 1996. Vol. 13
- Gannett, Marshall W. A geochemical study of Rhododendron and Dalles formations in the area of Mt. Hood, Oregon. - 1982. Vol. 6
- Gass, Lee. High mountain hummingbird feeding territories in relation to food supplies. Vol. 1
- Gelman, Steven D. *Sylvilagus nuttallii*: a semiariboreal lagomorph. Vol. 7
- Genetic and morphologic variation in *Phyllodoce empetriformis* and *Phyllodoce glandulifera* (Ericaceae) in Mount Rainier National Park, Washington. Rochfort, Regina M.; Peterson, David L. - 2001. Vol. 16
- A geochemical reconnaissance investigation of Mount Baker andesites. Stavert, Larry. Vol. 2
- A geochemical study of Rhododendron and Dalles formations in the area of Mt. Hood, Oregon. Gannett, Marshall W. - 1982. Vol. 6
- Geological history of the Matterhorn – Sacajewea Peak area, Eagle Cap Wilderness area, Oregon. Neal, Ken. Vol. 2
- Geology and petrology of the Mt. Jefferson Area, High Cascade Range, Oregon. Conrey, Richard Michael.. Vol. 11
- Geology of the Bull of the Woods area. Jackson, James S. Vol. 3
- Geology of the Green Mountains, Oregon. Woodford, Riley - 1982. Vol. 6
- The geology of Green Mountain: research project. Woodford, Riley. - 1982. Vol. 6
- The geology of the Strawberry Volcanics, Northeast Oregon, Roblyn, T.L Vol. 3
- Geomorphology of selected alluvial fans of Southeastern Idaho. Clayton, Janie. Vol. 5
- Geophysical and geochemical analysis of selected Miocene coastal basalt features, Clatsop County, Oregon. Pfaff, Virginia Josette – 1981. Vol. 5
- Geothermal ice caves, Mount Baker, Washington. Kiver, Eugene P. and Steele, William K. Vol. 1
- Geothermal ice cave and fumarole study, Mounts Baker and Rainier, 1975. Kiver, Eugene P. and Steele, William K. Vol. 1
- Geyer, Melora A. Equations for predicting above-ground biomass of plant species in early succession forests on the western Cascade Range, Oregon. - 1991 Grant, 1996. Vol. 12
- \_\_\_\_\_. Species replacement during early secondary succession: the abrupt decline of a winter annual. - 1991 Grant, 1997. Vol. 12
- Gilden, Jennifer. Solitude, silence and “The Freedom to Ride”: real and perceived conflicts in winter recreation at Mount St. Helens. - 2001. Vol. 17
- Glacial geology of the Mountain Lake Wilderness and adjacent parts of the Cascade Range, Oregon. Craver, Gary Alan Vol. 1
- Glacier advances at the Pleistocene/Holocene transition near Mount Rainier Volcano, Cascade Range. Heine, Jan Tillman - 1998. Vol. 14
- Glacier change on Oregon 1935-2007: an analysis of Mazama aerial photographs. Cannon, Charles; Leonard, Jessica L.; Fountain, Andrew G. - 2008. Vol. 19
- Glacier Change on the Three Sisters Volcanoes, Oregon: 1900-2010. Ohlschlager, Justin G. 2015. Vol 22
- Glacier Repeat Photography Database of the American West: The Glacier-clad Volcanoes of the Cascade Range, California - Washington. Basagic, H. 2012. Vol 21
- Glaciers in the Olympic Mountains, Washington: present distribution and recent variations. Spicer, Richard C. - 1982 Grant - 1986. Vol. 6
- Glew, Katherine A. Functional influences of Cryptobiotic surface crusts in alpine tundra basin of the Olympic Mountains, Washington. (preliminary data). - 1995 Grant – 1996. Vol. 13
- Gold, Warren G. Functional influences of Cryptobiotic surface crusts in alpine tundra basin of the Olympic Mountains, Washington. (preliminary data). - 1995 Grant – 1996. Vol. 13

- Goldenberg, Donald M. Ecology of *Cordyadalis aquae-gerlidiae*, a rare riparian plant. - 1992. Vol. 12
- Government response to Mount St. Helens eruptions, May 18, 1980, Washington. Rystrom, Kenneth. Vol. 4
- Grey, Andrew. Forest structure of the Siouxon Burn, Southern Washington Cascades: comparison of single and multiple burns. - 1990. Vol. 11
- Griffin, Suzanne Cox. The case of the missing marmots: are metapopulation dynamics or range-wide declines responsible? Taper, Mark L.; Hoffman, Roger; Mills, R. Scott. - 2008. Vol. 19
- \_\_\_\_\_. Demography and ecology of a declining endemic: the Olympic Marmot. - 2007. Vol. 19
- \_\_\_\_\_. Effects of tourists on behavior and demography of Olympic Marmots. Valois, Tanguy; Taper, Mark L.; Mills, L. Scott. - 2007. Vol. 19
- \_\_\_\_\_. Female Olympic Marmots (*Marmota olympus*) reproduce in consecutive years. Taper, Mark L.; Mills, L. Scott. - 2007. Vol. 19
- Groesch, Michael A. High glacier lakes of the Three Sisters and Broken Top. - 1982. Vol. 6
- H2O Contents in Olivine-Hosted Melt Inclusions From Primitive Magmas in the Northern Cascade Arc. S. Shaw – 2011. Vol 21
- Habitat requirements of the Cour d'Alene Salamander *Plethodon vandykei idahoensis*. Wilson, Albert - 1985. Vol. 8
- Hackenberger, Steven. Archaeometric project, Salmon River Mountains. - 1985. Vol. 8
- Hall, Timothy. A limnological study of Shadow Lake, a subalpine lake at Mount Rainier National Park, Washington. Vol. 1
- Halpern, Charles B. Effects of environmental and grazing disruption on tree establishment in meadows of the Central Cascade Range, Oregon. - 1993 Grant - 1998 Vol. 13
- \_\_\_\_\_. Effects of environment and grazing disturbance on tree establishment in meadows of the central Cascade Range, Oregon. - 1998. Vol. 15
- \_\_\_\_\_. Equations for predicting above-ground biomass of plant species in early succession forests on the western Cascade Range, Oregon. - 1991 Grant, 1996. Vol. 12
- \_\_\_\_\_. Landscape context and long-term tree influences shape the dynamics of forest-meadow ecotones in mountain ecosystems. Haugo, Ryan D., Bakker, Jonathan D. – 2011. Vol. 20
- \_\_\_\_\_. Prescribed fire as a management tool for restoring mountain meadow in the central Cascade Range, Oregon: a progress report. - 2000. Vol. 16
- \_\_\_\_\_. Species replacement during early secondary succession: the abrupt decline of a winter annual. - 1991 Grant, 1997. Vol. 12
- Hamilton, Sarah L. A comparative analysis of the ecology and physiology of the Flammulated Owl (*Otus flammeolous*) and Northern Saw-whet Owl (*Aegolius acadicus*) during fall migration. - 2002. Vol. 16
- Hammond, Paul E. Progress report on the Fifes Peaks, Washington, an early Cenozoic volcano in the Cascade Range. - Grant 1988 - 1989. Vol. 9
- Hansen, Kathy J. Water movement and capillary barriers in a stratified and inclined snowpack. Peitzsch, Erich, Birkland, Karl W., – 2008. Vol. 20
- Harper, Joel T. The dynamic response of glacier termini to climatic variation during the period 1940-1990 on Mount Baker, Washington. - 1991 Grant - 1992. Vol. 12
- Harrington, Rudy. The climber impact problem in Grand Teton National Park. – 1981. Vol. 5
- Haugo, Ryan D. Landscape context and long-term tree influences shape the dynamics of forest-meadow ecotones in mountain ecosystems. Halpern, Charles B., Bakker, Jonathan D. – 2011. Vol. 20
- Heine, Jan Tillman. Glacier advances at the Pleistocene/Holocene transition near Mount Rainier Volcano, Cascade Range. - 1998. Vol. 14
- Hemphill-Haley, Mark A. Quaternary stratigraphy and late Holocene faulting along the base of the eastern escapement of Steens Mountain, Southeastern Oregon. - 1984 Grant - 1987
- Henneberger, Ruth. The microbial diversity and ecology of selected andesitic hydrothermal environments. - 2008. (bound copy accompanied by 2 CD's). SR 4
- Hernandez, Luicina. Wolves, elk and bison: reestablishing the "landscape of fear" in Yellowstone National Park. - 2001. Vol. 16
- Herrington, Robert E. Larch Mountain salamander status. - 1984 Grant - 1985. Vol. 8
- Hess, Sean C. Rocks, range, renfrew: using distance-decay effects to study late pre-Mazama period obsidian acquisition and mobility in Oregon and Washington. - 1997. Vol. 15
- High glacier lakes of the Three Sisters and Broken Top. Sorensen, Lars D. and Groesch, Michael A. - 1982. Vol. 6
- High mountain hummingbird feeding territories in relation to food supplies. Gass, Lee. Vol. 1
- Historic glacier and climate fluctuations at Mount Hood, Oregon. (Includes 7 CD's of data and photographs). Lillquist, Karl. - 2004. Vol. 17
- Historic glacier and climate fluctuations at Mount Hood, Oregon. Lillquist, Karl; Walker, Karen. - 2006. Vol. 18
- Ho, Leighton. Input of terrestrial insects into a subalpine lake in the Cascade Mountains, Oregon. Vol. 1

- Hodge, Brendan E. Investigating mechanisms of edifice deflation, 1981-2007, at Mount Baker volcano, Washington, United States. Crider, Juliet G. – 2010. Vol. 20
- Hoffman, Roger. The case of the missing marmots: are metapopulation dynamics or range-wide declines responsible? Griffin, Suzanne Cox; Taper, Mark L.; Mills, R. Scott. - 2008. Vol. 19
- Holocene fluctuations of the Coe Glacier, Mount Hood. Lilliquist, Karl D. - 1988. Vol. 10
- Holocene glacier fluctuations on Mount Rainier, research summary. Burbank, Douglas W. – 1978 Grant – 1981. Vol. 4
- How are American Pikas Reacting to Climate Change? Obery, M. 2016 Vol 22
- Hufford, L. Disjunction and Pleistocene effects in the North American Pacific Northwest: Phylogeography of *Synthyris missurica* (*Plantaginaceae*). Streit, A., Webster, M. – 2004. Vol. 20
- Humphrey, Christopher Charles. Correlation of the upper Ellensburg formation with old Scab Mountain eruptive center east-central Cascade Range, Washington. - 1996. Vol. 14
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- Inferring landscape effects on gene flow: a new model selection framework. Shirk, Andrew J., Wallin, D.O., Cushman, S.A., Rice, C. G., Warheit, K.I. – 2010. Vol. 20
- Initial conservation assessment and effects of rock climbing on *Silene seelyi*, a rare Washington endemic. Malkin, Devin R. - 2001. Vol. 16
- Input of terrestrial insects into a subalpine lake in the Cascade Mountains, Oregon. Ho, Leighton. Vol. 1
- Insights into the Geochemical Evolution of the Youngest Toba Tuff (Sumatra, Indonesia) Magma Chamber Through the Lens of Zircon-hosted Melt Inclusions. Lerner, A., 2015. Vol 22
- Investigating mechanisms of edifice deflation, 1981-2007, at Mount Baker volcano, Washington, United States. Hodge, Brendan E., Crider, Juliet G. – 2010. Vol. 20
- Investigation of the geology structure of Northwest Oregon by the interpretations of a gravity traverse southwest of Portland, Oregon, 1977. Jones, Terry. Vol. 3
- Is selectively harvested forest an ecological trap for olive-sided flycatchers? Robertson, Bruce A.; Hutto, Richard L. - 2007. Vol. 19
- Jackson, James S. Geology of the Bull of the Woods area. Vol. 3
- Jackson, Keith Michael The flow and mass wastage of Eliot Glacier, Mount Hood, Oregon. - 2005. Vol. 18
- \_\_\_\_\_. Spatial and morphological change of Eliot Glacier, Mount Hood, Oregon. - 2007. Vol. 18
- Jewett, Peter D. The structure and petrology of the Sleese Peak area, Chilliwack Mountains, British Columbia, Canada. - 1983 Grant - 1985. Vol. 8
- Johnston, J., Final Report–Graduate Student Grant. – 2013. Vol 21.
- Jolley, Russ. Survey of the vascular plants on Miller Island, Klickitat County, Washington. - 1983 Grant - 1984. Vol. 8
- Jones, Chad Charles. Colonization limitation during primary succession on the foreland of the Coleman Glacier. - 2003. Vol. 17
- Jones, Terry. Investigation of the geology structure of Northwest Oregon by the interpretations of a gravity traverse southwest of Portland, Oregon, 1977. Vol. 3
- Jumpponen, Ari. The symbiotic fungi needed for tree establishment, survival and growth in Subalpine to treeline habitats in the North Cascades. - 1999. Vol. 16
- Kerle, Elizabeth A. The ecology of lupines in Crater Lake National Park, Oregon. - 1984 Grant - 1985. Vol. 8
- Kipfmueller, Kurt F. Patterns in whitebark pine regeneration and their relationships to biophysical site characteristics in southwest Montana, central Idaho and Oregon, USA. Larson, Evan R., – 2010. Vol. 20
- Kiver, Eugene P. Geothermal ice caves, Mount Baker, Washington. Vol. 1
- \_\_\_\_\_. Geothermal ice cave and fumarole study, Mounts Baker and Rainier, 1975. Vol. 1
- \_\_\_\_\_. Summit firn cave study, Mount Rainier, Washington. Vol. 1
- Landry, Christopher Cameron. Quantified loaded column stability test: mechanics, procedure, sample-size selection and trials. Borkowski, John J.; Brown, Robert L. - 2001. Vol. 17
- \_\_\_\_\_. Spatial variations in snow stability on uniform slopes: implications for extrapolation to surrounding terrain. - 2002. Vol. 17
- Landscape context and long-term tree influences shape the dynamics of forest-meadow ecotones in mountain ecosystems. Haugo, Ryan D., Halpern, Charles B., Bakker, Jonathan D. – 2011. Vol. 20
- Lang, Frank A. and Cross, Stephen P. A pilot biological survey of the Sky Lakes Wilderness study area. Vol.1
- Larch Mountain salamander status. Herrington, Robert E. - 1984 Grant - 1985. Vol. 8
- Larson, Evan R. Patterns in whitebark pine regeneration and their relationships to biophysical

- site characterists in southwest Montana, central Idaho and Oregon, USA. Kipfmüller, Kurt F. – 2010. Vol. 20
- \_\_\_\_\_. Status and dynamics of Whitebark Pine (*Pinus albicaulis* Engelm.) forests in Southwestern Montana, Central Idaho, and Oregon, U.S.A. 2009 Research Report no. 8
- The Late-Quaternary history of the genus *Picea* in Western North America: I. Identification of fossil pollen grains. Brady, Timothy J. - 1984 Grant - 1985. Vol. 8
- A latest Pleistocene and Holocene glacier history and paleoclimate reconstruction at Three Sisters and Broken Top volcanoes, Oregon, USA. Marcott, Shaun A.; Fountain, Andrew G.; O'Connor, Jim E.; Sniffen, Peter J.; Dethier, David P. - 2008. Vol. 19
- Launde, John W. Behavior, ecology and conservation of mountain lions in fragmented habitat - 1991. Vol. 12
- \_\_\_\_\_. Puma (*Puma concolor*) dispersal. Effective population size and long term conservation in the Great Basin, USA. - 1999. Vol. 16
- \_\_\_\_\_. Wolves, elk and bison: reestablishing the "landscape of fear" in Yellowstone National Park. - 2001. Vol. 16
- Lederer, Roger J. The breeding population of Eagle Lake, California. Vol. 4.
- Legg, N.T. et al., Debris flow initiation in proglacial gullies on Mount Rainier, Washington. – 2013. Vol. 21
- Leonard, Jessica L. Glacier change on Oregon 1935-2007: an analysis of Mazama aerial photographs. Cannon, Charles; Fountain, Andrew G. - 2008. Vol. 19
- Lerner, A., Insights into the Geochemical Evolution of the Youngest Toba Tuff (Sumatra, Indonesia) Magma Chamber Through the Lens of Zircon-hosted Melt Inclusions. – 2015. Vol. 22
- Lilliquist, Karl D. Holocene fluctuations of the Coe Glacier, Mount Hood. - 1988. Vol. 10
- \_\_\_\_\_. Historic glacier and climate fluctuations at Mount Hood, Oregon. (Includes 7 CD's of data and photographs). - 2004. Vol. 17
- \_\_\_\_\_. Historic glacier and climate fluctuations at Mount Hood, Oregon. Walker, Karen. - 2006. Vol. 18
- A limnological study of Shadow Lake, a subalpine lake at Mount Rainier National Park, Washington. Hall, Timothy. Vol. 1
- Lindstrom, John Walter, Jr. A new model for the formation of Crater Lake caldera, Oregon. Vol. 2
- Little ice age glacier fluctuations in the Cascade Range of Washington and Northern Oregon. O'Neal, Michael Aaron. - 2005. SR 3
- Lockerby, Robert. U.S. mountaineering libraries, a survey. Vol. 9
- Long, Eleanor V. Attitude change related to a course in backpacking at the University of Montana, 1974. Vol. 3
- Lopez Gonzalez, Carlos. Puma (*Puma concolor*) dispersal. Effective population size and long term conservation in the Great Basin, USA. - 1999. Vol. 16
- Lundstrom, S.C. Photogrammetric analysis of 1984-1989 surface altitude change of the partially debris covering the Eliot Glacier, Mount Hood, Oregon. - 1988 Grant, 1993. Vol. 12
- Lutz, Eric. Relating wet loose snow avalanching to surficial shear strength. Trautman, Simon; Birkeland, Karl W.; Custer, Stephen G. - 2005. Vol. 18
- Lyon, John G. Atmospheric assay for polychlorinated biphenyls & DDT during Douglas-fir Tussock Moth pest management. Vol. 2
- \_\_\_\_\_. Preliminary report of the 1976 Awlinsky Peaks expedition. Vol. 3
- Mairs, John W. Plant communities of the Steens Mountain subalpine grasslands and their relationships to certain environmental elements. Vol. 3
- Malkin, Devin R. Initial conservation assessment and effects of rock climbing on *Silene seelyi*, a rare Washington endemic. - 2001. Vol. 16
- Mapping the boundaries of forests killed by past eruptions of Mount St. Helens: a progress report, Yamaguchi, David K. Vol. 7
- Marangio, Michael S. Aspects of population structure and growth in the Pacific Giant Salamander, *Dicamptoden ensatus* in clearcut and forested sections of a stream. Vol. 2
- Marcott, Shaun A. A latest Pleistocene and Holocene glacier history and paleoclimate reconstruction at Three Sisters and Broken Top volcanoes, Oregon, USA. Fountain, Andrew G.; O'Connor, Jim E.; Sniffen, Peter J.; Dethier, David P. - 2008. Vol. 19
- \_\_\_\_\_. The occurrence of neotomic rough-skinned newts (*Taricha granulose*) in montane lakes of Southern Oregon. Vol. 3
- McCafferty, A.E. Photogrammetric analysis of 1984-1989 surface altitude change of the partially debris covering the Eliot Glacier, Mount Hood, Oregon. - 1988 Grant, 1993. Vol. 12
- McDonald, Gregory D. Changes in the mass of Collier Glacier, Oregon, 1910-1994. - 1993 Grant - 1995. Vol. 14
- Meredith, Don. Subalpine cover ecology of *Eutamias amoenus*, *Eutamias townsendii* and other small mammals in Huckleberry Park, Mount Rainier National Park. Vol. 2
- The microbial diversity and ecology of selected andesitic hydrothermal environments. Henneberger, Ruth. - 2008. (bound copy accompanied by 2 CD's). SR 4



- Microenvironmental modifications to favor seed germination in distributed sub-alpine environments, Mount Rainier National Park, Washington. Ahlstrand, Gary M. Vol. 1
- Microsatellite characteristics and population structure for two anurans (*Rana Luteiventris* and *Hyla Regilla*). Call, Douglas - 1993 Grant - 1997. Vol. 13
- Miles, John C. The climber impact problem in Grand Teton National Park. - 1981. Vol. 5
- Miller, Eric A. The dynamics of forest-meadow ecotones in the Three Sisters Wilderness, Oregon: variations across environmental gradients. - 1993 Grant, 1998. Vol. 13
- \_\_\_\_\_. Effects of environmental and grazing disruption on tree establishment in meadows of the Central Cascade Range, Oregon. - 1993 Grant - 1998 Vol. 13
- \_\_\_\_\_. Effects of environment and grazing disturbance on tree establishment in meadows of the central Cascade Range, Oregon. - 1998. Vol. 15
- \_\_\_\_\_. Equations for predicting above-ground biomass of plant species in early succession forests on the western Cascade Range, Oregon. - 1991 Grant, 1996. Vol. 12
- Mills, R. Scott. The case of the missing marmots: are metapopulation dynamics or range-wide declines responsible? Griffin, Suzanne Cox; Taper, Mark L.; Hoffman, Roger - 2008. Vol. 19
- \_\_\_\_\_. Effects of tourists on behavior and demography of Olympic Marmots. Griffin, Suzanne Cox; Valois, Tanguy; Taper, Mark L. - 2007. Vol. 19
- \_\_\_\_\_. Female Olympic Marmots (*Marmota Olympos*) reproduce in consecutive years. Griffith, Suzanne Cox; Taper, Mark L. - 2007. Vol. 19
- Mountain, Keith R. The chronology, geomorphology, and the climate of Collier Glacier with special reference to the ablation process. - 1977 Grant - 1978. Vol. 4
- \_\_\_\_\_. Collier Glacier: a rethink of its history and comments on its climatic status since 1975, Oregon. Vol. 7
- \_\_\_\_\_. Collier Glacier: a rethink of its history and comments on its climatic status since 1975, Oregon. - 1983 Grant - 1985
- Mountain goat genetic structure, molecular diversity, and gene flow in the Cascade range, Washington. Shirk, Andrew J. - 2009. Vol. 20
- Moussallam, Y. et al., Characterization of the magmatic signature in gas emissions from Turrialba Volcano, Costa Rica. - 2014. Vol. 22
- Neal, Ken. Geological history of the Matterhorn - Sacajewea Peak area, Eagle Cap Wilderness area, Oregon. Vol. 2
- Nebert, Douglas D. Environment and distribution of rock glaciers in the Olympic Mountains, Washington. - 1984. Vol. 7
- Nest-site habitat selection and breeding biology of the Northern Pygmy-Owl in northwestern Oregon. Deshler, John Frederick - 2010. Vol. 20
- A new model for the formation of Crater Lake caldera, Oregon. Lindstrom, John Walter, Jr. Vol. 2
- New tree-ring dates for recent eruptions on Mount St. Helens, Washington. Yamaguchi, David K. Vol. 6
- Obery, M., How are American Pikas Reacting to Climate Change? - 2016. Vol. 22
- Oblique photogrammetric analysis of dome growth at Mount St. Helens Volcano, 2004-2007. Diefenbach, Angela K. - 2007. Vol. 20
- The occurrence of neotomic rough-skinned newts (*Taricha granulose*) in montane lakes of Southern Oregon. Marangio, Michael. S. Vol. 3
- O'Conner, David E. The dilemma on Burley Mountain. Vol. 3.
- O'Conner, Jim E. A latest Pleistocene and Holocene glacier history and paleoclimate reconstruction at Three Sisters and Broken Top volcanoes, Oregon, USA. Marcott, Shaun A.; Fountain, Andrew G.; Sniffen, Peter J.; Dethier, David P. - 2008. Vol. 19
- Ohlschlager, Justin G. Glacier Change on the Three Sisters Volcanoes, Oregon: 1900-2010. - 2015. Vol. 22
- Olson, Annette M. Species replacement during early secondary succession: the abrupt decline of a winter annual - 1991 Grant, 1997. Vol. 12
- O'Neal, Michael Aaron The effect of slope degradation on lichenometric dating of Little Ice Age moraines. - 2006. Vol. 18
- \_\_\_\_\_. Little ice age glacier fluctuations in the Cascade Range of Washington and Northern Oregon. - 2005. SR 3
- \_\_\_\_\_. The response of glaciers to intrinsic climate variability: observations and models of late Holocene variations. Roe, Gerald H. - 2005. Vol. 18
- Osgood, David W. Ecology of over-wintering pikas (*Ochotona princes*) studies by radiotelemetry. Vol. 3.
- Paleoenvironment of the Eocene/Oligocene Hancock Mammal Quarry, Upper Clarno Formation, Oregon. Pratt, Jennifer Adams - 1988. Vol. 10
- Paleolimnology of Bull Run Lake: stability and disruption in a natural system, Oregon. Raymond, Richard R. - 1983. Vol. 7
- Palta, Susan M. Analysis of Goshawk nesting habitat at five spatial scales in undistributed and timber harvest territories on the Targhee National Forest. - 1992 Grant - 1997. Vol. 13
- Parker, Daryl. Variabilities contributing to acute mountain sickness on the summit of Mt. Whitney. Wagner, Dale R.; Fargo, Jamison D.; Tatsugawa, Kevin. - 2006. Vol. 18
- Patterns in whitebark pine regeneration and their relationships to biophysical site characteristics in

- southwest Montana, central Idaho and Oregon, USA. Larson, Evan R., Kipfmüller, Kurt F. – 2010. Vol. 20
- Peck, JerriLynn E. The effects of dredging on the vegetative complex and mesozobenthos of a small agricultural pond. -1991 Grant - 1993. Vol. 13
- Peitzsch, Erich. Water movement and capillary barriers in a stratified and inclined snowpack. Birkland, Karl W., Hansen, Kathy J. – 2008. Vol. 20
- \_\_\_\_\_. Water movement in a stratified and inclined snowpack: implications for wet slab avalanches. – 2009. Vol. 20
- \_\_\_\_\_. Wet slabs: what do we really know about them. – 2008. Vol. 20.
- Peterson, David L. Genetic and morphologic variation in *Phyllodoce empetriformis* and *Phyllodoce glandulifera* (Ericaceae) in Mount Rainier National Park, Washington. - 2001. Vol. 16
- \_\_\_\_\_. Temporal and spatial distribution of trees in Subalpine meadows of Mount Rainier National Park, Washington. - 1996. Vol. 15
- Pfaff, Virginia Josette. Geophysical and geochemical analysis of selected Miocene coastal basalt features, Clatsop County, Oregon. – 1981. Vol. 5
- Photogrammetric analysis of 1984-1989 surface altitude change of the partially debris covering the Eliot Glacier, Mount Hood, Oregon. Lundstrom, S.C., McCafferty, A.E., Coe, J.A. - 1988 Grant, 1993. Vol. 12
- A pilot biological survey of the Sky Lakes Wilderness study area. Cross, Stephen P and Lang, Frank A. Vol. 1
- Pelto, Mauri S. Changes in glaciers on Glacier Peak in the last 100 year. Vol. 17
- Petrogenetic relationship of the postcaldera eruptions of Mount Mazama, Crater Lake, Oregon; evolutions of a sub-volcanic magma chamber following a large silicic eruption. Tebbe, Michelle Leanne – 2012. No. 6
- Plant communities of the Steens Mountain subalpine grasslands and their relationships to certain environmental elements. Mairs, John W. Vol. 3
- Plant species responses to anthropogenic forest edges in the southern Olympic Peninsula, Washington, USA. Falk, Donald A. - 2004. Vol. 17
- The population ecology of the intertidal alga *Colium Setchellii*. Trowbridge, Cynthia - 1987. Vol. 9.
- Population of Howell's Mariposa Lily (*Calochortus howellii*), a rare serpentine endemic to the Siskiyou Mountains (summary). Fredericks, Nancy A. - 1988. Vol. 12
- Pratt, Jennifer Adams. Paleoenvironment of the Eocene/Oligocene Hancock Mammal Quarry, Upper Clarno Formation, Oregon. - 1988. Vol. 10
- Preliminary report on the geology of the Mt. Jefferson 7 ½ minute quadrangle. Conrey, Richard - 1984. Vol. 8
- Preliminary report of the 1976 Awlinsky Peaks expedition. Lyon, John G. Vol. 3
- Prescribed fire as a management tool for restoring mountain meadow in the central Cascade Range, Oregon: a progress report. Halpern, Charles B. - 2000. Vol. 16
- Progress report on the Fifes Peaks, Washington, an early Cenozoic volcano in the Cascade Range. Hammond, Paul E. - Grant 1988 - 1989. Vol. 9
- Public participation in resource management decision-making: a cross-cultural study. Aptekar, Bryan. - 2000. Vol. 16
- Puma (*Puma concolor*) dispersal. Effective population size and long term conservation in the Great Basin, USA. Laundre, John W.; Lopez Gonzalez, Carlos; Altendorf, Kelly B.; Struebel, Donald P. - 1999. Vol. 16
- Quantified loaded column stability test: mechanics, procedure, sample-size selection and trials. Landry, Christopher Cameron; Borkowski, John J.; Brown, Robert L. - 2001. Vol. 17
- Quaternary stratigraphy and late Holocene faulting along the base of the eastern escapement of Steens Mountain, Southeastern Oregon. Hemphill-Haley, Mark A. - 1984 Grant - 1987. Vol. 10
- Radon gas occurrence and distribution in selected caves in Washington. Buchanan, John P. - 1991. Vol. 12
- Rapid, low-cost photogrammetry to monitor volcanic eruptions: an example from Mt. St. Helens, Washington. Diefenbach, Angela K. – 2007. Vol. 20
- Raymond, Richard R. Paleolimnology of Bull Run Lake: stability and disruption in a natural system, Oregon. - 1983. Vol. 7
- Recent periglacial debris flows from Mount Rainier, Washington. Copeland, Elizabeth A. – 2009. Vol. 20
- Relating wet loose snow avalanching to surficial shear strength. Trautman, Simon; Lutz, Eric; Birkeland, Karl W.; Custer, Stephen G. - 2005. Vol. 18
- Relationships of green-tree retention following timber harvest to forest growth and species composition in the western Cascade Mountains, Rose, Coulter R. - 1993 Grant - 1995. Vol. 13
- The response of glaciers to intrinsic climate variability: observations and models of late Holocene variations. O'Neal, Michael A.; Roe, Gerald H. - 2005. Vol. 18
- Rice, C.G. Inferring landscape effects on gene flow: a new model selection framework. Shirk, Andrew J., Wallin, D.O., Cushman, S.A., Warheit, K.I. – 2010. Vol. 20

- Rich, Terrell D.G. Distribution, behavior and habitat of the Black Rosy Finch on National Forest land. Vol. 2
- Ritchey, Joseph L. The culminating eruption of Mt. Mazama. Vol. 2
- Robertson, Bruce A. Is selectively harvested forest an ecological trap for olive-sided flycatchers? Hutto, Richard L. - 2007. Vol. 19
- Roblyn, T.L. The geology of the Strawberry Volcanics, Northeast Oregon. Vol. 3
- Rochefort, Regina Marie. Ecology and conservation of heather in Mount Rainier National Park. - 1995. Vol. 15
- \_\_\_\_\_. Genetic and morphologic variation in *Phyllodoce empetriformis* and *Phyllodoce glandulifera* (Ericaceae) in Mount Rainier National Park, Washington. - 2001. Vol. 16
- \_\_\_\_\_. Temporal and spatial distribution of trees in Subalpine meadows of Mount Rainier National Park, Washington. - 1996. Vol. 15
- Rocks, range, renfrew: using distance-decay effects to study late pre-Mazama period obsidian acquisition and mobility in Oregon and Washington. Hess, Sean C. - 1997. Vol. 15
- Roe, Gerald H. The response of glaciers to intrinsic climate variability: observations and models of late Holocene variations. O'Neal, Michael A. - 2005. Vol. 18
- The role of the supra-glacial debris on the melting of Eliot Glacier, Mt. Hood. Schlichting, Robert; Fountain, Andrew - 2003. Vol. 17
- Rose, Coulter R. Relationships of green-tree retention following timber harvest to forest growth and species composition in the western Cascade Mountains, - 1993 Grant - 1995. Vol. 13
- Rubus armeniacus* (Himalayan blackberry) occurrence and growth in relation to soil and light conditions in Western Oregon. Caplan, Joshua S.; Yeakley, J. Alan. - 2006. Vol. 18
- Rystrom, Kenneth. Government response to Mount St. Helens eruptions, May 18, 1980, Washington. Vol. 4
- Safety behaviors of Montana licensed outfitters. Sobeck, Linda Sue. - 2006. Vol. 18
- Sager, Kimberly Ann. Black bear distribution patterns in a temperate forest environment, Olympic National Park. - 2005. Vol. 18
- Schaaf, Dick Vander. The ecological effects of recreation use on Subalpine meadow plant communities in Jefferson Park, Mt. Jefferson Wilderness, Oregon. - 1982. Vol. 6
- \_\_\_\_\_. An ecological study of the effects of recreation on the subalpine communities of Jefferson Park, Mount Jefferson Wilderness. Vol. 4
- \_\_\_\_\_. An ecological study of the effects of recreation on the subalpine communities of Jefferson Park, Mount Jefferson Wilderness. - 1978 Grant - 1979
- \_\_\_\_\_. An ecological study of the effects of recreation and tree growth in Jefferson Park, Mt. Jefferson Wilderness, Oregon - 1980. Vol. 4
- Schlichting, Robert. The role of the supra-glacial debris on the melting of Eliot Glacier, Mt. Hood. Fountain, Andrew - 2003. Vol. 17
- Sedimentary and geomorphologic evolution of a portion of the North Fork Toutle River, Mount St. Helens National Volcanic Monument, Washington. Bart, Michelle Linne. - 1999. Vol. 15
- Seiser, Virginia. U.S. mountaineering libraries, a survey. Lockerby, Robert. Vol. 9
- Sellers, Mike. Behavior, ecology and conservation of mountain lions in fragmented habitat - 1991. Vol. 12
- Shades of grey: lithic variation in psuedobasaltic debitage. Bakewell, Edward F. - 1991. Vol. 12
- Shaw, S. H2O Contents in Olivine-Hosted Melt Inclusions From Primitive Magmas in the Northern Cascade Arc. - 2011. Vol. 21
- Shirk, Andrew J. Inferring landscape effects on gene flow: a new model selection framework. Wallin, D.O., Cushman, S.A., Rice, C. G., Warheit, K.I. - 2010. Vol. 20
- \_\_\_\_\_. Mountain goat genetic structure, molecular diversity, and gene flow in the Cascade range, Washington. - 2009. Vol. 20
- Sniffen, Peter J. A latest Pleistocene and Holocene glacier history and paleoclimate reconstruction at Three Sisters and Broken Top volcanoes, Oregon, USA. Marcott, Shaun A.; Fountain, Andrew G.; O'Connor, Jim E.; Dethier, David P. - 2008. Vol. 19
- Sobeck, Linda Sue. Safety behaviors of Montana licensed outfitters. - 2006. Vol. 18
- The sociality of pinon jays with and without pinon pine (summary). Brody, Allison J. 1991 Grant, 1993. Vol. 12
- Solitude, silence and "The Freedom to Ride": real and perceived conflicts in winter recreation at Mount St. Helens. Gilden, Jennifer - 2001. Vol. 17
- Soll, Jonathan. Diffuse knapweed control on Tom McCall Preserve and Mayer State Park. - 1989. Vol. 9
- Some effects of snowmobiles in the High Cascades. Bowerman, Jay. Vol. 1
- Sorensen, Lars D. High glacier lakes of the Three Sisters and Broken Top. - 1982. Vol. 6
- Spatial and morphological change of Eliot Glacier, Mount Hood, Oregon. Jackson, Keith Michael - 2007. Vol. 18
- Spatial distribution of two surface hoar events in the Chilkat and Takhinsha Mountains of southeast Alaska. Borish, Matthew, Birkeland, Karl W., Challenger, Stuart, Custer, Stephen - 2010. Vol. 20
- Spatial variations in snow stability on uniform slopes: implications for extrapolation to surrounding terrain. Landry, Christopher Cameron - 2002. Vol. 17

- Species replacement during early secondary succession: the abrupt decline of a winter annual. Halpern, Charles B., Antos, Joseph A., Geyer, Melora A., Olson, Annette M. - 1991 Grant, 1997. Vol. 12
- Spicer, Richard C. Glaciers in the Olympic Mountains, Washington: present distribution and recent variations. - 1982 Grant - 1986. Vol. 6
- Status and dynamics of Whitebark Pine (*Pinus albicaulis* Engelm.) forests in Southwestern Montana, Central Idaho, and Oregon, U.S.A. Larson, Evan Reed – 2009 Research Report no. 8
- The status of the mountain goat on Barometer Mountain, Mt. Baker National Forest, Washington. Wright, Will. Vol. 3
- Stavert, Larry. A geochemical reconnaissance investigation of Mount Baker andesites. Vol. 2
- Steele, William K. Geothermal ice caves, Mount Baker, Washington. Vol. 1
- \_\_\_\_\_. Geothermal ice cave and fumarole study, Mounts Baker and Rainier, 1975. Vol. 1
- Stone, Eric. The effects of a modern forest fire on an avian community structure. - 1991 Grant, 1992. Vol. 12
- Stratigraph and hydrothermal alteration of the Central North Santiam mining area, Western Cascades, Oregon: preliminary report. Thompson, Gordon - 1985. Vol. 8
- Streit, A. Disjunction and Pleistocene effects in the North American Pacific Northwest: Phylogeography of *Synthyris missurica* (*Plantaginaceae*). Webster, M., Hufford, L – 2004. Vol. 20
- Streubel, Donald P. Behavior, ecology and conservation of mountain lions in fragmented habitat. - 1991. Vol. 12
- \_\_\_\_\_. Puma (*Puma concolor*) dispersal. Effective population size and long term conservation in the Great Basin, USA. - 1999. Vol. 16
- The structure and petrology of the Slesse Peak area, Chilliwack Mountains, British Columbia, Canada. Jewett, Peter D. - 1983 Grant - 1985. Vol. 8
- A study of the primary productivity rate of South Cascade Glacier: correlation with ice worm populations. Bland, Jeffrey and Wilson, Kathy. Vol. 3
- Subalpine cover ecology of *Eutamias amoenus*, *Eutamias townsendii* and other small mammals in Huckleberry Park, Mount Rainier National Park. Meredith, Don. Vol. 2
- Summit firn cave study, Mount Rainier, Washington. Kiver, Eugene P. Vol. 1
- Surface Hoar Distribution at the Scale of a Helicopter Skiing Operation. Borish, M., et al, 2012 Vol. 21
- A survey of native grassland remnants in the Mid-Willamette Valley, Oregon. Alverson, Edward R. - 1988 Grant - 1989. Vol. 9
- A survey of the phytoplankton in selected high-altitude lakes in the Oregon Cascades. Sweet, James W. - 1983. Vol. 7
- Survey of the vascular plants on Miller Island, Klickitat County, Washington. Jolley, Russ. - 1983 Grant - 1984. Vol. 8
- Sweet, James W. A survey of the phytoplankton in selected high-altitude lakes in the Oregon Cascades. - 1983. Vol. 7
- Sylvilagus nuttallii*: a semiariboreal lagomorph. Verts, B.J., Gelman, Steven D., Hundertmark, Kris J. Vol. 7
- The symbiotic fungi needed for tree establishment, survival and growth in Subalpine to treeline habitats in the North Cascades. Trappe, James M.; Jumpponen, Ari; Cazares, Efren. - 1999. Vol. 16
- Tahoma: The Place and Its People. The Natural History of Mount Rainier National Park. Antonelis-Lapp, J. 2013. Vol. 21
- Taper, Mark L. The case of the missing marmots: are metapopulation dynamics or range-wide declines responsible? Griffin, Suzanne Cox; Hoffman, Roger; Mills, R. Scott. - 2008. Vol. 19
- \_\_\_\_\_. Effects of tourists on behavior and demography of Olympic Marmots. Griffin, Suzanne Cox; Valois, Tanguy; Mills, L. Scott. - 2007. Vol. 19
- \_\_\_\_\_. Female Olympic Marmots (*Marmota olympus*) reproduce in consecutive years. Griffith, Suzanne Cox; Mills, L. Scott. - 2007. Vol. 19
- The Tatoosh volcanic-plutonic province, Mount Rainier National Park. Thompson, Keith Richard. Vol. 7
- Tatsugawa, Kevin. Variabilities contributing to acute mountain sickness on the summit of Mt. Whitney. Wagner, Dale R.; Fargo, Jamison D.; Parker, Daryl - 2006. Vol. 18
- Tebbe, Michelle Leanne. Petrogenetic relationship of the postcaldera eruptions of Mount Mazama, Crater Lake, Oregon; evolutions of a sub-volcanic magma chamber following a large silicic eruption. – 2012. No. 6
- Technique development for the mapping of mountain goat habitat in Washington. Fox, Joseph L. - 1985. Vol. 8
- Temporal and spatial distribution of trees in Subalpine meadows of Mount Rainier National Park, Washington. Rochfort, Regina Marie; Peterson, David L. - 1996. Vol. 15
- Thompson, Gordon. Stratigraph and hydrothermal alteration of the Central North Santiam mining area, Western Cascades, Oregon: preliminary report. - 1985. Vol. 8
- Thompson, Keith Richard. The Tatoosh volcanic-plutonic province, Mount Rainier National Park. Vol. 7

- Trappe, James M. The symbiotic fungi needed for tree establishment, survival and growth in Subalpine to treeline habitats in the North Cascades. - 1999. Vol. 16
- Trautman, Simon. Relating wet loose snow avalanching to surficial shear strength. Lutz, Eric; Birkeland, Karl W.; Custer, Stephen G. - 2005. Vol. 18
- Tripepe, Robert. Conserving through propagation, the threatened Pacific Dogwood of Idaho. - 1991 Grant - 1993. Vol. 13
- Trost, C.H. Analysis of Goshawk nesting habitat at five spatial scales in undisturbed and timber harvest territories on the Targhee National Forest. - 1992 Grant - 1997. Vol. 13
- Trowbridge, Cynthia. The population ecology of the intertidal alga *Colium Setchellii*. - 1987. Vol. 9.
- True, Thomas Jesse. The behavior and ecology of the pika (*Ochotona Principes lemhi*). Vol. 2
- Two new North American sphagnum species in section Subsecunda. Andrus, Richard E. - 1983. Vol. 7
- U.S. mountaineering libraries, a survey. Seiser, Virginia and Lockerby, Robert. Vol. 9
- Valois, Tanguy. Effects of tourists on behavior and demography of Olympic Marmots. Griffin, Suzanne Cox; Taper, Mark L.; Mills, L. Scott. - 2007. Vol. 19
- Variabilities contributing to acute mountain sickness on the summit of Mt. Whitney. Wagner, Dale R.; Fargo, Jamison D.; Parker, Daryl; Tatsugawa, Kevin. - 2006. Vol. 18
- Verts, B. J. *Sylvilagus nuttallii*: a semiariboreal lagomorph. Vol. 7
- Wagner, Dale R. Variabilities contributing to acute mountain sickness on the summit of Mt. Whitney. Fargo, Jamison D.; Parker, Daryl; Tatsugawa, Kevin. - 2006. Vol. 18
- Walker, Karen. Historic glacier and climate fluctuations at Mount Hood, Oregon. Lillquist, Karl - 2006. Vol. 18
- Wallin, D.O. Inferring landscape effects on gene flow: a new model selection framework. Shirk, Andrew J., Cushman, S.A., Rice, C. G., Warheit, K.I. - 2010. Vol. 20
- Warheit, K.I. Inferring landscape effects on gene flow: a new model selection framework. Shirk, Andrew J., Wallin, D.O., Cushman, S.A., Rice, C. G., - 2010. Vol. 20
- Water movement and capillary barriers in a stratified and inclined snowpack. Peitzsch, Erich, Birkland, Karl W., Hansen, Kathy J. - 2008. Vol. 20
- Water movement in a stratified and inclined snowpack: implications for wet slab avalanches. Peitzsch, Erich. - 2009. Vol. 20
- Webster, M. Disjunction and Pleistocene effects in the North American Pacific Northwest: Phylogeography of *Synthyris missurica* (*Plantaginaceae*). Streit, A., Hufford, L - 2004. Vol. 20
- Wenny, David L. Conserving through propagation, the threatened Pacific Dogwood of Idaho. - 1991 Grant - 1993. Vol. 13
- Wet slabs: what do we really know about them. Peitzsch, Erich. - 2008. Vol. 20
- When snags are scarce: saving birds using nest boxes. Progress report. Corkran, Charlotte C. - 1998. Vol. 15
- When snags are scarce: saving birds using nest boxes. Progress report. Corkran, Charlotte C. - 1999. Vol. 16
- Williams, Dave. Atmospheric assay for polychlorinated biphenyls & DDT during Douglas-fir Tussock Moth pest management. Vol. 2
- Wilson, Albert. Habitat requirements of the Cour d'Alene Salamander *Plethodon vandykei idahoensis*. - 1985. Vol. 8
- Wilson, Kathy. A study of the primary productivity rate of South Cascade Glacier: correlation with ice worm populations. Vol. 3
- Winter, Linda Ellen. Five centuries of structural development in an old-growth Douglas-Fir stand in the Pacific Northwest: a reconstruction from tree-ring records. - 2000. Vol. 16
- Wolves, elk and bison: reestablishing the "landscape of fear" in Yellowstone National Park. Laundre, John W.; Hernandez, Lucina; Altendorf, Kelly B. - 2001. Vol. 16
- Woodford, Riley. Geology of the Green Mountains, Oregon. - 1982. Vol. 6
- \_\_\_\_\_. The geology of Green Mountain: research project. 1982. Vol. 6
- Wright, Will. The status of the mountain goat on Barometer Mountain, Mt. Baker National Forest, Washington. Vol. 3
- Yamaguchi, David K. Mapping the boundaries of forests killed by past eruptions of Mount St. Helens: a progress report, Vol. 7
- \_\_\_\_\_. New tree-ring dates for recent eruptions on Mount St. Helens, Washington. Vol. 6
- Yeakley, J. Alan. *Rubus armeniacus* (Himalayan blackberry) occurrence and growth in relation to soil and light conditions in Western Oregon. Caplan, Joshua S. - 2006. Vol. 18
- Youtie, Berta. Diffuse knapweed control on Tom McCall Preserve and Mayer State Park. - 1989. Vol. 9

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Variabilities contributing to acute mountain sickness on the summit of Mt. Whitney. Wagner, Dale R.; Fargo, Jamison D.; Parker, Daryl; Tatsugawa, Kevin. - 2006. Vol. 18

**Aerial Photographs**

Glacier change on Oregon 1935-2007: an analysis of Mazama aerial photographs. Cannon, Charles; Leonard, Jessica L.; Fountain, Andrew G. - 2008. Vol. 19

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- Black bear distribution patterns in a temperate forest environment, Olympic National Park. Sager, Kimberly Ann. - 2005. Vol. 18
- Demography and ecology of a declining endemic: the Olympic Marmot. Griffin, Suzanne Cox. - 2007. Vol. 19
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- Assessing the safety of weed biological control: A case study of the Cinnabar Moth *Tyria jacobaeae*. Fuller, Jason L. - 2003. SR 2
- Patterns in whitebark pine regeneration and their relationships to biophysical site characteristics in southwest Montana, central Idaho and Oregon, USA. Larson, Evan R., Kipfmüller, Kurt F. - 2010. Vol. 20
- Status and dynamics of Whitebark Pine (*Pinus albicaulis* Engelm.) forests in Southwestern Montana, Central Idaho, and Oregon, U.S.A. Larson, Evan Reed - 2009 Research Report no. 8
- Oregon – Cascades**
- Central Oregon fossil leaves, their implications about paleoclimate and the growth of the central portion of the Oregon High Cascade Mountains. Ashwill, Melvin S. - 1990. Vol. 11
- Ecology of *Cordyadalis aquae-gerlidae*, a rare riparian plant. Goldenberg, Donald M. - 1992. Vol. 12
- Effects of environmental and grazing disruption on tree establishment in meadows of the Central Cascade Range, Oregon. Miller, Eric A.; Halpern, Charles B. - 1991 Grant - 1993. Vol. 13
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- Ferns (bogs) of the Oregon Cascades. Christy, John A. - 1981. Vol. 5
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- Little ice age glacier fluctuations in the Cascade Range of Washington and Northern Oregon. O'Neal, Michael Aaron. - 2005. SR 3
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- Relationships of green-tree retention following timber harvest to forest growth and species composition in the western Cascade Mountains, Rose, Coulter R. - 1993 Grant - 1995. Vol. 13
- Rocks, range, renfrew: using distance-decay effects to study late pre-Mazama period obsidian acquisition and mobility in Oregon and Washington. Hess, Sean C. - 1997. Vol. 15
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- Stratigraphic and hydrothermal alteration of the Central North Santiam mining area, Western Cascades, Oregon: preliminary report. Thompson, Gordon - 1985. Vol. 8
- A survey of the phytoplankton in selected high-altitude lakes in the Oregon Cascades. Sweet, James W. - 1983. Vol. 7
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- Food selection and juvenile survival in Nuttall's Cottontails in Central Oregon. Hundertmark, Kris Joseph - 1982. Vol. 6
- Paleoenvironment of the Eocene/Oligocene Hancock Mammal Quarry, Upper Clarno Formation, Oregon. Pratt, Jennifer Adams - 1988. Vol. 10
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- The flow and mass wastage of Eliot Glacier, Mount Hood, Oregon. Jackson, Keith M. - 2005. Vol. 18
- Historic glacier and climate fluctuations at Mount Hood, Oregon. (Includes 7 CD's of data and photographs). Lillquist, Karl. - 2004. Vol. 17
- Historic glacier and climate fluctuations at Mount Hood, Oregon. Lillquist, Karl; Walker, Karen. - 2006. Vol. 18
- Holocene fluctuations of the Coe Glacier, Mount Hood. Lillquist, Karl D. - 1988. Vol. 10
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- Photogrammetric analysis of 1984-1989 surface altitude change of the partially debris covering the Eliot Glacier, Mount Hood, Oregon. Lundstrom, S.C., McCafferty, A.E., Coe, J.A. - 1988 Grant, 1993. Vol. 12
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