

M.J. MURDOCK CHARITABLE TRUST

QUARTERLY GRANTS REPORT | WINTER 2020

96 Grants | \$14,801,447

ALASKA

8 grants | \$1,541,400

Alaska Christian College 35109 Royal Place, Soldotna, AK 99669	\$500,000	New Facility Construction - To serve the campus and community
Alaska Songbird Institute PO Box 80235, Fairbanks, AK 99708	\$114,400	Staff Expansion - To support the study and recovery of migratory songbird populations in Alaska
Alaska State Fair 2075 Glenn Highway, Palmer, AK 99645	\$163,000	New Facility - To provide agricultural education for Alaska youth
Boy Scouts of America, Great Alaska Council 3117 Patterson Street, Anchorage, AK 99504-4041	\$75,000	Potlatch Building Replacement - To increase Eagle River camp capacity
North Pole High School 601 NPHS Boulevard, North Pole, AK 99705	\$10,000	Spectrophotometry: Applications in Chemistry & Paleontology: Birds of a Feather? - For Partners in Science Supplemental Program
North Pole High School 601 NPHS Boulevard, North Pole, AK 99705	\$10,000	Biotechnology and Forensic Anthropology Lab Activities - For Partners in Science Supplemental Program
Prince William Sound Science and Technology Institute PO Box 705, Cordova, AK 99574-0705	\$650,000	New Construction - For the institute's consolidated campus
University of Alaska Fairbanks 907 Yukon Drive, Fairbanks, AK 99775-7880	\$19,000	Evaluating Shifts in Microbial Community Structure Associated with Phytoremediation of Diesel-Contaminated Soil in Kaltag, Alaska - For Partners in Science Program



IDAHO

11 grants | \$1,239,500

BMH, Inc. 98 Poplar Street, Blackfoot, ID 83221	\$309,500	3D Mammography Equipment - To serve rural patients
Boise State University 1910 University Drive, Boise, ID 83725-1515	\$19,000	In Vitro Inhibition of Metastatic Prostate Cancer with Small Molecule Inhibitors - For Partners in Science Program
Boise State University 1910 University Drive, Boise, ID 83725-1515	\$19,000	Plant-Soil Feedbacks and Restoration in Sage-Steppe Ecosystems - For Partners in Science Program
Boise State University 1910 University Drive, Boise, ID 83725-1515	\$19,000	Mapping and Modeling to Forecast Ecosystem Recovery after Megafires in Sagebrush Steppe - For Partners in Science Program
Idaho Ranch for Youth 5465 W. Irving, Boise, ID 83706	\$265,000	New Facility - To serve at-risk youth and their families
Idaho State University 921 S 8th Avenue, Pocatello, ID 83209	\$19,000	Identifying Subclass and Activation Patterns of Autoantibodies - For Partners in Science Program
Renaissance High School 1307 E. Central Drive, Meridian, ID	\$4,000	Planning and Conducting Investigations That Emphasize Separating Solutions - For Partners in Science Supplemental Program
University of Idaho 875 Perimeter Drive, MS 3020 Moscow, ID 83844-3020	\$19,000	Research on Streambed-Groundwater Exchange and on Sediment Motion in Mountain Streams - For Partners in Science Program
University of Idaho 875 Perimeter Drive, MS 3020 Moscow, ID 83844-3020	\$19,000	Investigating Natural Selection Stemming from Environmental Conditions in Galápagos Endemic Land Snails - For Partners in Science Program
Winter Wildlands Alliance 910 Main Street, Suite 235 Boise, ID 83702	\$197,000	New Staff - To support outdoor access and education
Young Men's Christian Association of Boise 1177 W State Street, Boise, ID 83702	\$350,000	New Aquatic Center - To expand services to the community



MONTANA

5 grants | \$1,036,500

Alberta Bair Theater PO Box 1556, Billings, MT 59103	\$500,000	Leasehold Improvements - To expand programming and enhance visitor experience
Bigfork Center for the Performing Arts Foundation P. O. Box 1230, Bigfork, MT 59911	\$166,000	Facility Purchase and Renovation - To enhance visitor experience and to serve the community
Dahl Memorial Healthcare Association, Inc. PO Box 46, Ekalaka, MT 59324-0046	\$142,500	Equipment for New Hospital - To serve rural patients
Prickly Pear Land Trust PO Box 892, Helena, MT 59624	\$218,000	Facility Purchase - To support conservation work in Montana
Sentinel High School 901 South Avenue West, Missoula, MT 59801	\$10,000	Utilizing a Climate-Controlled Greenhouse for Implementing NGSS Standards and Cross Curricular Plant/Food Research - For Partners in Science Supplemental Program

OREGON

32 grants | \$4,273,400

Adelante Mujeres 2030 Main Street, Suite A Forest Grove, OR 97116	\$138,500	New Staff - To strengthen data and impact measurement
AntFarm Inc. 39140 Proctor Blvd, Sandy, OR 97055	\$51,000	New Equipment - To provide job skills training for at-risk youth
Broadway Rose Theatre Company PO Box 231004, Tigard, OR 97281-1004	\$500,000	Leasehold Improvements - To enhance cultural venue
Catholic Charities of Oregon 2740 SE Powell Boulevard, Portland, OR 97202	\$354,000	New Staff - To serve low-income and marginalized individuals
Christians as Family Advocates 921 Country Club Rd , Suite 222 Eugene, OR 97401	\$130,600	Leasehold Improvements - To expand family mental health services for families



Ecotrust 721 NW 9th Avenue, Suite 200, Portland, OR 97209	\$326,000	New Staff - To expand economic development programs
Friends of Frog Ferry 902 SW Shaker Place, Portland, OR 97225	\$300,000	New Executive Staff - To promote passenger ferry service to and from Portland to Vancouver
Friends of the Children - National 44 NE Morris, Portland, OR 97212	\$250,000	New Staff - To expand mentoring programs
Friends of the Children Central Oregon 20340 NE Empire Ave., Suite E-1 Bend, OR 97703	\$148,000	New Staff - To expand mentoring programs
Hillsboro High School 3285 Rood Bridge Road, Hillsboro, OR 97123	\$10,000	Quality Control Biochemistry: Confirming the Presence and Purity of Proteins Produced in Biomanufacturing - For Partners in Science Supplemental Program
International School of Beaverton 17770 SW Blanton, Beaverton, OR 97078	\$10,000	Dynamic Nature of Science--An Investigation into the Epigenetics of the PTC Bitter Tasting Gene (TAS2R38) - For Partners in Science Supplemental Program
Lewis and Clark College 0615 SW Palatine Hill Road, Portland, OR 97219-7899	\$60,000	Molecular Mechanisms of Transcription Regulation in Pluripotent Stem Cells - For Murdock College Research Program for Natural Sciences - Life Sciences
McKenzie River Discovery Center PO Box 506, Waltersville, OR 97489	\$234,500	New Executive Director - To support river education programs
North Bend High School 2323 Pacific Ave., North Bend, OR 97459	\$10,000	Effect of Ocean Acidification on Brine Shrimp: A Student-Driven Science Inquiry Project - For Partners in Science Supplemental Program
Oregon Health and Science University 3181 SW Sam Jackson Park Road, Portland, OR 97239	\$19,000	Mechanisms Underlying Age-Associated Brain Pathology - For Partners in Science Program
Oregon Health and Science University 3181 SW Sam Jackson Park Road, Portland, OR 97239	\$19,000	Sulfated Hyaluronan for the Promotion of Remyelination - For Partners in Science Program



Oregon Health and Science University 3181 SW Sam Jackson Park Road, Portland, OR 97239	\$19,000	Investigating the Effects of Long-Term Alcohol Use on the Sperm's Epigenome - For Partners in Science Program
Oregon Health and Science University Foundation 1121 SW Salmon Street, Suite 100, Portland, OR 97205-2021	\$120,000	Murdock Undergraduate Collaborative Research Program - For undergraduate training in biomedical research
Oregon Robotics Tournament and Outreach Program 4800 SW Griffith Drive, Suite 215 Beaverton, OR 97007	\$202,000	New Staff - To expand STEM programming to K-3 students and students with disabilities
PLAYA 47531 Highway 31, Summer Lake, OR 97640	\$157,000	New Studio - To support artistic and scientific residency program
Portland State University PO Box 751, Portland, OR 97207-0751	\$19,000	Gelatinous Zooplankton Feeding on Microbes - For Partners in Science Program
Portland State University PO Box 751, Portland, OR 97207-0751	\$19,000	Investigating Possible Biological Controls for English Ivy (Hedera helix) - For Partners in Science Program
Portland Youth Philharmonic Association 9320 SW Barbur Blvd., Suite 140 Portland, OR 97219	\$171,800	Expand Development Staff - To support music performance and education
Salem Rotary Foundation PO Box 3981, Salem, OR 97302	\$400,000	Gerry Frank Amphitheater Construction - To support regional events
Tillicum Foundation P.O. Box 269, Astoria, OR 97103	\$120,000	New Equipment - To provide programming to the Oregon Coast
University of Oregon 1720 E 13th Avenue, Suite 410, Eugene, OR 97403-2253	\$19,000	Understanding Photovoltaic Reference Cell Biases - For Partners in Science Program
University of Portland 5000 N Willamette Boulevard, Portland, OR 97203-5798	\$60,000	Probing the Effects of Shear Stress on Coronary Artery Development to Determine How Developmental Defects Arise - For Murdock College Research Program for Natural Sciences - Life Sciences
University of Portland 5000 N Willamette Boulevard, Portland, OR 97203-5798	\$19,000	Study of Marine Organisms and Soil Actinomycetes from an Archeological Site and Coastline of Mallorca - For Partners in Science Program



University of Portland 5000 N Willamette Boulevard, Portland, OR 97203-5798	\$60,000	Investigating the Cell Division Regulator Haspin in <i>C. elegans</i> to Understand the Function of an Important Target of Chemotherapeutic Drugs - For Murdock College Research Program for Natural Sciences - Life Sciences
Vestibular Disorders Association 5018 NE 15th Ave, Portland, OR 97211	\$100,000	New Staff - To support people suffering from chronic dizziness or imbalance
Vintage Trolley 1140 SW 11th Avenue Suite 500, Portland, OR 97205	\$75,000	New Equipment - To sustainably upgrade and operate historic transport in Portland Metro
Wallowa County Health Care District 601 Medical Parkway, Enterprise, OR 97828	\$152,000	Vehicle Purchase - To improve critical care for rural residents and visitors

WASHINGTON

34 grants | \$4,711,147

Best Buddies International 100 Southeast 2nd St, Suite 2200 Miami, FL 33131	\$208,000	New Staff - To expand programming in Washington State
Cascades Camp and Conference Center 22825 Peissner Road SE, Yelm, WA 98597	\$150,000	New Housing - To improve staff experience
Classical King FM 98.1 10 Harrison St, Suite 100 Seattle, WA 98109	\$150,000	Leasehold Improvements - To support classical music programming
Community Services of Moses Lake PO Box 683, Moses Lake, WA 98837	\$300,000	New Facility - To increase food distribution to low-income individuals and families
Coyote Central 2300 E. Cherry St., Seattle, WA 98122	\$250,000	New Facility - To expand services to underserved youth
Delta High School 5801 Broadmoor Blvd., Pasco, WA 99301	\$9,154	Zebra-Fish Husbandry as a Pathway to Increase Engagement with Mitosis, Meiosis, Environmental Impacts, and Embryonic Development - For Partners in Science Supplemental Program



Fred Hutchinson Cancer Research Center PO Box 19024, Seattle, WA 98109	\$516,000	New Fluorescence-Activated Cell Sorter - To support biomedical research
Gonzaga University 502 E Boone Avenue, Spokane, WA 99258-0001	\$19,000	Experimental Determination of Mechanical Properties for Point Loaded Glass - For Partners in Science Program
Gonzaga University 502 E Boone Avenue, Spokane, WA 99258-0001	\$60,000	Structure and Thermodynamics of Cucurbit[8]uril-Peptide Complexes: Toward the Development of On-Demand Supramolecular Protein Dimerization Domains - For Murdock College Research Program for Natural Sciences - Physical Sciences
Gonzaga University 502 E Boone Avenue, Spokane, WA 99258-0001	\$59,523	Aminoxide Ligands to Cooperatively Support Transition Metal Catalyzed Oxidations - For Murdock College Research Program for Natural Sciences - Physical Sciences
Greentrike 1501 Pacific Avenue, Suite 202 Tacoma, WA 98402	\$230,000	New Exhibit and Facility Renovations - To support educational play
Grunewald Guild 19003 River Road, Leavenworth, WA 98826	\$230,000	Facility Purchase and Renovation - To expand community arts programming
Habitat for Humanity of East Jefferson County PO Box 658, Port Townsend, WA 98368	\$197,000	New Staff - To service low-income families
Kamiak High School 10801 Harbour Pointe Blvd, Mukilteo, WA 98275	\$10,000	Can You Dig It?: Opportunities for Biotech and Forensic Science Student Collaboration in Studying Soil Bacteria from a Mock Crime Scene - For Partners in Science Supplemental Program
Kennewick School District 1000 W 4th Avenue, Kennewick, WA 99336-5601	\$19,000	Cosmic Ray Exposure of Dark Matter Detectors - For Partners in Science Program
King's Way Christian Schools 3306 NE 78th Street, Vancouver, WA 98665	\$136,500	STEM Laboratory Renovation - To support active learning and innovation
Landesa 1424 4th Avenue, Suite 300 Seattle, WA 98101	\$334,000	New Staff - To serve those affected by climate change and land tenure



Lighthouse Christian Ministries 410 S Columbia Street, Wenatchee, WA 98801	\$168,000	Building Purchase - To house women and children in transition
North Central High School 1600 North Howard St., Spokane, WA 99205	\$10,000	Effect of a Project-Based Curriculum on Gene Expression on High School Student Self Efficacy in STEM - For Partners in Science Supplemental Program
Pasco School District #1 1215 W Lewis Street, Pasco, WA 99301	\$19,000	Understanding Nepheline Crystallization in Waste Glasses - For Partners in Science Program
Philanthropy Northwest 2101 Fourth Avenue, Suite 650 Seattle, WA 98121	\$150,000	Enhanced Technology and Communications - To provide equitable access to rural members
San Juan Island Family Resource Center PO Box 1981, Friday Harbor, WA 98250	\$200,000	Leasehold Improvements - To support services for residents with low income
Seattle University PO Box 222000, Seattle, WA 98122-1090	\$60,000	Identifying Molecular Mechanisms of Lactobacillus Colonization in the Vaginal Microbiome - For Murdock College Research Program for Natural Sciences - Life Sciences
Seattle University PO Box 222000, Seattle, WA 98122-1090	\$59,970	Effect of the Abundance, Quality, and Connectivity of Green-Spaces on Beneficial Insects in Urban Community Gardens - For Murdock College Research Program for Natural Sciences - Life Sciences
South Sound Young Men's Christian Association 2102 Carriage Drive SW, Olympia, WA 98501	\$350,000	New Mason County/Shelton Facility - To expand services to the community
Southridge High School - Kennewick 3520 Southridge Boulevard, Kennewick, WA 99338	\$10,000	Increasing Student Engagement in Scientific Inquiry Investigations Using Data Incorporation Technologies to Study Cellular Energy Pathways - For Partners in Science Supplemental Program
Steamer Virginia V Foundation PO Box 9566, Seattle, WA 98109	\$150,000	Capital Improvement - To preserve historic maritime artifact



Tacoma Little Theatre & Drama League 210 N I St, Tacoma, WA 98403	\$55,000	Auditorium Upgrade - To improve ADA and patron amenities
University of Puget Sound 1500 N Warner Street, CMB 1015 Tacoma, WA 98416	\$60,000	Determining the Seasonal Dynamics of Methane in the Sargasso Sea to Identify the Environmental Controls on Methane Production by Marine Microbes - For Murdock College Research Program for Natural Sciences - Life Sciences
University of Washington PO Box 351230, Seattle, WA 98195-1230	\$19,000	Uncovering the Presynaptic Function of Autism Spectrum Disorder-Associated Protein GRIP1 - For Partners in Science Program
University of Washington PO Box 351230, Seattle, WA 98195-1230	\$19,000	Implications of Ocean Acidification and Deoxygenation for Plankton in Friday Harbor, Salish Sea - For Partners in Science Program
Urban Grace the Downtown Church 902 Market St Tacoma, WA 98402	\$325,000	Facility Renovation - To serve nonprofit in Tacoma
Whitman College 345 Boyer Avenue, Walla Walla, WA 99362-2083	\$60,000	Bacteria to Building Blocks: Exploration of Substrate Specificity in Benzoate dioxygenase from <i>R. eutropha</i> B9 - For Murdock College Research Program for Natural Sciences - Physical Sciences
Whitworth University 300 W Hawthorne Road, Spokane, WA 99251	\$60,000	Role of the Endocannabinoid System in Benefits of Fasting & Exercise in the SwLo Model of Depression & Epilepsy - For Murdock College Research Program for Natural Sciences - Life Sciences

NATIONAL & BRITISH COLUMBIA

6 grants | \$1,999,500

American Indian Graduate Center 3701 San Mateo NE, #200 Albuquerque, NM 87110	\$300,000	New Staff - For Pacific Northwest mentoring program
JesusOnline Ministries PO Box 1643, Higley, AZ 85236	\$239,000	Establish Development Program - To expand internet reach



Museum of the Bible 400 4th Street SW, Washington, DC 20024	\$585,500	New Equipment - For imaging, data capture, and sharing of biblical and religious sacred texts
Pacific Crest Trail Association 1331 Garden Highway, Sacramento, CA 95833	\$366,000	New Staff - For technology enhancements
The Relevate Group, Inc. PO Box 922, Franklin, TN 37065	\$375,000	Program Support - To serve faith-based organizational leaders
Vancouver School of Theology Foundation 5571 Sandpiper Lane, Blaine, WA 98230	\$192,000	New Program - To serve church partners
