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OUR BENEFACtor

While still in the spring of his life, Jack Murdock displayed swelling buds of scientific curiosity and a philanthropic heart. These opened more fully later in life and continue to mature in our activities here at the Trust.

In his autobiography, written in 1934, when only 16 years old, Jack set several goals for himself. He wrote, “After leaving high school and establishing a business of my own, I intend to go further into the study of radio phenomena. I would like to learn all there is to know about radio if it is possible. I shall probably carry on many experiments in this field, and also, possibly some other branches of science... I have at present several ideas for inventions, which if put into use would be of great benefit to the people of the world.”

Jack did indeed establish a business, out of which was born the oscilloscope that gave Tektronix its start and eventual success. Through Tektronix, and with the help of those he gathered around himself, he introduced a high tech emphasis in our region that has grown remarkably, all based ultimately on solid scientific research. In this sense, the science buds in his youth burst into full bloom and produced a high yield of tech fruit still being harvested today.

His youthful statement of doing things to benefit others, the philanthropy buds, also came into bloom; yielding fruit before his death. He established his own foundation, the Millicent Foundation, which was his personal vehicle of giving in the region. Simply by opening a box of hand-written records on a shelf in our offices we see his heart for others — a wide variety of organizations he believed worthy of his support, and a guide to our philanthropy today.

As Jack’s youth was replaced by adulthood and his career interests took root, so did his interests in humankind expand beyond that of radios and science. This was evident in a speech he gave to the Portland Chamber of Commerce in 1966, thirty-two years after his autobiography was penned. There he reflected on the importance of work, play, the pursuit of knowledge, and the human need for creative expression. He believed that these activities, and certain others as well, lead to healthier, happier, and more productive people, more able to solve society’s problems and make significant contributions to our world.

So it is that both Jack’s wide-ranging interests and his practice of philanthropy live on today in the form of the charitable Trust established from his estate in 1975. Since then, thousands of grants worth hundreds of millions of dollars have been invested in the work, play, education, and creativity of people in the region. Surely he would have enjoyed seeing the harvest of his dreams.
FROM THE EXECUTIVE DIRECTOR

Early in the first quarter of 2002, the stock market, sailing for several years stridently northward under stiff breezes and full sails, oblivious of forecasts, hit an iceberg of unreality, floundered, and turned to a southward heading that lingers on in quiet waters into its fourth year. Consumer buying belts have been gradually but forcefully tightened, many businesses have cut back or closed, unemployment has climbed and, now freshly plagued by global hot spots and strife, the economy bobs along, not heading with confidence in any specific direction. The breezes have dissipated, the sails hang limp, the vessel is in the doldrums.

It is a challenging time for our work — awarding grants, giving to others — for while business is down for many, business is strong for us. When the economy sputters, the charitable heart of the nation is not as able to respond to the causes in which it believes, while at the same time needs are often greater rather than less. The nonprofit sector gets caught in the spiral and, struggling to survive or keep true to its course, may come to places like ours for help. While it is not our mission or practice to rescue the perishing, it is our challenge to identify and support those organizations and efforts that are sufficiently creative and sustainable to bring them through tough times while still keeping to their work of serving others. But, unfortunately, the resources we have to provide support have not been immune to the southward track of the market. Our assets are down, as is true for most in our business, and that means we have less to give just when there are more opportunities to do so.

At the national level, grantmaking by the nation's nearly 62,000 foundations decreased in 2002 for the first time since 1983. The journey south has begun to take its toll. But giving by foundations has declined at a rate less than the decline in their assets, reflecting a reluctance by some to lessen support for meaningful causes. Furthermore, foundations commonly average their assets over several years, producing a giving record that lags the movement of asset levels, in either direction. That does not bode well for the future, for that lag will likely evoke a continuing sag in giving.

Our grantmaking at Murdock peaked in the year of the swing 2000, at nearly $34.5 million, slipped about $1 million in 2001, and stepped down significantly in 2002 by another $6 million. This is neither to register a complaint nor to ring an alarm, but merely to state the facts. You will see less awarded in our list of grants for 2002 and can read more about this in our financial story at the end of this report.

This climate does put a strain on philanthropy, requiring us to work even harder to make sure every dollar awarded is put to work for the greatest good. We have faced this strain without radical changes that would bring harm to our wonderful charitable friends working diligently in the region. We have placed our primary focus on subject areas and organizations with which we have long-term relationships, wanting to keep our present course true to our past and our charitable environment healthy, and have labored to uncover the finest ideas and services those in the region have to offer. This seems to have worked for us and hopefully for our constituency as well.

Even though the economic news has not been positive for 2002, there is still a great deal of good news in our region. The charitable sector that depends so much upon individual and organized giving faces many of the same problems as the for-profit folks, but seemingly with less grumbling. One does not read or hear in the news about all those people who have simply worked more with less, scrambling harder to support their organizations and missions, fleshing out their callings with determination and hope. We are once again honored to lend a hand to these most deserving and creative friends, and we present them to you with admiration and applause in the pages that follow....

Neal O. Thorpe
Executive Director and Trustee
ARTS & CULTURE
14 Grants / $2,963,400

Endeavors in the performing and visual arts which enrich the cultural environment of the region. Educational outreach efforts are especially valued.

$200,000
Emerald Empire Art Association, Inc.
Springfield, Oregon
Community Arts Center Renovation
To serve families of the greater Springfield area

$75,000
Eugene Ballet
Eugene, Oregon
Portable Touring Theater System
To extend arts education and performance to small towns

$50,000
City of Great Falls
Great Falls, Montana
Theater Renovation
To improve stage lighting

$175,000
Idaho Shakespeare Festival, Inc.
Boise, Idaho
Lighting and Sound Systems
For outdoor amphitheater

$265,000
Maryhill Museum of Fine Arts
Goldendale, Washington
Facility Renovations
For national historic building and collection preservation

$750,000
Museum of Glass
 Tacoma, Washington
New Equipment
To serve regional and national interests in contemporary art

$150,000
Oreas Center
Eastsound, Washington
Community Arts Center Expansion
To enhance programs and services

$150,000
Oregon Ballet
Portland, Oregon
Technology and Audio Visual Infrastructure
For performance, outreach, and donor relations

$250,000
Perseverance Theatre
Douglas, Alaska
Theater Addition
To expand production and educational space

$94,700
Profile Theatre Project
Portland, Oregon
Establish Development Program
To support performance and educational programs

$200,000
Renaissance Arts Center, Inc.
Rapier, Idaho
Historic Building Renovation
To serve communities in south central Idaho

$250,000
Salem Theatre-Auditorium Group Enterprise, Inc.
Salem, Oregon
Capital Improvements
For ESLmore Theatre to enhance audience experience

$150,000
Tower Theater Foundation, Inc.
Bend, Oregon
Renovation of Theater
To serve as a performing arts facility for central Oregon

$3700
Vancouver Dance Theatre
Vancouver, Washington
Portable Dance Floor
For community-based performing arts
EDUCATION
47 Grants / $10,196,459

Projects and programs primarily educational in purpose offered in both formal and informal settings. Emphasis is placed on program enhancement or expansion and new approaches consistent with the institution’s mission and resources.

$80,000
Billings Preservation Society, Inc.
Billings, Montana
Mass Mansion Capital Improvements
To enhance visitor services

$150,000
Bonneville County Historical Society
Idaho Falls, Idaho
Fabrication of New Science Exhibits
For expanded education programs

$151,200
Boone and Crockett Club Foundation, Inc.
Missoula, Montana
Environmental Education Program Expansion
To serve students, teachers, and the community

$100,000
Calvary’s Northern Lights Mission Evangelistic Missionary Fellowship
North Pole, Alaska
Digital Radio Equipment
To improve broadcast quality of KJNP AM programs

$108,000
Concordia University
Portland, Oregon
Biology Laboratory Construction and Equipment
For hands-on education in the life sciences

$200,000
Cowlitz County Historical Society
Kelsy, Washington
Museum Expansion
To enhance educational programs and exhibitions

$215,000
Discovery Institute
Seattle, Washington
Research and Outreach Program Support
To address effects of technology on society

$300,000
EcoTrust
Portland, Oregon
Regional Forestry Initiative
To expand sustainable practices and markets in Northwest forests

$120,000
Evergreen Freedom Foundation
Olympia, Washington
Establish Health Care Research Project
To promote market-based solutions to health care economics

$300,000
Foundation for Research on Economics and the Environment
Bozeman, Montana
Economics and Environmental Seminars
To educate federal judges and environmental leaders

$35,000
Freedoms Foundation at Valley Forge
Valley Forge, Pennsylvania
Educational Workshops
To enable high school teachers to advance the ideals of American citizenship
EDUCATION
(Continued)

$128,250
Freedom's Foundation at Valley Forge
Valley Forge, Pennsylvania
Educational Workshops
To advance the ideals of American citizenship

$50,000
Friends of Tryon Creek Park
Portland, Oregon
Classroom Addition and Building Rehabilitation
To support science education programs for students and families

$400,000
George Fox University
Newberg, Oregon
Renovation of Wood-Mar Hall
For engineering program expansion

$70,000
Gilbert House Children's Museum, Inc.
Salem, Oregon
Exhibit Renovation
To enhance art, science, and humanities education

$225,000
Gonzaga University, Corporation of
Spokane, Washington
Laboratory Renovation and Instrument Acquisition
For support of instruction in manufacturing engineering

$125,000
Hands On Children's Museum
Olympia, Washington
Museum Expansion and Exhibit Construction
To enhance learning for young children in south Puget Sound

$300,000
Heritage Foundation
Washington, D.C.
Religion in Civil Society Initiative
To increase public understanding of religion in America

$46,500
Holy Name School
Ketchikan, Alaska
Furnish and Equip Computer Lab
To enhance technology education for K-8 students

$200,000
Holy Redeemer Area School
Portland, Oregon
Science Classroom Construction
To provide laboratory experiences for K-8 students

$260,000
Intercollegiate Studies Institute, Inc.
Wilmington, Delaware
Establish Distance Learning Program
To further students' understanding of economic, political, and spiritual values

$150,000
Jesuit High School
Portland, Oregon
Physics Classroom Renovation
To improve science education

$57,000
Kachemak Bay Broadcasting, Inc.
 Homer, Alaska
Production Equipment
To improve the quality of on-air programs for Kenai Peninsula communities
EDUCATION  
(Continued)

$62,500  
Kitsap County Historical Society  
Bremerton, Washington  
Storage Equipment Acquisition  
To improve conservation of artifacts

$125,000  
Leadership Institute  
Arlington, Virginia  
Technology Upgrade  
To support public policy training for young leaders

$50,000  
Marine Science Society of the Pacific Northwest  
Poulsbo, Washington  
Exhibit Renovation  
To enhance marine science education for students and the public

$137,000  
Montana State University Foundation  
Bozeman, Montana  
Video Equipment Acquisition  
For MFA degree program in science and natural history filmmaking

$375,000  
National Center for Policy Analysis  
Dallas, Texas  
Health Care Study  
To promote personal choice and free-market competition

$97,000  
National Park Foundation  
Washington, D.C.  
North Cascades Field Research  
To study eradication methodologies for Japanese knotweed

$200,000  
Northwest Baptist Seminary  
Tacoma, Washington  
Establish Doctor of Ministry Degree Program  
To provide further training in Christian service

$277,000  
Northwest Christian College  
Eugene, Oregon  
Campus-Wide Technology Upgrade  
To modernize communication

$250,000  
Olympic Park Institute, Yosemite National Institutes  
Port Angeles, Washington  
Education Building Construction  
To improve facilities and expand program season

$150,000  
Open Meadow Learning Center  
Portland, Oregon  
Facility Purchase and Renovation  
To expand program for at-risk youth of Portland

$350,000  
Oregon Episcopal School  
Portland, Oregon  
Math, Science, and Technology Building Construction  
To enhance education programs for high school students

$122,500  
Pacific Lutheran University, Inc.  
Tacoma, Washington  
Acquisition of CAD Equipment  
To assist in the education of engineering students
EDUCATION
(Continued)

$1,000,000
Pacific Lutheran University, Inc.
Tacoma, Washington
Center for Learning and Technology Construction
For improvement of education in computer science and computer engineering

$50,000
Sea Resources
Clamooky, Washington
Environmental Education Program Coordinator
To serve students and Southwest Washington communities

$250,000
Seattle University
Seattle, Washington
Renovation of Facility for School of Theology and Ministry
To enhance program for Christian service

$74,000
St. Martin's College
Lacey, Washington
Science Equipment Purchase
For improved teaching laboratories

$250,000
Stanwood Area Historical Society
Stanwood, Washington
Establish Cultural Center
For community events and education programs

$163,000
University of Portland
Portland, Oregon
Laboratory Equipment Acquisition
For upper level engineering education

$225,000
Walla Walla College
College Place, Washington
Engineering Laboratory Equipment Acquisition
For support of upper division student projects

$280,000
Warner Pacific College
Portland, Oregon
Expand Development Program
To strengthen Christian higher education

$327,500
Western Seminary
Portland, Oregon
Establish Strategic Initiative Program
To prepare leaders through a church-seminary partnership model

$1,000,000
Whitman College Board of Trustees
Walla Walla, Washington
Science Building Renovation and Expansion
To support teaching and research
HEALTH & HUMAN SERVICES

$89,000
Boy Scouts of America, Pacific Harbors Council
Tacoma, Washington
Camp Hahahais Improvements
Of water and waste systems

$300,000
Boys & Girls Club of Southwest Montana
Bozeman, Montana
Youth Center Construction
To enhance services to young people

$225,000
Boys & Girls Clubs of the Lewis Clark Valley, Inc.
Lewiston, Idaho
Youth Center Construction
To enhance and expand community services

$225,000
Boys & Girls Clubs of the Rogue Valley (formerly Boys' Club of
Grants Pass & Josephine County)
Grants Pass, Oregon
Renovate and Expand Youth Center
To enhance services to the community

$75,500
Camp Bighorn, Baptist General Conference
Plains, Montana
Purchase Used Vans
For wilderness program at Christian camp

$25,000
Camp Fire USA, Snohomish County Council
Everett, Washington
Construction of ToLaGa Building
To serve camp needs

$125,000
Cascade Land Conservancy
Seattle, Washington
New Staff and Program Expansion
To serve land stewardship and conservation needs of the central Puget
Sound region

A diversity of projects and programs designed to enhance the quality
of life in the region. Efforts to preventively meet the physical, spiritual,
social, and psychological needs of people, with an emphasis on youth.

$183,800
Agnes Foundation
Seattle, Washington
Expand Development Department
To enhance Christian mission agency

$143,000
Arctic Barnabas Ministries, Inc.
Kenai, Alaska
Acquisition of Aircraft
To expand Christian service to Alaskan villages

$250,000
Asante
Medford, Oregon
Diagnostic Imaging Equipment
For Three Rivers Community Hospital

$375,000
Assistance League of Boise, Idaho, Inc.
Boise, Idaho
Construction of Service Center
For school-age children

$500,000
Boy Scouts of America, Cascade Pacific Council
Portland, Oregon
Camp Meriwether Facilities Improvements
To upgrade septic systems

$25,000
Boy Scouts of America, Mt. Baker Council
Everett, Washington
Telephone System Acquisition
To improve office operations
HEALTH & HUMAN SERVICES
(Continued)

$100,000
Children's Cancer Association
Portland, Oregon
Construction of Family Retreat Cabin
For seriously ill children

$250,000
Chiloquin Visions in Progress
Chiloquin, Oregon
Construction of Three Rivers Center
To enhance community services within rural area

$119,500
Fellowship of Christian Athletes
Kansas City, Missouri
Expand Southwest Washington Programs
To increase outreach to adolescents

$100,000
Glacier Presbytery/Presbyterian Church (U.S.A.)
Bigfork, Montana
Lodge Construction
To expand camping and retreat programs

$75,000
Harney District Hospital
Burns, Oregon
Purchase New Emergency Vehicle
For rural medical and rescue service

$200,000
Housing Hope
Everett, Washington
Learning Center Construction
For low-income families

$15,000
Institute for Rehabilitation, Research & Recreation, Inc.
Pendleton, Oregon
Activities and Therapy-Building Construction
To provide camping experiences for children with hearing and speech disorders

$100,000
Kindering Center
Bellevue, Washington
Renovation of Neuro-Developmental Facility
To expand therapeutic intervention services to infants and toddlers

$350,000
Klamath Ice Sports Inc.
Klamath Falls, Oregon
Ice Skating Facility
For area winter sports opportunities

$250,000
Luis Palau Evangelistic Association
Portland, Oregon
Headquarters Expansion
To promote Christian evangelism

$40,000
Mt. Hood Kiwanis Camp, Inc.
Portland, Oregon
Laurel Lodge Restoration Project
For children and adults with disabilities

$118,700
Nature Conservancy of Alaska
Anchorage, Alaska
Program Expansion
To build capacity for conservation partnerships with native peoples

$82,000
The Navigators
Colorado Springs, Colorado
Expand Website
To enhance Internet-facilitated ministry to young adults

$190,500
New Horizons Ministries
Seattle, Washington
New Mentoring Program
For homeless street youth
HEALTH & HUMAN SERVICES
(Continued)

$250,000
Pacific Peaks Girl Scout Council, Inc.
Tumwater, Washington
*New Council Center*
For expanded program training and activities

$50,000
Partners International
Spokane, Washington
*Information Technology Upgrade*
To support Christian mission efforts in developing countries

$91,700
Portland Rescue Mission
Portland, Oregon
*Improve Transitional Facilities*
For men’s discipleship program

$54,000
Poverello Center, Inc.
Missoula, Montana
*Homeless Shelter Improvements*
For service to families

$50,000
Ronald McDonald House Charities of Idaho, Inc.
Boise, Idaho
*Expand Family Accommodations*
For sick children and their families

$350,000
Ronald McDonald House Charities of Western Washington
Seattle, Washington
*Facility Construction*
To expand housing for sick children and their families during medical treatment

$130,000
Royal Family Kids’ Camp Inc.
Santa Ana, California
*Establish Pacific Northwest Regional Office*
To expand camping program for foster children

$124,250
Run To Win Outreach
Edmonds, Washington
*Expand Sports Camping Program*
To present Christian message and values to middle school youth

$200,000
Salvation Army Northwest Division (Seattle, Washington)
Seattle, Washington
*Community Center Construction*
For white center programs for children and youth

$144,000
Search Ministries, Inc.
Ellicott City, Maryland
*Pacific Northwest Staff Expansion*
To expand Christian outreach to adults

$50,000
Send International of Alaska
Glenallen, Alaska
*Purchase Aircraft*
To provide supervision and support to Christian missionaries

$300,000
Sisters of the Holy Names of Jesus and Mary
Marylhurst, Oregon
*Historic Laundry Building Renovation*
For retreat center

$729,000
Southcentral Foundation
Anchorage, Alaska
*Family Wellness Warriors’ Initiative*
To provide professional and lay faith-based training to address domestic violence and abuse

$105,000
Sparrow Foundation
Bend, Oregon
*Staff Expansion*
For school-based clubs assisting children in medical crisis
HEALTH & HUMAN SERVICES

(Continued)

$33,000
St. Francis Shelter of St. Vincent De Paul Society, Inc.
Salem, Oregon
Transitional Housing Renovation
For children’s library and administration office

$41,000
St. Mary’s of Kodiak and the Islands
Kodiak, Alaska
Marian Center Renovation and Expansion
To broaden services to immigrants and refugees

$100,000
Syringe General Hospital Foundation, Incorporated
Grangeville, Idaho
Construction of Emergency Services Facility
For training and community education

$145,800
Ursuline Historical Foundation, Inc.
Great Falls, Montana
Retreat Center Renovation
To provide spiritual respite

$65,000
Whidbey General Hospital
Coupeville, Washington
Purchasing Cardiac Monitoring System
For emergency department

$42,000
Wings of Hope, Inc.
Chesterfield, Missouri
Aircraft Equipment Upgrade
For support of mission and humanitarian needs in rural Alaska

$70,000
Wycliffe Bible Translators, Inc.
Orlando, Florida
Capital Improvements
For Northwest regional office

$250,000
Yellowstone Boys and Girls Ranch, Inc.
Billings, Montana
Indoor Riding Arena
For equine-assisted psychotherapy

$55,000
Young Life
Colorado Springs, Colorado
Expand Mentoring Program
For adolescent mothers

$150,000
Young Men’s Christian Association of Ashland
Ashland, Oregon
Family Center Expansion
To enhance community programs

$200,000
Young Men’s Christian Association of Columbia-Willamette
Portland, Oregon
Construction at Camp Collins
To expand camping use

$175,000
Young Women’s Christian Association of Anchorage
Anchorage, Alaska
Service Center Renovation
For expanded business and health education for low-income women

$300,000
Young Women’s Christian Association of Seattle-King County-Snohomish County
Seattle, Washington
Opportunity Place Construction
For employment and learning center for women, men, and youth

$72,500
Youth Dynamics
Burlington, Washington
Upgrade Accounting System
To enhance administrative functions
GENERAL SCIENTIFIC RESEARCH at public universities, research institutes, and private colleges

13 Grants / $5,005,000

Residents of public universities or private colleges and leaders of independent research institutes in the Trust’s grantmaking region may submit institutional priority requests for scientific research that are chosen by internal screening mechanisms. The goal of this support is to provide research groups, often interdisciplinary in composition, an opportunity to expand or enhance their efforts or seek a new direction in research that may require sophisticated instrumentation or other aids not readily obtained from other sources of funding.

$573,000
Montana State University
Bozeman, Montana
Acquisition of Imaging Equipment
To support veterinary molecular biological research

$29,500
Montana State University
Bozeman, Montana
Biofilm Imaging Equipment Acquisition
To support research on bacterial communities

$397,000
Oregon Health Sciences Foundation
Portland, Oregon
Acquisition of Bioinformatics Equipment
For research into the genetics of human disease

$1,022,000
Pacific University
Forest Grove, Oregon
Science Research Initiation
To assist faculty/student research in the life sciences

$475,000
Portland State University Foundation
Portland, Oregon
Acquisition of Scanning Transmission Electron Microscope
For research in the materials sciences

$273,000
Providence Medical Foundation (Portland, Oregon)
Portland, Oregon
Immunological Research and Technical Support Equipment
For cancer studies

$300,000
Providence St. Vincent Medical Foundation
Portland, Oregon
Support of Cardiac Surgery Research
For development of robot-assisted techniques

$495,000
University of Oregon Foundation
Eugene, Oregon
Acquisition of Genomics and Proteomics Equipment
To support basic research in the life sciences

$478,000
University of Washington
Seattle, Washington
Scanning Electron Microscope Acquisition
For studies of nano-materials

$470,000
University of Washington
Seattle, Washington
Acquisition of X-ray Diffraction Equipment
For studies of human nervous system function

$495,000
Washington State University Foundation
Pullman, Washington
Mass Spectrometer Acquisition
For proteomics research in biology

$273,000
Washington State University Foundation
Pullman, Washington
Acquisition of an X-ray Computed Tomography System
For non-destructive testing of engineering materials

$264,000
Wildlife Conservation Society
Bronx, New York
Large Carnivore Research Project
To compile, analyze, and present field research data in a GIS platform
PARTNERS IN SCIENCE PROGRAM
29 Grants: $460,000

A program that supports collaborative scientific research by high school science teachers with researchers in the Pacific Northwest. The program also includes a regional and a national conference each year to provide teachers an opportunity to report their research experiences and results. Each partnership, covering a period of two summers, is provided up to $10,000 for stipend, travel, and supplies.

Boise State University
Boise, Idaho
Capital High School
Analysis of Genes Involved in the Prostate Cancer to Metastasis Conversion

Eastern Washington University
Cheney, Washington
Shadle Park High School
Role of Columbia Basin Vernal Pond Microbes on Invertebrate Ecology

Eastern Washington University
Cheney, Washington
Lake Stevens High School
A Phenological Test of Turbidity and Food Limitation Effects on the Lake Roosevelt Zooplankton

Evergreen State College
Olympia, Washington
Northwest Christian High School
Oxygen Sensing Microspheres

Lewis & Clark College
Portland, Oregon
North Eugene High School
Light Curve Measurements for Short-Period Eclipsing Binary Star Systems

Lewis & Clark College
Portland, Oregon
Corbett High School
Dynamics of Geckos Adhesion

Montana State University
Bozeman, MT
Butte High School
Measurement of Tropospheric and Stratospheric Ozone Concentrations in South-Central Montana

Montana State University
Bozeman, Montana
Montana Polytechnic Institute
Correlation Between Solar Prominences and Sigmoid

Montana State University
Bozeman, MT
Headwaters Academy
Characterization of algl from Helicobacter pylori

Mount St. Helens Institute
Vancouver, Washington
Orting High School
Origin and Behavior of the Electron Lahar at Mount Rainier; Washington

Northwest Nazarene University, Inc.
Nampa, Idaho
Cascade High School
Identifying Microbiological Sources and Relationships in Idaho Streams

Oregon Health and Science University Foundation
(OGI School of Science and Engineering OSU)
Portland, Oregon
Westview High School
Structure and Reactivity in Chemical Oxidation of Organic Contaminants

Oregon Health and Science University Foundation
(Oregon Health Sciences University)
Portland, Oregon
Beaverton High School
Angiopoietin Downregulates Placental Glucose Transport

Oregon Health Sciences University
(OREGON Regional Primate Research Center)
Portland, Oregon
Scappoose High School
Novel Proteases in the Primate Corpus Luteum
PARTNERS IN SCIENCE PROGRAM  
(Continued)

Oregon State University  
Corvallis, Oregon  
South Salem High School  
Mapping of Genetic Individuals in Populations of Kincaid's Lupine

Portland State University  
Portland, Oregon  
Camas High School (Washington)  
Role of Sarcoplasmic Reticulum in Skeletal Muscle Fatigue

Southern Oregon University  
Ashland, Oregon  
North Medford High School  
Characterization of New Ferroelectric Materials

Southern Oregon University  
Ashland, Oregon  
Grants Pass High School  
Effects of Nickel on Small Mammals of Serpentine Areas

University of Idaho  
Moscow, Idaho  
Lagus Secondary School  
Enhancing the Abilities of Plants to Sequester Carbon Dioxide: Microbes of the Sagebrush Rhizosphere

University of Idaho  
Moscow, Idaho  
Pattach High School  
Organometallic Photochemistry in Ionic Liquids

University of Montana  
Missoula, Montana  
Hellgate High School  
Multi-Component Metal Separations with Silica-Polyamine Composites

University of Montana  
Missoula, Montana  
Charlo High School  
Bioacoustical Research: Studies of Vocalizations in Birds and Bison

University of Washington  
Seattle, Washington  
Liberty High School  
Cosmic Ray Detector Development

University of Washington  
Seattle, Washington  
Issaquah High School  
Development of a System for Conditional, Tissue-Specific Suppression of Secretion in Drosophila

Washington State Department of Natural Resources  
Olympia, Washington  
Heritage High School  
Use of Dendrochronology for Dating and an Improved Understanding of the Bonneville Landslide, Columbia Gorge, Washington

Washington State University Foundation  
(Washington State University-Vancouver)  
Pullman, Washington  
Heritage High School  
Importance of Basket stars as Essential Fish Habitat on the Oregon Continental Shelf

Washington State University Foundation  
(Washington State University-Vancouver)  
Pullman, Washington  
Sunset High School (Oregon)  
Measurement of Carbon Dioxide in Polar Ice Cores

Western Washington University  
Bellingham, Washington  
Lynden High School  
Molecular Genetic Analysis of the Odd-Skipped Pair-Rule Gene in the Wasp Nasonia
PARTNERS IN SCIENCE PROGRAM – SUPPLEMENTAL

A supplemental program for high school teachers who have completed two summers of research in the Partners in Science Program. These awards of up to $6,000 are made directly to the teachers’ high schools for the purpose of implementing ideas from the research partnership in their classrooms. In order to receive the full $6,000 grant, the partner’s school district or community is required to match a portion of the supplemental award up to a maximum of $2,000.

$6,000
McKay High School
Salem, Oregon
Studies of Alternative Energy Technologies

$5,500
North Powder High School
North Powder, Oregon
Extraction and Analysis of Soil DNA

$6,000
North Salem High School
Salem, Oregon
Use of GIS Equipment in Field Data Collection and Analysis

$6,000
Renton High School
Renton, Washington
Molecular Identification of Diatoms in Puget Sound

$6,000
Royal High School
Royal City, Washington
Student Laboratory for Biomolecular Research

$6,000
St. Labre Indian Catholic High School
Ashland, Montana
Teaching Chemistry Through Water Quality Research

$6,000
Tualatin High School
Tualatin, Oregon
Research-Based Investigations Using Data Analysis Techniques

$6,000
Woodburn High School
Woodburn, Oregon
Use of Technology in Laboratory and Field Work

$4,000
Beaverton High School
Beaverton, Oregon
Use of PCR Techniques in Biotechnology Laboratory Investigations

$6,000
Billings West High School
Billings, Montana
Yellowstone River Monitoring Project and Immuncontraception in Ground Squirrels

$5,300
Boise High School
Boise, Idaho
Shedding Light on the Mysteries of Biotechnology Using Green Fluorescent Protein

$6,000
Glencoe High School
Hillsboro, Oregon
Developing Student Inquiry and Research Skills Through Technology

$6,000
Heritage High School
Vancouver, Washington
Use of PCR Techniques for Enzyme Synthesis and Characterization

$6,000
Lincoln High School
Portland, Oregon
Enhancement of Biotechnology Laboratory Activities and Research
**MURDOCK COLLEGE RESEARCH PROGRAM FOR LIFE SCIENCES**

**Grants / $164,000**

A program designed to support research in the life sciences at private, predominantly undergraduate colleges and universities in the Pacific Northwest. Eligible institutions must offer the baccalaureate degree but no doctoral degree in the sciences. Principal investigators must hold a faculty appointment in a department of biology or one identified by a traditional subfield of biology. Grants are normally awarded for a two-year period and may be renewed for a second period if favorably reviewed. There is one proposal cycle per year with a deadline of October 1 for submitting completed proposals.

$36,000
Lewis & Clark College
Portland, Oregon
Investigating the Regulation of the Notch Receptor, LIN-12, and the Delta Ligand, APX-1, During Left-Right Asymmetry in C. Elegans
Organogenesis

$26,000
Reed Institute DBA Reed College
Portland, Oregon
Telomere Length Regulation in Xenopus

$36,000
Reed Institute DBA Reed College
Portland, Oregon
Virus-Host Interactions: Stop Codon Readthough of Barley Yellow Dwarf Virus ORF$_3$-ORF$_5$ in Yeast and the Identification of Yeast Genes Involved

$38,000
University of Portland
Portland, Oregon
In Vivo Contractile Properties of Wing Muscles in Birds

$28,000
Willamette University
Salem, Oregon
Signal Transduction During Early Development of the Amphibian, Xenopus laevis

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**EXCEPTIONAL OPPORTUNITY GRANTS PROGRAM**

**1 Grant / $50,000**

A program offered to regional graduate research universities. The Vice President for Research, or the equivalent, at each of the universities with which arrangements have been made, may authorize an investigator or team of researchers to submit a proposal for a project that has special merit because of time constraints, perishability if not funded quickly, no other source of funding, or some other unusual circumstance. The maximum awarded is $50,000.

$50,000
University of Washington
Seattle, Washington
Planning for a National Underground and Engineering Laboratory at Homestake Mine

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**TRUST MATCHING GIFTS**

**1 Grant Equivalent / $87,059**

Promotes and encourages charitable giving. The Trust matches gifts made to eligible organizations by Trust employees and Trustees.

| $2,963,400 | Total Grants / Arts and Culture (14) |
| $10,196,430 | Total Grants / Education (47) |
| $8,452,150 | Total Grants / Health and Human Services (53) |
| $5,709,800 | Total Grants / Scientific Research (62) |
| $86,059 | Trust Matching Gifts (1 Grant Equivalent) |

$27,384,859 Grand Total (179 grants)
MURDOCK COLLEGE RESEARCH PROGRAM FOR LIFE SCIENCES
5 Grants / $64,000
A program designed to support research in the life sciences at private, predominantly undergraduate colleges and universities in the Pacific Northwest. Eligible institutions must offer the baccalaureate degree but no doctoral degree in the sciences. Principal investigators must hold a faculty appointment in a department of biology or one identified by a traditional subfield of biology. Grants are normally awarded for a two-year period and may be renewed for a second period if favorably reviewed. There is one proposal cycle per year with a deadline of October 1 for submitting completed proposals.

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A program offered to regional graduate research universities. The Vice President for Research, or the equivalent, at each of the universities with which arrangements have been made, may authorize an investigator or team of researchers to submit a proposal for a project that has special merit because of time constraints, perishability if not funded quickly, no other source of funding, or some other unusual circumstance. The maximum awarded is $50,000.

$50,000
University of Washington
Seattle, Washington
Planning for a National Underground and Engineering Laboratory at Homestake Mine

TRUST MATCHING GIFTS
1 Grant Equivalent / $67,059
Promotes and encourages charitable giving. The Trust matches gifts made to eligible organizations by Trust employees and Trustees.

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<thead>
<tr>
<th>Grant Equivalent</th>
<th>Amount</th>
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<tr>
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<td>Total Grants / Education (37)</td>
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FROM THE CHIEF INVESTMENT AND FINANCIAL OFFICER
PROTECTING AND GROWING THE LEGACY

When Jack Murdock died in 1971, he left his estate in the good hands of three trusted friends and business associates who were charged with administering and distributing it through a charitable trust. James B. Castles met Murdock while both were in the U.S. Coast Guard and later became his general counsel, helping to charter Tektronix. Paul L. Boley, an attorney, and Walter P. Dyke, a scientist, were both members of the Tektronix Board of Directors. These three made up the board of The Millicent Foundation, which served as the vehicle for Jack's personal philanthropy.

The process of settling the estate took four years. Besides his stakes in Tektronix, Murdock owned a Piper aircraft distributorship called Melridge Aviation as well as Oregon Bulb Farms and real estate in downtown Portland.

The estate's assets had grown from $81.4 million to $96.6 million by the time the M.J. Murdock Charitable Trust was funded on June 30, 1975. One week later the Trustees announced the appointment of Sam C. Smith as the Trust's first executive director. Sam was assisted by Hubert F. Leonard and Bonnie J. O'Donnell. They began their work in Murdock's office at the airport where his distributorship was based.

On December 5, 1975, the Trustees and staff held the Trust's first grants meeting during which 14 grants totaling more than $4.2 million were awarded. In the early grantmaking history of the Trust, it is not difficult to see Jack's influence. He had stipulated in his will that his estate be used for religious, charitable, scientific or education purposes. From the outset, however, the Trust's activities have leaned toward the latter two causes, reflecting Murdock's belief that science was a main source of knowledge.

Jack's influence also may have helped shape the Trust's financial performance in its early years, albeit in less tangible ways. Understandably protective of their friend and colleague's estate and mindful of their responsibility to maximize the Trust's grantmaking capabilities, the Trustees followed an investment strategy that was typically conservative for foundations of that vintage. In the early years, the Trust's assets were divided equally between fixed-income and equity investments. The assets were growing (see bar graph), but relatively modestly when adjusted for inflation. Given this strategy, growth of the Trust's real-value assets, or 1975 starting dollars, was not a primary objective.

The event that foreshadowed a shift in asset allocation philosophy occurred in 1980, when the Trustees made their first investment in venture capital.

By 1985, the Trust's investments were for the first time weighted slightly in favor of equities, but 40 percent of its assets were still in conservative fixed-income investments. Then, in 1990, the Trustees commissioned a study to determine how best to allocate the Trust's assets to achieve the highest return with the least amount of risk.

For foundations in those days, commonly built on fiscal conservatism, the asset allocation decisions that emerged from the study required a radical change in philosophy. But the Trustees, Dyke, Castles and Lynwood W. Swanson, who succeeded Paul Boley upon his death in 1986, were convinced their grantmaking efforts would be better served in the long run by pursuing a bold new strategy.

The key element of the strategy was a significant increase in the Trust's stake in so-called alternative investments, such as venture capital, internet, telecom and cable companies and distressed securities and a decrease to only 17 percent of the Trust's assets in fixed-income investments. Says Jim Martin, the Trust's chief investment and financial officer, "We were probably the only foundation in the country with less than 20 percent of our assets in fixed income. Now it's commonplace."

In recent years, now a second generation Board with the two remaining original Trustees, Dyke and Castles, succeeded by Neal O. Thorpe and John W. Castles, respectively, an investment policy was adopted with a two-fold objective. The primary objective is to achieve the total return necessary to maintain "real value" of assets with limited risk over a long period of time so that the Trust can function in perpetuity without diminished capacity. A secondary objective is to grow the real value of assets over time.

Simply stated, the goals are to protect and grow the legacy so that the work of the Trust in grantmaking can be protected and grown as well. Depending upon economic conditions nationally, and indeed
globally, both of these can be a challenge. Nevertheless, over the last ten
years assets have grown from $262 million to $462 million during which
period $240 million was paid out in grants and associated expenses. The
"real value" of the endowment, considering inflation, increased by over
37% during these ten years. Much of the credit for this success must go to
the outstanding investment managers the Trust uses and the courage the
Trustees had in adopting a bold new asset allocation strategy in 1990.

To Murdock Trustees and staff, that growth is significant primarily
because of how profoundly it increases opportunities for charitable
giving, the reason for our existence. There is certainly no dearth of
worthy charitable causes that will be discovered in years to come. The
Trust intends to be there to respond with a legacy that is protected... and
growing... so that our grantees may continue to offer their im-
portant services to the people in our great Pacific Northwest.

It appears that Jack Murdock's legacy is still in good hands.

James R. Martin
Chief Investment and
Financial Officer

GLOBAL EQUITIES Brandes Investment Partners, LP; Capital Guardian
Trust Company; Chartwell Investment Partners; Credit Suisse Asset
Management, LLC; Marvin & Palmer Associates, Inc.; Nicholas-
Applegate Capital Management; Pinnacle Associates, Ltd.; Primecap
Management Company; Trust Company Of The West; W.P. Stewart
& Co., Ltd.

ALTERNATIVE ASSETS Abbott Capital Management, LLC; ABRY
Partners, LLC; AXA Investment Managers Capital International, Inc.;
Collier Investment Management, Limited; Endeavor Capital; First
Reserve Corporation; Knightsbridge Advisers, Inc.; Medical Innovation
Partners; Oaktree Capital Management, LLC; Pacific Alternative Asset
Management; Resource Capital Funds; Sequoia Capital; Spur Capital
Partners; Technology Partners; Trust Company Of The West;
Waterford Partners, L.L.C.; Zevenbergen Capital, Inc.

CAPITAL PRESERVATION Common Sense Investment Management,
LLC; Hoisington Investment Management Company; Metropolitan
West Asset Management, LLC; Oaktree Capital Management, LLC

REAL ESTATE Lend Lease Real Estate Investments; SSR Realty
Advisors, Inc.

INVESTMENT MANAGERS BY ASSET CLASS

STRATEGIC ASSET ALLOCATION
GENERAL PURPOSE GRANT APPLICATION GUIDELINES

These guidelines apply to all requests other than scientific research or formal Trust programs. To make an application to the Trust for financial support, the following FOUR steps should be taken in the following order:

1. Determine your organization's eligibility to apply for Trust support.
2. Determine the match of your project or program with Trust interests and limitations.
4. Submit a completed formal application.

This document will lead you through Step 3. Step 4 can only be taken if the project you propose in Step 3 is determined by the Trust to be eligible for a formal application.

STEP I: IS YOUR ORGANIZATION ELIGIBLE TO APPLY FOR A GRANT?

Applications for grants are considered from organizations which have been ruled to be tax-exempt under Section 501(c)(3) of the Internal Revenue Code and which are not private foundations as defined in Section 509(a) of the Code. Charitable organizations applying for support must have in hand such IRS documentation of status. If tax exempt as a government entity, the Trust will provide a generic letter to use in certifying such status. This will be made available for those reaching Step 4.

Priority is given to applications for the support of projects and programs conducted by qualified organizations within five states of the Pacific Northwest: Alaska, Idaho, Montana, Oregon, and Washington. Of major interest are organizations and projects which are not primarily or normally financed by tax funds.

STEP II: IS THE PROJECT FOR WHICH YOU SEEK SUPPORT WITHIN TRUST INTERESTS?

While the Trust supports a wide variety of projects and programs in the region, there are limitations in Trust interest. Some brief guidelines follow to assist you in determining if your project is clearly out of question or perhaps only of marginal interest.

The Following Kinds of Applications ARE NOT Considered:

1. For the benefit of specific individuals.
2. By individuals acting on behalf of, but without the authority of, qualified tax-exempt organizations.
3. For grants to conduit organizations; i.e., to tax-exempt organizations for passing funds on to organizations not tax-exempt in their own right.
4. For propagandizing or for influencing legislation and elections.
5. By institutions which in policy or practice unfairly discriminate against race, ethnic origin, sex, creed, or religion.
6. By sectarian or religious organizations whose principal activity is for the benefit of their own members or adherents.
7. For loans, debt retirement, or operational deficits.
8. For grants to organizations which are organized and operated outside any state or territory of the United States.
GENERAL PURPOSE GRANT APPLICATION GUIDELINES

(Continued)

The Following Kinds of Applications USUALLY ARE NOT Considered:
1. For normal ongoing operations or their extension.
2. For contributions to general fund drives or annual charitable appeals.
3. For continuation of programs previously financed from other external sources.
4. For emergency funding, such as in filling gaps between grants or for crash programs.
5. For granting of funds to an organization for distribution to ultimate beneficiaries of its own choosing.
6. For endowment.

A recommended way to test the fit of your project with Trust interests is to review lists of recently awarded grants. These may be found on our website (murdock-trust.org) or in our annual reports.

STEP III: SUBMIT A LETTER OF INQUIRY

If your organization and project appear to pass these first two steps, the only way to find out for sure whether your anticipated request is appropriate is to submit a Letter of Inquiry to the Trust. This letter should carefully address all items outlined below.

In order to avoid unnecessary work, both for a potential applicant and for the Trust, it is important to determine as early as possible the degree to which a proposed project coincides with areas of Trust interest. To determine this, it is essential to submit a Letter of Inquiry before submitting a formal application to the Trust. This letter, no longer than two pages, should minimally address the following:

What To Address
1. A brief background on your organization, including an abbreviated mission statement, a history of its existence, the size of staff and board, the constituency and geographic region served, and the type of service provided.
2. A description of the project for which support is being requested. Include a discussion of how the decision was reached to mount the project, the factors that contribute to the need or opportunity for the project, the importance of the project for your organization and your constituency, and the level and nature of commitment of staff and board to the project.
3. A proposed budget for the total cost of the project and for the amount you intend to request from the Trust. If possible, identify the budget items for which you would be requesting Trust support. Indicate potential or real sources of support for the project in addition to the Trust.
4. A discussion as to why you are approaching the Trust for the project. Indicate any past history with the Trust or any contacts you have made with Trust staff or others leading to your decision to approach the Trust. Add anything else you believe would help the Trust understand your situation and request.

The Trust will provide a written response to your Letter of Inquiry indicating if Step 4 is appropriate for you. If so, you will receive a formal application packet with further instructions on how to proceed. After completing Step 4 and submitting a completed formal application, the Trust requires an additional 6-9 months to process, evaluate, and make a decision on your request.
GENERAL PURPOSE GRANT APPLICATION GUIDELINES
(Continued)

Timing Considerations
A Letter of Inquiry may be submitted to the Trust at any time. Once the Trust has it in hand, it will be reviewed and you can expect a response within about three weeks. The response is likely to be one of three types:
1. What you propose is eligible for formal consideration by the Trust.
2. What you propose is eligible, but some advice is provided to help in the development of a formal request.
3. What you propose is not eligible for formal consideration by the Trust.

A positive response will include an application packet with additional instructions to follow in submitting a formal request to the Trust.

STEP IV: SUBMIT A COMPLETED FORMAL APPLICATION

You will also be given the option to download the application form from our website, with a provided password, and complete the proposal on electronic application forms. Following directions, hard copies of the completed application form should be submitted to the Trust.

There are no specific deadlines for receipt of formal applications for general purposes. Applications may be submitted at any time when sufficient information is available for the applicant to thoughtfully address the questions outlined in the application form. In general, a proposal should be submitted early enough to allow staff sufficient time to thoroughly study the proposal and, if appropriate, conduct a site visit to meet with the principals of the project.

The thorough nature of the review process and considerations of fairness to all applicants precludes responding to crisis situations.

The Review Process
Letters of inquiry are reviewed to determine if a proposed project sufficiently fits Trust interests and guidelines to warrant submission of a full proposal. A positive response to the Letter of Inquiry will include an application packet with directions for its completion. Completed formal application forms are reviewed initially to determine whether all required materials have been submitted. Each proposal is assigned to a Program Director who will take the lead in preparing the request for submission to the Board of Trustees for action. The Program Director may request additional information, an interview with the applicant, or a visit to the applicant's organization. The full proposal, including staff summary and analysis, is made available to the Trustees for their consideration and decision.

The applicant is notified promptly when a decision has been reached. While some level of merit is evident in nearly every proposal received by the Trust, only a fraction of the requests reviewed can result in awards. When an application has been declined, it will not be carried over for future consideration. Under normal circumstances, resubmission of a proposal that was declined is not encouraged.

Each proposal becomes the property of the Trust and will not be returned. It will be treated as a privileged communication with the understanding, however, that it may be peer reviewed.

All letters of inquiry and completed formal applications should be mailed in hard copy to:
John Van Zyveld, Ph.D.
Senior Program Director
M.J. Murdock Charitable Trust
P.O. Box 1618
Vancouver, WA 98668

For More Help
If your questions have not been answered by this document or you need some additional information, please call us at 360-694-8415.
COVER: "Shadow Catcher" graces our front cover with the essence of landscape and people of Washington state. Seattle artist Preston Singletary drew on his Tlingit heritage for the etched design motif on the distinctive hat shape. But the magic begins when the hat is inverted under light and becomes a vase whose freeform design elements cast a pattern of shadows at once ephemeral and evocative of the coves, channels, and inlets of the watery world of the Northwest coast. "I think of it as kinetic sculpture," says Singletary. "Its blue cast is a reminder of the sea and sky, an important part of the Northwest ethos, and the shadows open up yet a fourth dimension—the spirit of our ancestors within the piece that will change with the light and seasons."

CONTENTS PAGE: Detail of vases by Lino Tagliapietra

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