



#### **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 certainly 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 2000, 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

Theat O. Thorse

#### **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

s50,000

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

s265,000

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

**s94,700** 

Profile Theatre Project

Portland, Oregon

Establish Development Program

To support performance and educational programs

\$200,000

Renaissance Arts Center, Inc.

Rupert, Idaho

Historic Building Renovation

To serve communities in south central Idaho

\$250,000

Salem Theatre-Auditorium Group Enterprise, Inc.

Salem, Oregon

Capital Improvements

For Elsinore Theatre to enhance audience experience

**s**350,000

Tower Theater Foundation, Inc.

Bend, Oregon

Renovation of Theater

To serve as a performing arts facility for central Oregon

**\$3,700** 

Vancouver Dance Theatre

Vancouver, Washington

Portable Dance Floor

For community-based performing arts

47 Grants / \$10,196,450

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

Moss 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 KJNPAM programs

\$350,000

Catlin Gabel School

Portland, Oregon

Library Wireless Network and Multimedia Auditorium

To enhance use of technology

8250,000

Central Catholic High School

Portland, Oregon

Science Facility Renovation and New Construction

To improve science education

\$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

Kelso, 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

8300,000

**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

835,000

Freedoms Foundation at Valley Forge

Valley Forge, Pennsylvania

Educational Workshops

To enable high school teachers to advance the ideals of American citizenship

(Continued)

\$128,250

Freedoms 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 Renovation

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

s225,000

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

(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

\$60,000

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

s97,000

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

(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

850,000

Sea Resources

Chinook, 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

s163,000

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

55 Grants / \$8,452,150

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.

s185,800

Agros 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

\$75,000

Assistance League of Boise, Idaho, Inc.

Boise, Idaho

Construction of Service Center

For school-age children

\$400,000

Boy Scouts of America, Cascade Pacific Council

Portland, Oregon

Camp Meriwether Facilities Improvements

To upgrade septic systems

\$25,400

Boy Scouts of America, Mt. Baker Council

Everett, Washington

Telephone System Acquisition

To improve office operations

\$89,000

Boy Scouts of America, Pacific Harbors Council

Tacoma, Washington

Camp Hahobas 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

8225,000

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

873,500

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

(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, Öregon

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

(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

\$44,000

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

 ${\it Establish Pacific Northwest Regional Office}$ 

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

Glennallen, Alaska

Purchase Aircraft

To provide supervision and support to Christian missionaries

\$200,000

Sisters of the Holy Names of Jesus and Mary

Marylhurst, Oregon

Historic Laundry Building Renovation

For retreat center

\$729,500

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

Redmond, Oregon

Staff Expansion

For school-based clubs assisting children in medical crisis

(Continued)

s35,000

St. Francis Shelter of St. Vincent De Paul Society, Inc.

Salem, Oregon

Transitional Housing Renovation

For children's library and administration office

\$141,000

St. Mary's of Kodiak and the Islands

Kodiak, Alaska

Marian Center Renovation and Expansion

To broaden services to immigrants and refugees

\$100,000

Syringa General Hospital Foundation, Incorporated

Grangeville, Idaho

Construction of Emergency Services Facility

For training and community education

s145,800

Ursuline Historical Foundation, Inc.

Great Falls, Montana

Retreat Center Renovation

To provide spiritual respite

s65,000

Whidbey General Hospital

Coupeville, Washington

Purchase Cardiac Monitoring System

For emergency department

842,000

Wings of Hope, Inc.

Chesterfield Missouri

Aircraft Equipment Upgrade

For support of mission and humanitarian needs in rural Alaska

870,000

Wycliffe Bible Translators, Inc.

Orlando, Florida

Capital Improvements

For Northwest regional office

s250,000

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 camp 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

8300,000

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

Presidents 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.

\$353,000

Montana State University

Bozeman, Montana

Acquisition of Imaging Equipment

To support veterinary molecular biological research

\$629,500

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

\$102,000

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

s478,000

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

8495,000

Washington State University Foundation

Pullman, Washington

Mass Spectrometer Acquisition

For proteomics research in biology

\$273,500

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/\$406,000

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 \$14,000 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 Gecko Adhesion

Montana State University

Bozeman, MT

Butte Public 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 Sigmoids

Montana State University

Bozeman, MT

Headwaters Academy

Characterization of algI 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 OHSU)

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

Angiotensin 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

Portland State University

Portland, Oregon

Southridge High School

Mechanistic Studies of tRNA Modification in Archaea

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

Logos Secondary School

Enhancing the Abilities of Plants to Sequester Carbon Dioxide: Microbes of the Sagebrush Rhizosphere

University of Idaho

Moscow, Idaho

Potlatch 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 <u>Drosophila</u>

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 Basketstars 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 <u>Nasonia</u>

### PARTNERS IN SCIENCE PROGRAM — SUPPLEMENTAL

14 Grants / \$80,800

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.

84,000

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 Immunocontraception 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

\$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

s6,000

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

s6,000

Woodburn High School

Woodburn, Oregon

Use of Technology in Laboratory and Field Work

## MURDOCK COLLEGE RESEARCH PROGRAM FOR LIFE SCIENCES

5 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 Readthrough of Barley Yellow Dwarf Virus ORF3-ORF5 in Yeast and the Identification of Yeast Genes Involved

\$38,000

## University of Portland

Portland, Öregon

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

# 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

Scattle, Washington

Planning for a National Underground and Engineering Laboratory at Homestake Mine

## TRUST MATCHING GIFTS

I Grant Equivalent / \$67,059

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)
\$10,196,450	Total Grants/Education (47)
\$8,452,150	Total Grants/Health and Human Services (55)
\$5,705,800	Total Grants / Scientific Research (62)
\$67,059	Trust Matching Gifts (1 Grant Equivalent)
\$27,384,859	Grand Total (179 grants)

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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 \$91.6 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 onset, 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 fixincome 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.

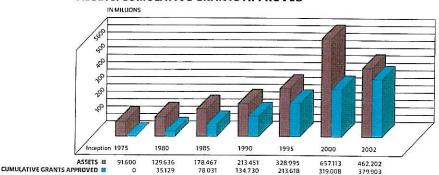
Simply stated, the goals are to protect and grow the legacy so that the work of the Trust in grantmaking can be protected and grown as well. Depending upon economic conditions nationally, and indeed globally, both of these can be a challenge. Nevertheless, over the last ten years assets have grown from \$264 million to \$462 million during which period \$210 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 important services to the people in our great Pacific Northwest.

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

James R. Martin James R. Martin Chief Investment and Financial Officer

#### ASSETS/CUMULATIVE GRANTS APPROVED



#### INVESTMENT MANAGERS BY ASSET CLASS

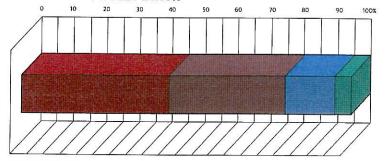
GLOBAL EQUITIES Brandes Investment Partners, LP; Capital Guardian Trust Company; Chartwell Investment Partners; Credit Suisse Asset Management, LLC; Marvin & Palmer Associates, Inc.; Nicholas-Applegate Capital Management; Pinnacle Associates, Ltd.; Primecap Management Company; Trust Company Of The West;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

Partners, LLC; AXA Investment Managers; Capital International, Inc.; Coller 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, LLC; 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.

#### STRATEGIC ASSET ALLOCATION



- GLOBAL EQUITIES Large Cap: Small-Mid Cap: Domestic & Global Mandates: Diversified Style Disciplines (45%)
- ALTERNATIVE ASSETS Venture Capital: Buyouts: Special Situations: Distressed Securities: Emerging Markets: Oil & Gas: Mining: Hedge Funds: Special Equity Portfolios (35%)
- CAPITAL PRESERVATION Alternative Cash Strategy: Long US Treasuries: Hedge Fund; High Yield: Mezzanine (15%)
- REALESTATE Value-added (5%)

## **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.
- 3. Submit a Letter of Inquiry.
- 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.
- 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.
- 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.
- 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 web site (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.

 $\Lambda$  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 web site, 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.

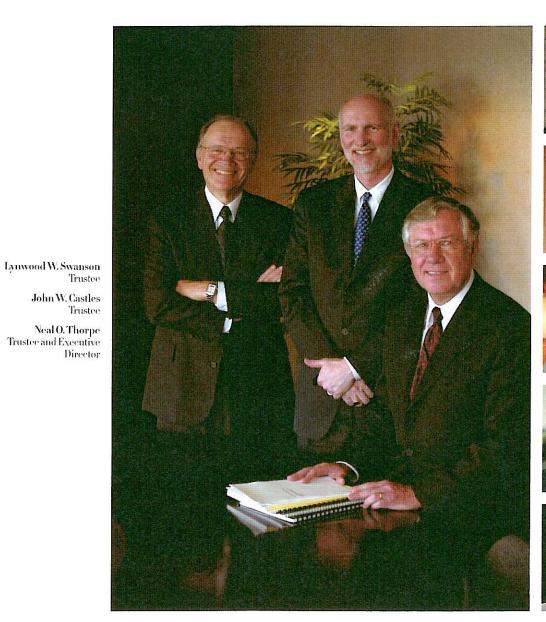
All letters of inquiry and completed formal applications should be mailed in hard copy to:

John Van Zytveld, 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.

#### STAFF TRUSTEES











Terry L. Stokesbary Program Director

Janice W. Kennedy Program Director







Bart A. Hadder Program Director

James R. Martin Chief Investment and Financial Officer







Julie D. Cieloha Controller and Financial Analyst

Jennifer Larson Accounting Manager

Marian E. Haro Administrative Assistant

Colleen D. Allbee





Grants Manager and Computer Specialist

Marybeth Stewart Goon Program Assistant

Sheila J. Flannigan Secretary and Events Coordinator





Kathy J. Kidwell Grants Program Secretary

Mary Hill Grants Program and Financial Assistant

Kathy L. Freitas Beceptionist



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 motifs 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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