

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| ACTIVATION ENERGY, INC. 314 SURREY STREET SAN FRANCISCO, CA 94131 | N/A PC | TO PROVIDE SUPPORT FOR SCIENCE INNOVATORS, INCLUDING THE MOORE INVENTOR FELLOWS, AND TO TEST INNOVATION CURRICULA. | 250,237. |
| ADVISORY CENTER FOR HEALTH PROFESSIONALS, INC. 27 PINE SUMMIT CIRCLE WESTON, MA 02493 | N/A PC | TO SUPPORT A STUDY OF THE EFFECTIVENESS OF MENTORS IN PROVIDING MEDICAL RESIDENTS WITH TIMELY ADVICE ABOUT THE PERSONAL AND PROFESSIONAL CHALLENGES, USING CONFIDENTIAL SERVICES THROUGH AN INTERNET BASED PROGRAM. | 130,000. |
| AGENCIA ESTATAL DEL CONSEJO SUPERIOR DE INVESTIGAC CMIMA-PSSG. DE LA BARCELONETA 37-49 BARCELONA SPAIN | N/A GOV | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS. | 221,481. |
| ALEUT INTERNATIONAL ASSOCIATION, INC. 333 W 4TH AVENUE, SUITE 301 ANCHORAGE, AK 99501 | N/A PC | TO CONSERVE THE HIGHLY PRODUCTIVE OCEAN WATERS ADJOINING ST. GEORGE ISLAND IN THE BERING SEA AND PROTECT THE COMMUNITY'S ACCESS TO THE NATURAL RESOURCES IN THEM. | 19,500. |
| AMAZON CONSERVATION ASSOCIATION 1012 14TH STREET NW, SUITE 625 WASHINGTON, DC 20005 | N/A PC | TO CONSOLIDATE MANAGEMENT OF THREE PROTECTED AREAS IN THE MADIDI-TAMBOPATA MOSAIC OF PERU AND BOLIVIA, AND ENCOURAGE GREATER INTEGRATION OF THE AREAS INTO REGIONAL DEVELOPMENT PLANNING AS PART OF A STRATEGY TO ADDRESS EXTERNAL THREATS. | 500,000. |
| AMAZON CONSERVATION TEAM 4211 N FAIRFAX DRIVE ARLINGTON, VA 22203 | N/A PC | TO INCREASE THE CONSOLIDATION CONDITIONS OF THE INDIGENOUS TERRITORIES IN THE CHIRIBIQUETE-CAQUETA MOSAIC BY STRENGTHENING LOCAL GOVERNMENTS AND INDIGENOUS ORGANIZATIONS TO FULLY IMPLEMENT TERRITORIAL MANAGEMENT PLANS AND SECURE ADDITIONAL FUNDING SOURCES. | 200,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

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|---|---|--|---------------|
| AMERICAN ACADEMY OF ARTS AND SCIENCES 136 IRVING STREET CAMBRIDGE, MA 02138 | N/A PC | TO PROVIDE SUPPORT FOR A PROJECT ADVANCING INTERNATIONAL COLLABORATIVE RESEARCH. | 447,500. |
| AMERICAN ASSOC BEN-GURION UNIVERSITY OF THE NEGEV 1001 AVENUE OF THE AMERICAS, 19TH FLOOR NEW YORK CITY, NY 10018 | N/A PC | TO PROVIDE SUPPORT FOR FIVE FELLOWSHIPS IN THE ADVANCED TRAINING PROGRAM IN DESERT STUDIES. | 200,000. |
| AMERICAN ASSOC FOR THE ADVANCEMENT OF SCIENCE 1200 NEW YORK AVENUE NW WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF PLACING PHD-LEVEL SCIENCE AND TECHNOLOGY POLICY FELLOWS IN THE WHITE HOUSE OFFICE OF SCIENCE AND TECHNOLOGY POLICY AND OFFICES RELATED TO THE JUSTICE FUNCTIONS OF THE U.S. GOVERNMENT TO IMPROVE U.S. POLICYMAKING BY BRINGING MORE SCIENCE TO THE DECISION-MAKING PROCESS. | 312,000. |
| AMERICAN ASSOC FOR THE ADVANCEMENT OF SCIENCE 1200 NEW YORK AVENUE NW WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF THE USE OF SCIENTIFICALLY SOUND EVIDENCE FOR PUBLIC ISSUES AND DECISION MAKING. | 400,000. |
| AMERICAN BOARD OF MEDICAL SPECIALTIES RESEARCH AND 353 NORTH CLARK STREET, SUITE 1400 CHICAGO, IL 60654 | N/A SO I | TO SUPPORT EARLY-CAREER VISITING SCHOLARS CONDUCTING RESEARCH ON IMPROVING CLINICIAN DIAGNOSTIC PERFORMANCE AT THE AMERICAN BOARD OF MEDICAL SPECIALTIES. | 25,000. |
| AMERICAN LITTORAL SOCIETY 18 HARSHORNE DRIVE, SUITE 1 HIGHLANDS, NJ 07732 | N/A PC | TO SUPPORT OCEAN ACTION PLAN IMPLEMENTATION. | 359,387. |

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|---|---|---|---------------|
| AMERICAN PHYSICAL SOCIETY 1 PHYSICS ELLIPSE COLLEGE PARK, MD 20740-3844 | N/A PC | TO ENABLE TRAVEL GRANTS, MEETINGS, AND LECTURES WHICH AIM TO DEVELOP NEW APPROACHES FOR ADVANCING FUNDAMENTAL PHYSICS. | 339,275. |
| ANNUAL REVIEWS, INC. 4139 EL CAMINO WAY PALO ALTO, CA 94306 | N/A PC | IN SUPPORT OF ANNUAL REVIEWS AND THE DEVELOPMENT OF RESEARCH LOUNGE, A DIGITAL MAGAZINE THAT WILL COMMUNICATE SCIENTIFIC KNOWLEDGE IN A NEW AND MORE ACCESSIBLE WAY. | 800,000. |
| ARIZONA STATE UNIVERSITY FOUNDATION FOR A NEW AME PO BOX 2260 TEMPE, AZ 85280-2260 | N/A PC | IN SUPPORT OF THE COLLABORATIVE PROJECT FOLLOW THE LEADER: FORECASTING COLLECTIVE CANCER DYNAMICS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| ARIZONA STATE UNIVERSITY FOUNDATION FOR A NEW AMER PO BOX 2260 TEMPE, AZ 85280-2260 | N/A PC | IN SUPPORT OF THE COLLABORATIVE PROJECT UNRAVELING THE SECOND SECRET OF LIFE: ARE ALL PROTEINS ALLOSTERIC? PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |

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|--|---|--|---------------|
| ASPIRATION 2973 16TH STREET, SUITE 300 SAN FRANCISCO, CA 94103 | N/A PC | IN SUPPORT OF A NEW OPEN AND SHARED RESEARCH PUBLISHING INFRASTRUCTURE THAT ENABLES TRANSPARENCY, REPRODUCIBILITY, AND INFORMATION SHARING. | 650,000. |
| ASSOCIACAO DE DEFESA ETNOAMBIENTAL KANINDE RUA DOM PEDRO II, 1892, SALA 07 PORTO VELHO RO BRAZIL 78901-150 | N/A PC | TO IMPROVE THE CONSOLIDATION STATUS OF FOUR ANDES-AMAZON INITIATIVE KEY PROTECTED AREAS AND INDIGENOUS LANDS, TOTALING APPROXIMATELY 2,450,000 HECTARES IN THE BRAZILIAN AMAZONIAN STATE OF RONDONIA, THROUGH IMPLEMENTING MANAGEMENT PLANS AND BUILDING THE CAPACITY OF INDIGENOUS ORGANIZATIONS TO EXERCISE THEIR RIGHTS AND DEFEND THEIR LANDS. | 500,000. |
| ASTRONOMICAL SOCIETY OF THE PACIFIC 390 ASHTON AVENUE SAN FRANCISCO, CA 94112 | N/A PC | IN SUPPORT OF ENHANCED PUBLIC ENGAGEMENT IN ASTRONOMY THROUGH THE DISTRIBUTION OF LOW-COST GALILEOSCOPE TELESCOPE KITS AND ONLINE PROFESSIONAL DEVELOPMENT OPPORTUNITIES FOR INFORMAL AND FORMAL EDUCATORS. | 299,808. |
| BAY AREA OPEN SPACE COUNCIL 2150 ALLSTON WAY, SUITE 320 BERKELEY, CA 94704 | N/A PC | TO ENHANCE AND UPDATE THE BAY AREA CONSERVATION LANDS NETWORK THROUGH INCLUSION OF NEW DATASETS, AN UPDATED USER INTERFACE, IMPROVED FUNCTIONALITY, METRICS FOR KEY CONSERVATION PERFORMANCE INDICATORS, AND EXPANDED USER BASE. | 126,375. |
| BAYLOR COLLEGE OF MEDICINE ONE BAYLOR PLAZA HOUSTON, TX 77030 | N/A PC | TO SUPPORT THE CREATION OF A PROGRAM OF DIAGNOSTIC SAFETY SURVEILLANCE AND IMPROVEMENT WITHIN A LARGE INTEGRATED HEALTH SYSTEM. | 1,136,848. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

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|---|---|--|---------------|
| BETH ISRAEL DEACONESS MEDICAL CENTER, INC. 330 BROOKLINE AVENUE BOSTON, MA 02215 | N/A PC | TO SPREAD TRANSPARENT CLINICAL NOTES TO 50 MILLION PATIENTS THROUGHOUT THE UNITED STATES. | 1,333,000. |
| BIGELOW LABORATORY FOR OCEAN SCIENCES 60 BIGELOW DRIVE, PO BOX 380 EAST BOOTHBAY, ME 04544 | N/A PC | IN SUPPORT OF CREATING NOVEL HIGH-THROUGHPUT PROTOCOLS FOR SEQUENCING THE GENOMES OF INDIVIDUAL VIRUSES. PROTOCOLS WILL BE SHARED TO BENEFIT THE VIRUS ECOLOGIST SCIENTIFIC COMMUNITY. | 288,324. |
| BIOLOGICAL SCIENCES CURRICULUM STUDY 5415 MARK DABLING BOULEVARD COLORADO SPRINGS, CO 80918 | N/A PC | IN SUPPORT OF BROADER PUBLIC ENGAGEMENT IN SCIENCE THROUGH THE DEVELOPMENT OF TOOLS FOR ANALYZING DATA, SHARING FINDINGS AND PARTICIPATING IN A COMMUNITY OF SCIENTIFIC INQUIRY. | 564,610. |
| BIOLOGY CENTRE OF THE CZECH ACADEMY OF SCIENCES BRANISOVSKA 31 CESKE BUDEJOVICE CZECH REPUBLIC | N/A GOV | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS. | 179,750. |
| BIPARTISAN POLICY CENTER, INC. 1225 I STREET NW, #1000 WASHINGTON, DC 20005 | N/A PC | TO SUPPORT THE DEVELOPMENT AND RELEASE OF A REPORT OUTLINING THE CHALLENGES ASSOCIATED WITH PROVIDING APPROPRIATE CARE IN THE COMMUNITY TO PATIENTS WITH SERIOUS ILLNESS, INCLUDING SPECIFIC POLICY RECOMMENDATIONS TO ADDRESS THE ISSUES OF PAYMENT, TELEHEALTH, WORKFORCE AND FAMILY CAREGIVERS. | 687,502. |
| BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN 2420 ENGINEERING HALL MADISON, WI 53706 | N/A GOV | IN SUPPORT OF THE INVENTION OF AN ELECTRIC MOTOR BASED ON ORGANIC DIELECTRICS. | 225,000. |

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| BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN 550 NORTH PARK STREET, 122 SCIENCE HALL MADISON, WI 53706-1491 | N/A GOV | TO ASSESS, MONITOR AND FACILITATE THE ENHANCEMENT OF THE EFFECTIVENESS, IMPACT AND DURABILITY OF SUPPLY CHAIN INTERVENTIONS FOR DEFORESTATION-FREE CATTLE AND SOY PRODUCTION IN THE BRAZILIAN AMAZON AND CERRADO BIOMES. | 840,836. |
| BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN 21 N PARK STREET, 6401 MADISON, WI 53715 | N/A GOV | TO DEMONSTRATE HOW AN UNDERUTILIZED HEALTH INFORMATION TECHNOLOGY, CANCELRX, CAN REDUCE MEDICATION DISCREPANCIES, PREVENT DISCONTINUED MEDICATIONS FROM BEING DISPENSED, AND REDUCE ADVERSE DRUG EVENTS. | 307,780. |
| BOSTON MEDICAL CENTER CORPORATION 660 HARRISON AVENUE, 2ND FLOOR BOSTON, MA 02118-2908 | N/A PC | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, ANDREA SPENCER, IN HER PROJECT TO DEVELOP AN EFFECTIVE ATTENTION DEFICIT HYPERACTIVITY DISORDER FAMILY ENGAGEMENT INTERVENTION FOR THE PRIMARY CARE SETTING. | 161,234. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF A NEW EXHIBIT THAT HIGHLIGHTS THE NATURAL PHENOMENA THAT SHAPE NORTHERN CALIFORNIA'S COASTLINE AND GIVE RISE TO THE ICONIC ORGANISMS THAT MAKE NORTHERN CALIFORNIA UNIQUE. | 754,149. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF THE ADDITION OF NEW CAPABILITIES ON THE INATURALIST PLATFORM THAT CREATE OPPORTUNITIES FOR STUDENTS, TEACHERS, AND COMMUNITIES TO PARTICIPATE IN EXTENDED SCIENTIFIC RESEARCH. | 500,000. |

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| CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY 1130 K STREET, SUITE 280 SACRAMENTO, CA 95814 | N/A PC | TO SUPPORT THE CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY AS IT WORKS TO FINANCIALLY STABILIZE ITS SCIENCE AND TECHNOLOGY POLICY FELLOWSHIP PROGRAM. | 300,000. |
| CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY 1130 K STREET, SUITE 280 SACRAMENTO, CA 95814 | N/A PC | IN SUPPORT OF STRATEGIC PLANNING EFFORTS TO DEVELOP SCIENCE ADVISING FELLOWSHIP PROGRAMS FOR SEVERAL U.S. STATE LEGISLATURES. | 250,000. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF PARTIAL FUNDING TO ACQUIRE, HOUSE, AND OPERATE THREE NEW MICROSCOPES. THESE NEW MICROSCOPES ARE THE FEI 300 KEV TITAN KRIOS; THE ZEISS LSM 880 CONFOCAL LASER-SCANNING MICROSCOPE; AND THE LEICA TCS LIGHT SHEET MICROSCOPE. | 1,447,650. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BOULEVARD, MC158-79 PASADENA, CA 91125 | N/A PC | IN SUPPORT OF DETERMINING WHETHER COMPUTATION CAN BE USED TO REDISCOVER MAXWELL'S EQUATIONS THROUGH A VIRTUAL EXPERIMENT, AUTOMATED ANALYSIS AND MACHINE INFERENCE. | 76,617. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF ENHANCED, MULTIDISCIPLINARY LABORATORY APPROACHES THAT CAN BE TRANSFERRED TO THE MARINE ENVIRONMENT, ENABLING THE QUANTIFICATION OF VARIATION IN METABOLIC ACTIVITIES AND ASSOCIATED CELL-SPECIFIC PROTEIN EXPRESSION. | 294,950. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF THE INVENTION OF A SAFE DELIVERY VECTOR THAT CAN CARRY LARGE GENOMES TO TARGET HUMAN CELLS. | 225,000. |

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|--|---|--|---------------|
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF A BAYESIAN FRAMEWORK FOR REAL-TIME EVALUATION OF EARTHQUAKE EARLY WARNING ALGORITHM OUTPUTS FOR THE SHAKEALERT SYSTEM. | 500,000. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BOULEVARD, MC 104-44 PASADENA, CA 91125 | N/A PC | TO SUPPORT A COORDINATED PROGRAM BETWEEN THE CALIFORNIA INSTITUTE OF TECHNOLOGY AND MCGILL UNIVERSITY TO DEVELOP A FLIGHT READY HOLOGRAPHIC MICROSCOPE DESIGNED TO DETECT LIFE ON OTHER WORLDS (MICROBIAL MOTILITY AND DIRECTED MOVEMENT (TAXIS)) AND IMAGE MICROBES IN EXTREME ENVIRONMENTS ON EARTH. | 131,000. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | TO PROVIDE SUPPORT FOR THE THIRTY METER TELESCOPE THROUGH THE TMT INTERNATIONAL OBSERVATORY. | 5,000,000. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF DEVELOPING THE MOLECULAR BASIS FOR DRIVING THE PHOTO-OXIDATION OF WATER TO ENABLE FUEL PRODUCTION DIRECTLY FROM SUNLIGHT. | 817,927. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF NEW DETECTOR ARRAYS FOR POLARIZATION-SENSITIVE MEASUREMENTS OF THE COSMIC MICROWAVE BACKGROUND RADIATION, TO ENABLE THE BICEP PROJECT TO SEARCH FOR EVIDENCE OF COSMIC INFLATION. | 760,000. |
| CANADIAN INSTITUTE FOR ADVANCED RESEARCH | N/A | IN SUPPORT OF A PARTNERSHIP BETWEEN THE CANADIAN INSTITUTE FOR ADVANCE RESEARCH AND THE SCIENCE PROGRAM OF THE GORDON AND BETTY MOORE FOUNDATION TO PLAN AND EXECUTE A SERIES OF WORKSHOPS AND CONVENING SCIENTISTS ON TOPICS RELATED TO AREAS OF INTEREST TO THE EMERGENT PHENOMENA IN QUANTUM | 304,256. |

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|---|---|--|---------------|
| 661 UNIVERSITY AVE, SUITE 505 TORONTO ON CANADA M5G 1M1 | PC | SYSTEMS INITIATIVE AND THE MARINE MICROBIOLOGY INITIATIVE. | |
| CANADIAN PARKS AND WILDERNESS SOCIETY 410 - 698 SEYMOUR STREET VANCOUVER BC CANADA V6B 3K6 | N/A PC | IN SUPPORT OF OCEAN PLAN IMPLEMENTATION. | 356,606. |
| CAPE COD COMMERCIAL FISHERMENS ALLIANCE, INC. 1566 MAIN STREET CHATHAM, MA 02633 | N/A PC | TO SUPPORT EFFECTIVE IMPLEMENTATION AND DURABILITY OF SECTORS FOR GROUND FISH, WITH AN EMPHASIS ON ACCOUNTABILITY AND MONITORING; AND TO ENSURE SUSTAINABLE FISHING COMMUNITIES AND INDUSTRY LEADERSHIP INTO THE FUTURE, PARTICULARLY ON CAPE COD. | 400,000. |
| CARNEGIE MELLON UNIVERSITY LANE CENTER FOR COMPUTATIONAL BIOLOGY, 5000 FORBES PITTSBURGH, PA 15213 | N/A PC | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS WILL BE USED TO DEVELOP ALGORITHMS AND OPEN-SOURCE IMPLEMENTATIONS FOR ANALYSIS OF LARGE COLLECTIONS OF GENOMICS SEQUENCING DATA TO BETTER UNDERSTAND GENETIC VARIATION, GENE EXPRESSION, AND GENE FUNCTION. | 300,000. |
| CENTER FOR HEALTH CARE STRATEGIES, INC. 200 AMERICAN METRO BOULDEVARD, SUITE 119 HAMILTON, NJ 08619 | N/A PC | TO IDENTIFY STRATEGIES, INCLUDING COMMUNITY PHARMACY, TO IMPROVE MEDICATION SAFETY AMONG LOW-INCOME POPULATIONS, PARTICULARLY THOSE WITH MULTIPLE CHRONIC CONDITIONS. | 752,648. |

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|--|---|---|---------------|
| CENTRE FOR OCEAN LIFE, DTU AQUA, TECHNICAL UNIVERS JÆGERSBORG ALLE 1, 2920 CHARLOTTENLUND DENMARK | N/A PC | IN SUPPORT OF DEVELOPING COMPUTATIONAL MODELS OF MARINE PLANKTON ECOSYSTEMS FOR MULTIPLE TROPHIC LEVELS. MODEL PREDICTIONS WILL BE TESTED USING AN AUTONOMOUS FIELD INSTRUMENT IN THE CALIFORNIA CURRENT. | 572,989. |
| CENTRO PARA EL DESARROLLO DEL INDIGENA AMAZONICO PASAJE BONIFACIO NRO. 166 CALLAO PERU | N/A PC | TO STRENGTHEN MANAGEMENT OF THE MATSES NATIONAL RESERVE AND THE YAVARI-TAPICHE INDIGENOUS RESERVE IN PERU'S LORETO REGION, AND TO SUPPORT GREATER INTEGRATION OF BOTH AREAS INTO APPROPRIATE REGIONAL AND NATIONAL GOVERNANCE STRUCTURES. | 240,000. |
| CERES, INC. 99 CHAUNCY STREET, 6TH FLOOR BOSTON, MA 02111 | N/A PC | TO IMPLEMENT THE FINANCE COLLABORATION FOR THE CONSERVATION AND FINANCIAL MARKETS INITIATIVE. | 2,755,046. |
| CERES, INC. 99 CHAUNCY STREET, 6TH FLOOR BOSTON, MA 02111 | N/A PC | TO INTEGRATE WATER RISK INTO BUSINESS AND FINANCIAL DECISION-MAKING IN FOOD AND BEVERAGE SECTOR COMPANIES. | 500,000. |
| CHABOT SPACE & SCIENCE CENTER FOUNDATION 10000 SKYLINE BOULEVARD OAKLAND, CA 94619 | N/A SO I | IN SUPPORT OF STRATEGIC PLANNING AND CAPACITY BUILDING THAT WILL INFORM ORGANIZATIONAL PRIORITIES AND DECISION MAKING FOR 3-5 YEARS, AND WILL HELP ENSURE A FINANCIALLY SUSTAINABLE EDUCATIONAL INSTITUTION. | 700,000. |
| CLIMATE BONDS INITIATIVE 40 BERMONDSEY ST LONDON UNITED KINGDOM SE1 3UD | N/A PC | TO SUPPORT THE DEVELOPMENT AND CAPITALIZATION OF THE AGRICULTURAL GREEN BONDS MARKET. | 750,000. |

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|---|---|--|---------------|
| COALITION TO TRANSFORM ADVANCED CARE 1299 PENNSYLVANIA AVENUE NW SUITE 1175 WASHINGTON, DC 20004 | N/A PC | TO SUPPORT PLANNING ACTIVITIES FOR THE DEVELOPMENT OF A PAYMENT MODEL SIMULATOR FOR SERIOUS ILLNESS CARE, INCLUDING A PAPER-BASED PROTOTYPE OF THE SIMULATOR AND A TIMELINE, BUDGET AND BUSINESS PLAN TO DEVELOP THE FULL SIMULATOR. | 179,908. |
| COALITION TO TRANSFORM ADVANCED CARE 1299 PENNSYLVANIA AVENUE NW SUITE 1175 WASHINGTON, DC 20004 | N/A PC | IN SUPPORT OF THE RESPECTING CHOICES ONLINE TRAINING CURRICULUM THAT WILL PROVIDE GUIDANCE TO PHYSICIANS AND OTHER HEALTH CARE PROVIDERS IN INITIATING ADVANCE CARE PLANNING CONVERSATIONS. | 260,078. |
| COASTAL STATES STEWARDSHIP FOUNDATION 444 NORTH CAPITOL STREET NW, SUITE 638 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF A STAKEHOLDER-DRIVEN MID-ATLANTIC REGIONAL OCEAN PLAN. | 439,469. |
| COASTAL STATES STEWARDSHIP FOUNDATION 444 NORTH CAPITOL STREET NW, SUITE 638 WASHINGTON, DC 20001 | N/A PC | TO SUPPORT THE WEST COAST REGIONAL PLANNING BODY IN COORDINATING STATE, TRIBAL AND FEDERAL GOVERNMENT DIALOG AROUND OCEAN PLANNING; ADVANCING SUB-REGIONAL PLANNING PROCESSES; AND COMPLETING CRITICAL PLANNING ELEMENTS AT BOTH REGIONAL AND SUB-REGIONAL SCALES, SUCH AS BASELINE DATA ASSESSMENTS AND ROBUST STAKEHOLDER ENGAGEMENT. | 225,000. |
| CODE FOR SCIENCE AND SOCIETY, INC. 2805 SE GRANT STREET PORTLAND, OR 97214 | N/A PC | THIS GRANT SUPPORTS PILOTING THE USE OF THE DAT TOOL FOR LAB DATA MANAGEMENT WORKFLOWS AND DEVELOPING USE CASES THAT DEMONSTRATE THE VALUE OF DAT FOR EFFICIENT DATA PRESERVATION, PUBLICATION, AND SHARING, AND TO CREATE OUTREACH MATERIALS TO DISSEMINATE THESE USE CASES WIDELY FOR COMMUNITY BUILDING. | 180,000. |

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|---|---|---|---------------|
| COLORADO STATE UNIVERSITY FOUNDATION 410 UNIVERSITY SERVICES CENTER FORT COLLINS, CO 80523 | N/A PC | IN SUPPORT OF RESEARCH AIMING TO TACKLE SOME OF THE KEY PROBLEMS IN UNDERSTANDING EARTH-HUMAN INTERACTIONS THROUGH HIGHLY INTERDISCIPLINARY COLLABORATIVE APPROACHES. THE THREE OVERARCHING THEMES ARE: CHANGING OCEANS, SUSTAINABILITY OF NATURAL ASSETS, AND THE WATER-ENERGY-FOOD NEXUS. | 482,000. |
| COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH OR LOCKED BAG 10 CLAYTON SOUTH VIC AUSTRALIA 3169 | N/A GOV | TO SUPPORT THE DEVELOPMENT OF PROVIDENCE, A DISTRIBUTED, WIRELESS SENSOR NETWORK FOR MONITORING BIODIVERSITY UNDER THE AMAZON CANOPY. | 50,000. |
| COMMUNITY INITIATIVES 1000 BROADWAY SUITE 480 OAKLAND, CA 94607 | N/A PC | TO SUPPORT THE NORTHERN SIERRA PARTNERSHIP'S FRESHWATER CONSERVATION EFFORTS IN TWO HIGH-PRIORITY WATERSHEDS THROUGH WATER-RELATED CONSERVATION EASEMENTS, GROUNDWATER RECHARGE STRATEGY DEVELOPMENT AND ECOLOGICALLY BASED FOREST MANAGEMENT. | 910,000. |
| COMPUTER HISTORY MUSEUM 1401 N SHORELINE BOULEVARD MOUNTAIN VIEW, CA 94043 | N/A PC | IN SUPPORT OF THE CONSTRUCTION OF AN EDUCATIONAL CENTER, A FLEXIBLE-USE TEACHING SPACE FOR USE IN ON-SITE AND DISTANCE EDUCATION, AND FACILITATING ACTIVE, COLLABORATIVE, INQUIRY-BASED LEARNING. | 750,000. |
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | TO STRENGTHEN ECUADOR'S PROTECTED AREA SYSTEM, IN PARTICULAR TO INCREASE CONSOLIDATION OF THE YASUNI-PASTAZA MOSAIC AND OTHER AMAZON PROTECTED AREAS. | 150,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | TO DESIGN AND PILOT THE FIRST-EVER GLOBAL BIODIVERSITY DATA MANAGEMENT PLATFORM THAT APPLIES RECENT TECHNOLOGICAL INNOVATIONS AND MACHINE LEARNING IN ALLIANCE WITH CONSERVATION INTERNATIONAL, THE INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE AND GOOGLE. | 550,000. |
| CONSERVATION LAW FOUNDATION, INC. 62 SUMMER STREET BOSTON, MA 02110 | N/A PC | TO SUPPORT IMPLEMENTATION OF THE NORTHEAST OCEAN PLAN SO IT PROMOTES RESILIENT AND PRODUCTIVE ECOSYSTEMS AND SUSTAINABLE USE, AND TO HELP SECURE EFFECTIVE GROUND FISH MANAGEMENT. | 500,000. |
| CONSERVATION LAW FOUNDATION, INC. 62 SUMMER STREET BOSTON, MA 02110 | N/A PC | TO SUPPORT HEALTHY OCEAN ECOSYSTEMS. | 600,000. |
| CONSERVATION LAW FOUNDATION, INC. 62 SUMMER STREET BOSTON, MA 02110 | N/A PC | TO SUPPORT STAKEHOLDER ENGAGEMENT AND THE COMPLETION OF A COMPREHENSIVE, ECOSYSTEM-BASED REGIONAL OCEAN PLAN, WHILE ALSO ENSURING EFFECTIVE EARLY STEPS TOWARDS IMPLEMENTATION. | 150,000. |
| CONSERVATION STRATEGY FUND 1160 G STREET ARCATA, CA 95521 | N/A PC | TO ANALYZE ENVIRONMENTAL, ECONOMIC AND SOCIAL RISKS FROM PROPOSED AMAZON BASIN ROADS AS AN INPUT TO SUSTAINABLE INFRASTRUCTURE INVESTMENT DECISIONS. | 240,000. |
| CONSERVATION X LABS, INC. | N/A | TO IDENTIFY THE TOP SEVEN TO TEN QUESTIONS FOR WATER INNOVATION AT THE NEXUS OF ENVIRONMENTAL CONSERVATION AND SCIENCE, AND BASED ON THOSE QUESTIONS, KICK OFF A COMPETITIVE GRAND CHALLENGE TO IDENTIFY A SET OF PROMISING INNOVATIONS THAT ADDRESS ONE OR MORE OF THE PRIORITY QUESTIONS, TO SPUR INNOVATION ECOSYSTEMS TO ADDRESS THESE | 250,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| 1342 FLORIDA AVENUE NW WASHINGTON, DC 20009 | PC | CONCERNS, AND TO HELP BRING THE BEST OF THESE IDEAS TO SCALE. | |
| CONSERVATION X LABS, INC. 1342 FLORIDA AVENUE NW WASHINGTON, DC 20009 | N/A PC | IN SUPPORT OF A DIGITAL MAKER SPACE AND MULTIDISCIPLINARY COMMUNITY FOCUSED ON DEVELOPING LOW-COST TOOLS TO ADDRESS MAJOR CHALLENGES IN CONSERVATION AND ENVIRONMENTAL SCIENCE, WHILE EXPANDING OPPORTUNITIES FOR SCIENCE EDUCATION. | 387,500. |
| CONTINUUM ANALYTICS, INC. 221 W 6TH STREET #1550 AUSTIN, TX 78701 | N/A NC | IN SUPPORT OF DEVELOPING THE DASK AND NUMBA PACKAGES FOR THE PYTHON COMPUTING LANGUAGE INTO THEIR FIRST PRODUCTION QUALITY VERSIONS TO BENEFIT THE RESEARCH OF ACADEMIC DATA SCIENTISTS. | 350,000. |
| CORAL REEF ALLIANCE 1330 BROADWAY, SUITE 1602 OAKLAND, CA 94612 | N/A PC | TO DEVELOP NOVEL SCIENCE AT THE INTERFACE OF ECOLOGY AND EVOLUTION AND A NEW APPROACH TO CORAL REEF CONSERVATION. | 323,183. |
| CORNELL UNIVERSITY PO BOX 22 ITHACA, NY 14851 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF NOVEL TECHNIQUES TO INVESTIGATE NEUTRAL QUANTUM FLUIDS AND THE VISUALIZATION OF THE ATOMIC-SCALE ELECTRONIC STRUCTURE OF QUANTUM MATERIALS. | 508,228. |
| DALHOUSIE UNIVERSITY 5850 COLLEGE STREET, ROOM 9-B1 HALIFAX NS CANADA B3H 4R2 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 168,313. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| DERECHO AMBIENTE Y RECURSOS NATURALES CALLE BERMÚDEZ N° 788 IQUITOS MAYNAS PERU | N/A PC | TO GENERATE SCIENTIFICALLY-GROUNDED INFORMATION AND POLICY RECOMMENDATIONS TO IMPROVE THE ENVIRONMENTAL AND SOCIAL STANDARDS OF A PROPOSED AMAZON RIVER TRANSPORTATION PROJECT IN LORETO, PERU. | 300,000. |
| DERECHO AMBIENTE Y RECURSOS NATURALES CALLE BERMÚDEZ N° 788 IQUITOS MAYNAS PERU | N/A PC | TO STRENGTHEN THE CAPACITY OF REGIONAL ENVIRONMENTAL AUTHORITIES TO MANAGE AND APPLY SPATIALLY EXPLICIT INFORMATION TO MANAGE PROTECTED AREAS AND REGULATE EXTRACTIVE INDUSTRIES. | 68,000. |
| DUKE UNIVERSITY 2200 W MAIN STREET, SUITE 710 DURHAM, NC 27705-4677 | N/A PC | TO SUPPORT RESEARCH ABOUT HOW ACCOUNTABLE CARE ORGANIZATIONS CAN BEST SERVE HIGH-NEED PATIENTS LIVING IN THE COMMUNITY, INCLUDING COMPLETING A QUANTITATIVE ANALYSIS OF MEDICARE CLAIMS DATA AND DEVELOPING AND DISSEMINATING SIX CASE STUDIES. | 499,656. |
| EDUCATION DEVELOPMENT CENTER, INC. 43 FOUNDRY AVENUE WALTHAM, MA 02453 | N/A PC | TO SUPPORT THE DEVELOPMENT AND DISSEMINATION OF AN EFFECTIVE AND SUSTAINABLE MODEL OF CARE THAT INCLUDES A CONSISTENT SET OF EXPECTATIONS, PRACTICES, AND MEASURES FOR IDENTIFICATION AND RESPONSE TO ELDER MISTREATMENT IN CLINICAL SETTINGS. | 500,000. |
| EMERGENCY CARE RESEARCH INSTITUTE 5200 BUTLER PIKE PLYMOUTH MEETING, PA 19462 | N/A PC | TO BUILD A SUSTAINABLE PRIVATE SECTOR INFRASTRUCTURE FOR EFFECTIVE HEALTH INFORMATION TECHNOLOGY PATIENT SAFETY PRACTICES. | 1,234,655. |
| EMORY UNIVERSITY | N/A | IN SUPPORT OF THE COLLABORATIVE PROJECT WHAT IS FITNESS IN EXPANDING POPULATION? PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED | 56,250. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| 201 DOWMAN DRIVE ATLANTA, GA 30322 | PC | THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | |
| ENVIRONMENTAL DEFENSE FUND, INCORPORATED 257 PARK AVENUE SOUTH NEW YORK, NY 10010 | N/A PC | TO SUPPORT REFINEMENT AND DURABILITY OF THE NEW ENGLAND GROUND FISH SECTOR MANAGEMENT SYSTEM THROUGH IMPROVING ACCOUNTABILITY BY THE END OF 2018, WHICH WILL GENERATE FINANCIAL BENEFITS AND SOLIDIFY CONSERVATION GAINS. | 400,000. |
| ENVIRONMENTAL DEFENSE FUND, INCORPORATED 257 PARK AVENUE SOUTH NEW YORK, NY 10010 | N/A PC | TO IMPROVE THE CONSOLIDATION STATUS OF SEVEN INDIGENOUS LANDS AND FOUR PROTECTED AREAS, WHILE BUILDING INTEGRATED GOVERNANCE MECHANISMS FOR THE XINGU MOSAIC (ABOUT 28 MILLION HECTARES). | 1,050,000. |
| ENVIRONMENTAL DEFENSE FUND, INCORPORATED 257 PARK AVENUE SOUTH NEW YORK, NY 10010 | N/A PC | TO SECURE AN ENVIRONMENTALLY AND ECONOMICALLY SUSTAINABLE AND DURABLE WEST COAST GROUND FISH TRAWL FISHERY THROUGH THE PACIFIC GROUND FISH INDIVIDUAL FISHING QUOTA PROGRAM, BY IMPLEMENTING COST-EFFECTIVE MONITORING, SUPPORTING REMOVAL OF OUTDATED REGULATIONS THAT STIFLE EFFICIENCY AND INNOVATION, IMPROVING RECOGNITION OF WEST COAST GROUND FISH IN THE MARKETPLACE, AND SHARING STORIES OF THE PROGRAM'S SUCCESSES. | 322,668. |
| ETH ZURICH RÄMISTRASSE 101, HG E 43-49 ZURICH SWITZERLAND 8092 | N/A PC | IN SUPPORT OF LAYING THE GROUNDWORK FOR ESTABLISHING AN ECOLOGICAL FRAMEWORK FOR HOW MICROENVIRONMENTAL CONDITIONS AFFECT MICROBIAL FITNESS AND MARINE BIOGEOCHEMISTRY. | 232,517. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| FIELD MUSEUM OF NATURAL HISTORY 1400 S LAKE SHORE DRIVE CHICAGO, IL 60605-2496 | N/A PC | TO DEVELOP A VISION AND RECOMMENDATIONS FOR STRATEGIES TO CONSISTENTLY INCLUDE SOCIAL AND ENVIRONMENTAL STANDARDS INTO CHINESE FINANCE OF INFRASTRUCTURE PROJECTS IN THE AMAZON REGION. | 245,000. |
| FIELD MUSEUM OF NATURAL HISTORY 1400 S LAKE SHORE DRIVE CHICAGO, IL 60605-2496 | N/A PC | TO SUPPORT SOUND LAND USE DECISION-MAKING CONSISTENT WITH THE CONSOLIDATION OF PROTECTED AREAS AND INDIGENOUS LANDS IN THE AMAZON REGIONS OF SOUTHERN COLOMBIA AND NORTHERN PERU. | 150,000. |
| FRIENDS OF THE EARTH 1101 15TH STREET, NW 11TH FLOOR WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF DOMESTIC AND INTERNATIONAL POLICIES THAT PROTECT U.S. ARCTIC ECOSYSTEMS AND COMMUNITIES FROM THE CATASTROPHIC AND CHRONIC IMPACTS OF INTENSIFIED VESSEL TRAFFIC. | 100,000. |
| FUNDACAO VITORIA AMAZONICA RUA ESTRELA DALVA, 146 MANAUS AM BRAZIL 69083-093 | N/A NC | TO STRENGTHEN MOSAIC-LEVEL GOVERNANCE OF PROTECTED AREAS AND TO MONITOR AND MITIGATE MOSAIC-LEVEL THREATS FROM THE MANAUS METROPOLITAN REGION IN THE LOWER RIO NEGRO MOSAIC OF THE BRAZILIAN AMAZON. | 440,000. |
| FUNDACION GAIA AMAZONAS CRA. 4 26B-31 BOGOTA DC COLOMBIA | N/A PC | TO ELEVATE THE CONSOLIDATION CONDITIONS OF THE YAIGOJE APAPORIS NATIONAL PARK AND THE MIRITI INDIGENOUS TERRITORY IN THE COLOMBIAN AMAZON BY APPLYING INDIGENOUS LAND MANAGEMENT KNOWLEDGE AND COMPLETING THE GOVERNANCE STRUCTURE FOR THE PARK IN THE CHIRIBIQUETE-CAQUETA MOSAIC OF COLOMBIA. | 700,000. |
| FUNDACION PARA LA CONSERVACION Y EL DESARROLLO SOS CARRERA 70 C NO. 50-47 | N/A | TO SUPPORT SOUND LAND USE DECISION-MAKING CONSISTENT WITH THE CONSOLIDATION OF PROTECTED AREAS AND INDIGENOUS LANDS IN THE AMAZON REGIONS OF SOUTHERN COLOMBIA AND NORTHERN PERU. | 160,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| BOGOTA COLOMBIA | PC | | |
| FUNDO BRASILEIRO PARA A BIODIVERSIDADE 286 5 ANDAR BOTAFOGO RIO DE JANEIRO RJ BRAZIL CEP: 22270-014 | N/A PC | TO SUPPORT A COLLABORATION BETWEEN THE BRAZILIAN FUND FOR BIODIVERSITY AND THE FEDERAL AGENCY FOR PROTECTED AREAS TO CREATE AND IMPLEMENT TOOLS AND PROCESSES TO UNLOCK FEDERAL COMPENSATION FUNDS FOR AMAZONIAN PROTECTED AREAS AS PART OF THE ARPA FOR LIFE INITIATIVE. | 620,749. |
| GEORGIA TECH RESEARCH CORPORATION 505 TENTH STREET, SUITE 300 ATLANTA, GA 30332 | N/A SO III FI | IN SUPPORT OF THE COLLABORATIVE PROJECT A TUNABLE MICROFLUIDIC PLATFORM FOR OBSERVING LONG TERM MICROBIAL COMMUNITY DYNAMICS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| GETTYSBURG COLLEGE CAMPUS BOX 437, 300 NORTH WASHINGTON STREET GETTYSBURG, PA 17325 | N/A PC | IN SUPPORT OF DEVELOPMENT AND APPLICATION OF ADVANCED VISUALIZATION TOOLS TO STUDY THE INTERACTIONS BETWEEN A SALAMANDER AND THE ALGAE THAT LIVE INSIDE OF ITS CELLS. | 352,057. |
| GREAT BEAR INITIATIVE SOCIETY 409 GRANVILLE STREET, SUITE 1660 VANCOUVER BC CANADA V6C 1T2 | N/A NC | IN SUPPORT OF FIRST NATIONS COLLECTION OF ANCESTRAL LAWS TO SUPPORT WILD SALMON AND MARINE CONSERVATION OUTCOMES. | 250,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| GREATER WASHINGTON EDUCATIONAL TELECOMMUNICATIONS 3939 CAMPBELL AVENUE ARLINGTON, VA 22206 | N/A PC | IN SUPPORT OF PBS NEWSHOUR FOR A SCIENCE-BASED PROGRAM THAT USES TRADITIONAL BROADCAST, WEB-BASED MEDIA CONTENT AND SOCIAL MEDIA TO INFORM AND EDUCATE THE PUBLIC OF THE CREATIVE AND INNOVATIVE CONTRIBUTIONS BEING MADE BY SCIENTISTS AND ENGINEERS. | 333,334. |
| GREEN FIRE PRODUCTIONS PO BOX 369 LA GRANDE, OR 97850 | N/A PC | IN SUPPORT OF OCEAN PLANNING FILM SCREENINGS IN THE UNITED STATES AND CANADA. | 375,000. |
| GREEN FOOTHILLS FOUNDATION 3921 E BAYSHORE ROAD, PENINSULA CONSERVATION CTR PALO ALTO, CA 94303 | N/A PC | TO SUPPORT PROTECTION OF KEY HABITAT IN SAN JOSE'S COYOTE VALLEY BY BUILDING NECESSARY SUPPORT FOR CONSERVATION. | 432,250. |
| GREENPEACE FUND, INC. 702 H STREET NW, SUITE 300 WASHINGTON, DC 20001 | N/A PC | TO SUPPORT THE DEVELOPMENT OF THE ACCOUNTABILITY FRAMEWORK INITIATIVE. | 60,000. |
| GULF OF MAINE RESEARCH INSTITUTE 350 COMMERCIAL STREET PORTLAND, ME 04101 | N/A PC | IN SUPPORT OF THE CREATION, FIELD TESTING AND DISSEMINATION OF PLATFORM-AGNOSTIC RESOURCES TO SUPPORT YOUTH AND COMMUNITY ENGAGEMENT IN SCIENTIFIC EXPLORATION AND INVESTIGATION. | 525,000. |
| HOSPICE AND PALLIATIVE NURSES FOUNDATION ONE PENN CENTER WEST, SUITE 425 PITTSBURGH, PA 15276 | N/A SO I | TO SUPPORT THE DEVELOPMENT, STAKEHOLDER ENDORSEMENT, DISSEMINATION AND IMPLEMENTATION OF COMMUNITY-BASED PRACTICE GUIDELINES FOR QUALITY PALLIATIVE CARE. | 400,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| HOWARD HUGHES MEDICAL INSTITUTE 19700 HELIX DRIVE ASHBURN, VA 20147 | N/A PC | IN SUPPORT OF AN EXPANDED FIVE YEAR PROJECT THAT WILL INCREASE THE NUMBER AND DIVERSITY OF BIOLOGISTS WHO HAVE ACCESS TO THE UNIQUE STATE-OF-THE-ART OPTICAL IMAGING MICROSCOPES THAT HAVE BEEN DEVELOPED AT JANELIA FARM YEARS BEFORE THEY ARE COMMERCIALY AVAILABLE. | 3,498,000. |
| HUMAN DIAGNOSIS PROJECT LTD 2328 MORGAN LANE DUNN LORING, VA 22027 | N/A PC | IN SUPPORT OF MULTI-CLINIC DEPLOYMENT AND ASSESSMENT OF AN INNOVATIVE SOFTWARE PLATFORM THAT FACILITATES MULTI-PHYSICIAN INPUT FOR THE DIAGNOSTIC PROCESS. | 500,000. |
| ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI ONE GUSTAVE L. LEVY PLACE, BOX 1070 NEW YORK, NY 10029-6574 | N/A PC | TO SUPPORT THE CREATION OF A "BUSINESS INCUBATOR" TO HELP COMMUNITY-BASED SERIOUS ILLNESS PROGRAMS THRIVE UNDER ALTERNATIVE PAYMENT MODELS. | 255,000. |
| ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI ONE GUSTAVE L. LEVY PLACE, BOX 1070 NEW YORK, NY 10029-6574 | N/A PC | TO SUPPORT A NATIONAL EFFORT TO PRIORITIZE, COORDINATE AND MONITOR OPPORTUNITIES AND ACTIVITIES THAT LEAD TO A ROBUST ACCOUNTABILITY SYSTEM FOR COMMUNITY-BASED SERIOUS ILLNESS CARE. | 1,560,000. |
| ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI ONE GUSTAVE L. LEVY PLACE, BOX 1070 NEW YORK, NY 10029-6574 | N/A PC | IN SUPPORT OF THE NATIONAL PALLIATIVE CARE RESEARCH CENTER'S CAREER DEVELOPMENT AWARDS PROGRAM AND ANNUAL RETREAT AND SYMPOSIUM. | 1,738,636. |
| IEPE - INSTITUTO DE PESQUISA E FORMACAO INDIGENA RUA PROF MONJARDINO, 19-VILA SONIA SAO PAULO SP BRAZIL CEP 05625-160 | N/A PC | TO IMPROVE THE CONSOLIDATION STATUS OF FIVE INDIGENOUS LANDS (ABOUT 11 MILLION HECTARES): TROMBETAS-MAPUERA, NHAMUNDA-MAPUERA AND KATXYANA-TUNAYANA, TUMUCUMAQUE PARK AND RIO PARU D'ESTE, WHILE BUILDING INTEGRATED GOVERNANCE MECHANISMS FOR THE CALHA NORTE MOSAIC. | 400,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| IEESE USA, INC. 165 WEST 57TH STREET NEW YORK, NY 10019 | N/A POF | TO SUPPORT PRE-PRODUCTION PLANNING AND DEVELOPMENT FOR AN EDUCATIONAL PUBLIC TELEVISION DOCUMENTARY ABOUT PREPARING FOR AGING. | 75,000. |
| IMPACTASSETS, INC. 7315 WISCONSIN AVENUE, SUITE 1100W BETHESDA, MD 20814 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A NEW BUSINESS MODEL TO CREATE TANGIBLE FISHERIES INVESTMENT OPPORTUNITIES IN SOUTHEAST ASIA. | 250,000. |
| INSTITUTO DE CONSERVACAO E DESENVOLVIMENTO SUSTENT RUA BARAO DE SOLIMÕES, 12-PARQUES FLORES MANAUS AM BRAZIL CEP 69058-250 | N/A PC | TO SUPPORT MONITORING OF THE LICENSING PROCESS AND MITIGATION OF POTENTIAL ENVIRONMENTAL AND SOCIAL IMPACTS OF THE BR-319 HIGHWAY PAVING IN SURROUNDING PROTECTED AREAS AND MUNICIPALITIES. | 224,000. |
| INSTITUTO DE DESENVOLVIMENTO SUSTENTAVEL MAMIRAUÁ ESTRADA DO BEXIGA, 2.584 BAIRRO FON CX. POSTAL 38 69470-000 - TEFÉ (AM) BRAZIL | N/A PC | TO SUPPORT THE DEVELOPMENT OF PROVIDENCE, A DISTRIBUTED, WIRELESS SENSOR NETWORK FOR MONITORING BIODIVERSITY UNDER THE AMAZON CANOPY. | 48,000. |
| INSTITUTO DE DESENVOLVIMENTO SUSTENTAVEL MAMIRAUÁ ESTRADA DO BEXIGA, 2.584 BAIRRO FON CX. POSTAL 38 69470-000 - TEFÉ (AM) BRAZIL | N/A PC | TO SUPPORT THE CONSOLIDATION AND DISSEMINATION OF SUSTAINABLE NATURAL RESOURCE MANAGEMENT PRACTICES IN WETLANDS AS A MODEL FOR THE ARPA PROGRAM AND THE BRAZILIAN SYSTEM OF PROTECTED AREAS. | 500,000. |
| INSTITUTO DE PESQUISA AMBIENTAL DA AMAZONIA AVENIDA NAZARE 669 BELEM PA BRAZIL 66035-170 | N/A PC | TO DEVELOP AND OPERATIONALIZE AN INTEGRATED WEB-BASED PORTAL FOR BRAZILIAN AMAZONIAN PROTECTED AREAS TO BE USED FOR ACCESSING THREATS AND OPPORTUNITIES TO GUIDE APPROPRIATE ACTIONS BY FEDERAL AND STATE AGENCIES. | 400,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| INSTITUTO DE PESQUISA AMBIENTAL DA AMAZONIA AVENIDA NAZARE 669 BELEM PA BRAZIL 66035-170 | N/A PC | TO ASSESS UNDESIGNATED PUBLIC FORESTS AND THE SOCIETAL VALUE OF REMAINING NATIVE VEGETATION IN THE BRAZILIAN AMAZON AND CERRADO AND OFFER TECHNICAL RECOMMENDATIONS TO STRATEGIC ACTORS FOR POTENTIAL DESIGNATION OF PROTECTED AREAS AND THE PROTECTION OF NATURAL VEGETATION IN PRIVATE LANDS. | 350,000. |
| INSTITUTO DE PESQUISAS ECOLOGICAS ROD. DOM PEDRO I, KM 47 NAZARE PAULISTA SP BRAZIL 47 - 12960-000 | N/A PC | TO SUPPORT NEW APPROACHES FOR INFORMATION MANAGEMENT, INTEGRATED TERRITORIAL MANAGEMENT, AND LOCAL STAFFING FOR THE SYSTEM OF PROTECTED AREAS IN BRAZIL. | 800,000. |
| INSTITUTO DE PESQUISAS ECOLOGICAS ROD. DOM PEDRO I, KM 47 NAZARE PAULISTA SP BRAZIL 47 - 12960-000 | N/A PC | TO INCREASE AND ACCELERATE THE CONSOLIDATION STATUS OF 84 PROTECTED AREAS AND INDIGENOUS LANDS, ACCOUNTING FOR 80 MILLION HECTARES IN THE BRAZILIAN AMAZON, AND ESTABLISH THEIR RESILIENCE AGAINST DEFORESTATION AND OTHER THREATS. | 2,281,000. |
| INSTITUTO DEL BIEN COMUN AV.SALAVERRY 818, JESÚS MARIA LIMA LIMA PERU 18 | N/A PC | TO STRENGTHEN THE CAPACITY OF THE REGIONAL ENVIRONMENTAL AUTHORITY OF LORETO, PERU, TO WORK EFFECTIVELY WITH LOCAL COMMUNITIES, CIVIL SOCIETY NGOS AND RELEVANT NATIONAL AUTHORITIES TO BUILD A DURABLE SYSTEM FOR CREATING AND MANAGING REGIONAL CONSERVATION AREAS. | 200,000. |
| INSTITUTO DEL BIEN COMUN AV.SALAVERRY 818, JESÚS MARIA LIMA LIMA PERU 18 | N/A PC | TO INCREASE THE CONSOLIDATION STATUS OF THE PROTECTED AREAS AND INDIGENOUS LANDS IN THE AMPIYACU MOSAIC IN PERU, AND TO IMPROVE THE CONDITIONS TO ADDRESS CURRENT AND POTENTIAL THREATS TO THE AREAS. | 650,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| INSTITUTO DO HOMEM E MEIO AMBIENTE DA AMAZONIA RUA DOMINGOS MARREIROS, 2020 BELEM PA BRAZIL 66060-160 | N/A PC | TO SUPPORT A COLLABORATIVE NETWORK THAT IS PIONEERING INNOVATIVE METHODS OF CLOUD PROCESSING AND AUTOMATED CLASSIFICATION IN GOOGLE EARTH ENGINE TO PRODUCE 32 YEARS OF ANNUAL LAND USE, LAND COVER AND CHANGE DATA FOR THE BRAZILIAN AMAZON, AND TO TRAIN ORGANIZATIONS TO PRODUCE SUCH DATA FOR OTHER AMAZONIAN COUNTRIES. | 150,000. |
| INSTITUTO DO HOMEM E MEIO AMBIENTE DA AMAZONIA RUA DOMINGOS MARREIROS, 2020 BELEM PA BRAZIL 66060-160 | N/A PC | IN SUPPORT OF THE DEVELOPING AND TESTING THE NEXT GENERATION OF LAND USE AND LAND COVER CHANGE MONITORING TECHNOLOGIES USING HIGH RESOLUTION IMAGERY AND ADVANCED MACHINE LEARNING METHODS. | 400,000. |
| INSTITUTO DO HOMEM E MEIO AMBIENTE DA AMAZONIA RUA DOMINGOS MARREIROS, 2020 BELEM PA BRAZIL 66060-160 | N/A PC | TO DEVELOP AND OPERATIONALIZE AN INTEGRATED WEB-BASED PORTAL FOR BRAZILIAN AMAZONIAN PROTECTED AREAS, WHICH WILL BE USED TO ACCESS THREATS AND OPPORTUNITIES AND GUIDE APPROPRIATE ACTIONS BY FEDERAL AND STATE AGENCIES. | 400,000. |
| INSTITUTO DO HOMEM E MEIO AMBIENTE DA AMAZONIA RUA DOMINGOS MARREIROS, 2020 BELEM PA BRAZIL 66060-160 | N/A PC | TO SUPPORT THE ENHANCEMENT OF CONSERVATION EFFECTIVENESS OF ZERO-DEFORESTATION BEEF AND GRAIN COMMITMENTS IN THE AMAZON BY INCREASING TRANSPARENCY INTO THEIR IMPLEMENTATION, MAKING KNOWLEDGE WIDELY AVAILABLE IN THE FORM OF ONLINE DATA PLATFORMS, PUBLICATIONS OF LESSONS LEARNED, AND SHOWCASING THE LEADERSHIP OF THE STATE OF PARA IN THE IMPLEMENTATION OF BEEF AND GRAIN COMMITMENTS. | 340,275. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| INSTITUTO INTERNACIONAL DE EDUCACAO DO BRASIL SHIS QI 05, BLOCO F, SALA 101 BRASILIA DF BRAZIL 71606-900 | N/A PC | TO CONSOLIDATE THE CONSERVATION OF THE MADEIRA MOSAIC (ABOUT SEVEN MILLION HECTARES) BY FORMALIZING AND PARTIALLY IMPLEMENTING A PARTICIPATORY AND INTEGRATED ACTION PLAN FOR ITS PROTECTED AREAS AND BY ENGAGING PROTECTED AREA ORGANIZATIONS AND MANAGEMENT BODIES AROUND INFRASTRUCTURE IMPACTS. | 520,000. |
| INSTITUTO SOCIOAMBIENTAL AV. HIGIENOPOLIS, 901 SAO PAULO SP BRAZIL 01238-001 | N/A PC | IN SUPPORT OF THE IMPROVEMENT AND CONTINUED MAINTENANCE OF AN INDIGENOUS LAND MONITORING SYSTEM, AND CONSOLIDATION OF KEY RESOURCE MANAGEMENT PLANS FOR THE UPPER RIO NEGRO INDIGENOUS LANDS IN BRAZIL, COVERING ABOUT 11.5 MILLION HECTARES. | 700,000. |
| INSTITUTO SOCIOAMBIENTAL AV. HIGIENOPOLIS, 901 SAO PAULO SP BRAZIL 01238-001 | N/A PC | TO IMPROVE TOOLS AND ANALYSES TO STRENGTHEN SOCIO-ENVIRONMENTAL MANAGEMENT AND HIGHLIGHT THE IMPORTANCE OF PROTECTED AREAS AND INDIGENOUS LANDS IN THE BRAZILIAN AMAZON. | 420,000. |
| INTERMOUNTAIN HEALTHCARE FOUNDATION, INC. 36 SOUTH STATE STREET, 23RD FLOOR SALT LAKE CITY, UT 84111 | N/A PC | TO SUPPORT THE STUDY OF THE PROPORTION AND NATURE OF EMERGENCY DEPARTMENT AND URGENT CARE CENTER VISITS ASSOCIATED WITH FAILURES IN OUTPATIENT CARE AND TO PROPOSE AND TEST A TAXONOMY OF THE CAUSES AND EFFECTS FOR FAILURES IN OUTPATIENT CARE THAT RESULT IN AN EMERGENCY DEPARTMENT OR URGENT CARE VISIT. | 287,000. |
| INTERNATIONAL ASTRONOMICAL UNION 98-BIS BLVD ARAGO | N/A | IN SUPPORT OF CENTENARY PLANNING FOR THE GENERAL ASSEMBLY AT THE PALAIS DES ACADEMIES IN BRUSSELS. | 100,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| PARIS FRANCE F-75014 | PC | | |
| IOWA STATE UNIVERSITY 12 PHYSICS HALL, IOWA STATE UNIVERSITY AMES, IA 50011 | N/A GOV | IN SUPPORT OF RESEARCH TARGETING DISCOVERY OF NEW MATERIALS EXHIBITING UNCONVENTIONAL SUPERCONDUCTIVITY AND QUANTUM CRITICAL BEHAVIOR. | 315,000. |
| J. CRAIG VENTER INSTITUTE, INC. 5 RESEARCH PLACE ROCKVILLE, MD 20850 | N/A PC | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS TO BENEFIT THE MARINE MICROBIAL ECOLOGY RESEARCH COMMUNITY. | 179,381. |
| J. CRAIG VENTER INSTITUTE, INC. 5 RESEARCH PLACE ROCKVILLE, MD 20850 | N/A PC | IN SUPPORT OF DEVELOPING NEW METHODS TO OBSERVE VIRUSES AND THEIR HOSTS AND BROADENING UNDERSTANDING OF DIFFERENT MODES OF VIRAL INFECTION IN THE OCEAN. | 963,676. |
| JOHNS HOPKINS UNIVERSITY 3701 SAN MARTIN DRIVE BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF A NEW DATA STORAGE AND PROCESSING SYSTEM FOR THE PUBLIC ARCHIVE OF PANSTARRS DATASETS. | 100,000. |
| JOHNS HOPKINS UNIVERSITY 733 N BROADWAY BALTIMORE, MD 21205 | N/A PC | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, ERICA SHELTON, IN HER PROJECT TO TEST THE EFFECTIVENESS OF A COMMUNITY HEALTH WORKER INTERVENTION COMPARED TO AN ENHANCED STANDARD OF CARE AMONG PATIENTS IDENTIFIED BY EMERGENCY DEPARTMENT (ED) CASE MANAGERS TO BE AT HIGH RISK FOR ED REUTILIZATION. | 160,917. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| JOHNS HOPKINS UNIVERSITY SUITE W-400 WYMAN PARK CENTER 3400 N CHARLES ST BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF THE COORDINATION OF EFFORTS ACROSS A COALITION OF UNIVERSITIES TO IMPROVE TRACKING OF THE CAREER OUTCOMES AND DURATION OF GRADUATE PROGRAMS AND POST-DOCTORAL FELLOWSHIPS IN ORDER TO IMPROVE TRAINING AND ADDRESS OTHER ENDEMIC CHALLENGES IN THE LIFE SCIENCES WORKFORCE. | 500,117. |
| JOHNS HOPKINS UNIVERSITY 3701 SAN MARTIN DRIVE BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF LEADING-EDGE RESEARCH TO DEVELOP TIME-RESOLVED NEUTRON SCATTERING AS A PROBE OF QUANTUM MATERIALS FAR FROM EQUILIBRIUM. | 296,620. |
| JULIA COMPUTING, INC. 20 GARLAND ROAD NEWTON, MA 02459 | N/A NC | TO SUPPORT A NEW HIGH-PERFORMANCE, DYNAMIC PROGRAMMING LANGUAGE FOR SCIENTIFIC COMPUTING - NAMED JULIA - THAT IS OPTIMIZED FOR CONDUCTING DATA-DRIVEN SCIENCE. THIS PROJECT WILL ENABLE THE JULIA LANGUAGE TEAM TO MOVE THE EXISTING CORE LANGUAGE INTO ITS FIRST PRODUCTION VERSION AS WELL AS PRODUCE SUPPORTING SOFTWARE, EXTENSION LIBRARIES AND DOCUMENTATION. | 200,000. |
| LAWRENCE BERKELEY NATIONAL LABORATORY 1 CYCLOTRON ROAD BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF RESEARCH TARGETING THE DEVELOPMENT OF NOVEL X-RAY SCATTERING INSTRUMENTATION FOR PROBING QUANTUM MATERIALS. | 400,000. |
| LEADINGAGE, INC. 2519 CONNECTICUT AVENUE NW WASHINGTON, DC 20008 | N/A PC | TO CONVENE EXPERTS AND DEVELOP A WHITE PAPER ABOUT OPTIONS FOR FINANCING A SENIOR HOUSING-BASED COORDINATED CARE MODEL. | 116,000. |
| LIFE SCIENCES RESEARCH FOUNDATION 3520 SAN MARTIN DRIVE BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF PRESTIGIOUS THREE-YEAR POST-DOCTORAL FELLOWSHIPS FOR FIVE TOP RESEARCHERS IN NON-BIOMEDICAL BIOLOGICAL SCIENCE DISCIPLINES TYPICALLY UNDERFUNDED BY OTHER SOURCES. | 310,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| LIFE SCIENCES RESEARCH FOUNDATION 3520 SAN MARTIN DRIVE BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF PRESTIGIOUS THREE-YEAR POST-DOCTORAL FELLOWSHIPS FOR FIVE TOP RESEARCHERS IN NON-BIOMEDICAL BIOLOGICAL SCIENCE DISCIPLINES TYPICALLY UNDERFUNDED BY OTHER SOURCES. | 305,000. |
| LOWN INSTITUTE, INC. 21 LONGWOOD AVENUE BROOKLINE, MA 02446 | N/A PC | TO SUPPORT THE FRAMING OF AN ACTION PLAN TO REDUCE POLYPHARMACY IN FRAIL ELDERLY PATIENTS. | 300,000. |
| MAINE COAST FISHERMEN'S ASSOCIATION PO BOX 112 TOPSHAM, ME 04086 | N/A PC | TO SUPPORT ORGANIZATIONAL CAPACITY AND LEADERSHIP, AS WELL AS WORK TO ENSURE EFFECTIVE AND DURABLE MANAGEMENT FOR GROUND FISH IN NEW ENGLAND AND MAINE FISHING COMMUNITIES. | 250,000. |
| MANYLABS, INC. 771 CAPP STREET SAN FRANCISCO, CA 94110 | N/A PC | TO EXPLORE AND ENABLE NEW TYPES OF COLLABORATIONS AMONG TECHNOLOGY MAKERS AND PROFESSIONAL SCIENTISTS THAT SPUR INNOVATION IN SCIENTIFIC INSTRUMENTATION DEVELOPMENT AND DATA ANALYSIS. | 199,875. |
| MARCH OF DIMES FOUNDATION 1275 MAMARONECK AVENUE WHITE PLAINS, NY 10605 | N/A PC | TO SUPPORT THE ESTABLISHMENT OF A MODEL OF LEARNING AND TRAINING FOR HEALTH CARE INSTITUTIONS TO USE BEST PRACTICES IN PERINATAL CARE THAT ARE PATIENT AND FAMILY-CENTERED, REDUCE HEALTH CARE-ASSOCIATED HARM AND PROMOTE PATIENT SAFETY. | 500,000. |
| MARINE AFFAIRS RESEARCH AND EDUCATION 20227 NE 163RD STREET WOODINVILLE, WA 98077 | N/A PC | TO SUSTAIN AND EXPAND A COMMUNITY OF PRACTICE FOR OCEAN CONSERVATION AND MANAGEMENT PROFESSIONALS. | 400,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| MARINE BIOLOGICAL ASSOCIATION THE LABORATORY, CITADEL HILL PLYMOUTH UNITED KINGDOM PL1 2PB | N/A PC | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS. | 182,623. |
| MARINE FISH CONSERVATION NETWORK C/O 1829 WILSON BOULEVARD, #230A ARLINGTON, VA 22201 | N/A PC | TO SUPPORT THE ENGAGEMENT OF RECREATIONAL FISHERMEN IN FISHERIES SUSTAINABILITY. | 550,000. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF LEADING-EDGE RESEARCH TO CONTROL THE PROPERTIES OF QUANTUM MATERIALS USING LIGHT AND TO PROBE THE TIME-DEPENDENT MATERIAL STATES USING PHOTOEMISSION SPECTROSCOPY AND ELECTRON DIFFRACTION. | 517,786. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF THE MOORE POSTDOCTORAL AND VISITING SCHOLARS IN THEORY OF QUANTUM MATERIALS PROGRAM. | 380,000. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF POSTDOCTORAL FELLOWS FOR THE PHYSICS OF LIVING SYSTEMS GROUP AT MIT TO STUDY NON-EQUILIBRIUM DYNAMICS OF BIOLOGICAL SYSTEMS. | 425,000. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE, NE18-901 CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF A NEXT-GENERATION, OPEN-SOURCE MODEL OF MICROBIAL COMMUNITIES THAT ADDRESSES MOLECULAR AND ELEMENTAL COMPOSITION, BIOGEOCHEMICAL FUNCTION, AND INTERACTIONS AMONG ORGANISMS IN THE WATER COLUMN. | 167,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE, NE18-901 CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF RESEARCH THAT USES IN SILICO SIMULATION TO ADVANCE A NEW THEORETICAL VIEW OF THE ORIGINS OF LIFE AND EVOLUTIONARY DYNAMICS EXPRESSED IN TERMS OF PHYSICS. | 231,082. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE 37-241 CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF THE CONSTRUCTION OF THE HYDROGEN EPOCH OF REIONIZATION ARRAY (HERA) RADIO OBSERVATORY, TO ENABLE STUDIES OF THE EARLY UNIVERSE BY OBSERVATIONS OF HIGHLY REDSHIFTED 21-CENTIMETER EMISSION FROM HYDROGEN ATOMS. | 2,780,000. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A QUANTUM GAS MICROSCOPE FOR MOLECULES, WHICH WILL ENABLE SINGLE-SITE MANIPULATION AND IMAGING OF ULTRACOLD DIATOMIC MOLECULES TRAPPED IN AN "OPTICAL LATTICE" FORMED BY LASER BEAMS. | 500,000. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF LEADING-EDGE RESEARCH TO DEVELOP NOVEL FABRICATION AND CHARACTERIZATION METHODS FOR PROBING HETEROSTRUCTURES IN WHICH TOPOLOGY, GEOMETRY, AND/OR STRONG ELECTRONIC CORRELATION ARE EXPECTED TO PRODUCE EXOTIC QUANTUM PHENOMENA. | 257,310. |
| MAX PLANCK SOCIETY CELSIUSSTRASSE 1 BREMEN BREMEN GERMANY D-28359 | N/A PC | IN SUPPORT OF OBTAINING A DEEPER UNDERSTANDING OF THE FUNCTION AND METABOLISM OF THE WIDE ARRAY OF MICROBES THAT DRIVE CHEMOSYNTHETIC PRIMARY PRODUCTION IN MARINE ENVIRONMENTS THROUGH THEIR SYMBIOSES WITH MARINE INVERTEBRATES. | 447,962. |
| MAYO CLINIC | N/A | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, JUAN P. BRITO CAMPANA, IN HIS PROJECT TO ESTIMATE THE IMPACT OF SHARING COST INFORMATION WITH DECISION | 168,750. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| 200 FIRST STREET SW ROCHESTER, MN 55905-0001 | PC | AIDS USED IN CLINICAL ENCOUNTERS IN HEALTH CARE. | |
| MERIDIAN INSTITUTE 105 VILLAGE PLACE, PO BOX 1829 DILLON, CO 80435 | N/A PC | TO CONDUCT OUTREACH IN SUPPORT OF THE JOINT OCEAN COMMISSION REPORT. | 250,000. |
| MONMOUTH UNIVERSITY 400 CEDAR AVENUE WEST LONG BRANCH, NJ 07764-1898 | N/A PC | TO SUPPORT THE MAPPING AND ASSESSMENT OF MARINE RESOURCES IN THE MID-ATLANTIC REGION AND TO FOSTER PUBLIC UNDERSTANDING OF OCEAN PLANNING. | 487,038. |
| MONTANA STATE UNIVERSITY 309 MONTANA HALL, PO BOX 172470 BOZEMAN, MT 59717 | N/A GOV | IN SUPPORT OF USING ADVANCED CHEMISTRY AND MICROSCOPY TECHNIQUES TO MAP AT HIGH RESOLUTION THE SPATIAL ORGANIZATION OF MICROBIAL METABOLIC ACTIVITY IN MARINE SEDIMENT HABITATS TO UNDERSTAND HOW MICROBIAL COMMUNITIES RESPOND TO FRESHLY DELIVERED NUTRIENTS. | 666,749. |
| MONTEREY BAY AQUARIUM RESEARCH INSTITUTE 7700 SANDHOLDT ROAD MOSS LANDING, CA 95039-9644 | N/A POF | IN SUPPORT OF LABORATORY AND FIELD-BASED RESEARCH TO FURTHER THE UNDERSTANDING OF PHYTOPLANKTON GENOMICS, PHYSIOLOGY AND POPULATION DYNAMICS, INTERACTIONS WITH OTHER MARINE MICROBES, AND HOW PHYTOPLANKTON UPTAKE OF CO2 WILL TRANSITION UNDER NATURAL AND HUMAN-INDUCED PERTURBATIONS. | 434,355. |
| MRAG AMERICAS, INC. 10051 5TH STREET N, SUITE 105 ST. PETERSBURG, FL 33702 | N/A NC | TO SUPPORT A PERFORMANCE EVALUATION OF NEW ENGLAND AND PACIFIC GROUND FISH CATCH SHARES. | 400,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| NATIONAL ACADEMY OF SCIENCES 500 5TH STREET NW, KECK 1057 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF A SERIES OF MEETINGS ON DATA SCIENCE POST-SECONDARY EDUCATION TO DETERMINE HOW BEST TO PREPARE FUTURE PROFESSIONALS AND ACADEMICS WORKING IN THIS EMERGING FIELD. | 166,963. |
| NATIONAL ACADEMY OF SCIENCES 500 5TH STREET NW WASHINGTON, DC 20001 | N/A PC | TO SUPPORT THE NATIONAL ACADEMY OF MEDICINE TO CONVENE EXPERTS AND PUBLISH SUMMARY DOCUMENTS ON THE TOPIC OF BROAD INTEROPERABILITY OF HEALTH DATA AND THE DIGITAL PLATFORMS FOR HEALTH CARE. | 134,596. |
| NATIONAL ACADEMY OF SCIENCES 500 5TH STREET NW, KECK 1057 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF A PILOT PROGRAM TO ENGAGE EARLY-CAREER LEADERS IN SCIENCE, ENGINEERING, AND MEDICINE TO PROVIDE NEW PERSPECTIVES AND RECOMMENDATIONS ON EMERGING NATIONAL AND GLOBAL ISSUES, HELP IMPROVE COMMUNICATION AND IDEA EXCHANGE BETWEEN THE NATIONAL ACADEMIES AND THE PUBLIC, AND OFFER INSIGHTS INTO HOW TO NAVIGATE A COMPLEX CAREER LANDSCAPE IN THESE FIELDS. | 253,605. |
| NATIONAL ACADEMY OF SCIENCES 500 FIFTH STREET NW WASHINGTON, DC 20001 | N/A PC | TO SUPPORT THE CONVENING OF A PUBLIC WORKSHOP TO EXAMINE STRATEGIES, APPROACHES AND KEY CHALLENGES TO IMPLEMENTATION OF QUALITY MEASURES FOR COMMUNITY-BASED SERIOUS ILLNESS PROGRAMS. | 201,313. |
| NATIONAL ACADEMY OF SCIENCES 500 5TH STREET NW, KECK 1057 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF AN INTERNATIONAL WORKSHOP OF EXPERTS IN GENETIC ENGINEERING, SECURITY STUDIES AND PUBLIC POLICY TO DISCUSS THE LATEST ADVANCES IN GENOME EDITING AND ANALYZE CURRENT AND POTENTIAL APPLICATIONS IN A WIDE RANGE OF ORGANISMS SUCH AS MICROBES, PLANTS, ANIMALS AND HUMANS AND THE DEBATES ABOUT THEIR POTENTIAL RISKS AND MISUSE. | 79,964. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NATIONAL AUDUBON SOCIETY, INC. 431 WEST 7TH AVENUE, SUITE 101 ANCHORAGE, AK 99501 | N/A PC | TO IDENTIFY AND MAP THE ECOLOGICAL HOTSPOTS OF THE U.S. ARCTIC OCEAN AND THEIR THREATS. | 300,000. |
| NATIONAL AUDUBON SOCIETY, INC. 220 MONTGOMERY STREET, SUITE 1000 SAN FRANCISCO, CA 94104 | N/A PC | TO SUPPORT IMPROVED CONDITIONS FOR PACIFIC HERRING IN SAN FRANCISCO BAY THROUGH FISHERY MANAGEMENT AND RESOLUTION OF KEY THREATS. | 275,000. |
| NATIONAL CENTER FOR RESEARCH IN ADVANCED INFORMATI 1001 CONNECTICUT AVENUE NW, SUITE 830 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF A FORMAL NETWORK OF EDUCATORS THAT FACILITATES SCIENCE LEARNING THROUGH THE DEVELOPMENT OF RESOURCES AND OPPORTUNITIES FOR ENGAGING YOUTH IN SCIENCE- AND ENGINEERING-RICH MAKING. | 396,000. |
| NATIONAL COALITION ON HEALTH CARE 1111 14TH STREET NW, SUITE 900 WASHINGTON, DC 20005 | N/A PC | TO SUPPORT THE CONVENING OF FORUMS IN SEVEN U.S. CITIES, THE CREATION OF A CULMINATING REPORT, AND COMMUNICATIONS ACTIVITIES TO PROMOTE THE REPORT'S FINDINGS - ALL AIMED AT ADVANCING A NATIONAL DIALOGUE ABOUT HOW BEST TO PROVIDE AFFORDABLE, HIGH-QUALITY HEALTH CARE. | 499,767. |
| NATIONAL COMMITTEE FOR QUALITY ASSURANCE 1100 13TH STREET NW, 3RD FLOOR WASHINGTON D.C., DC 20005 | N/A PC | TO SUPPORT THE DEVELOPMENT OF SERIOUS ILLNESS CARE STANDARDS AND PROCESS MEASURES SUITABLE FOR INCLUSION IN ACCOUNTABILITY AND ACCREDITATION PROGRAMS, INCLUDING TESTING THEM IN A LEARNING COLLABORATIVE COMPRISED OF 11 COMMUNITY-BASED PROGRAMS. | 2,229,100. |
| NATIONAL FISH AND WILDLIFE FOUNDATION 1133 FIFTEENTH STREET NW, SUITE 1100 WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF THE ELECTRONIC MONITORING AND REPORTING GRANT PROGRAM FOR NEW ENGLAND. | 500,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NATIONAL INSTITUTE FOR NATURAL SCIENCES 38 NISHIGONAKA, MYODAIJI OKAZAKI JAPAN | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 163,625. |
| NATIONAL QUALITY FORUM 1030 15TH STREET NW, SUITE 800 WASHINGTON, DC 20005 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A WORKGROUP, A SERIES OF ANNUAL CONVENINGS, AND IMPLEMENTATION TOOLS ALL RELATED TO ADVANCING QUALITY MEASURES FOR COMMUNITY-BASED SERIOUS ILLNESS CARE. | 702,000. |
| NATIONAL WILDLIFE FEDERATION 11100 WILDLIFE CENTER DRIVE RESTON, VA 20190 | N/A PC | TO IMPLEMENT THE AGRICULTURE COLLABORATION FOR THE FORESTS AND AGRICULTURAL MARKETS INITIATIVE. | 1,431,388. |
| NATURAL RESOURCES DEFENSE COUNCIL, INC. 40 WEST 20TH STREET NEW YORK, NY 10011 | N/A PC | TO SUPPORT SUSTAINABLE OCEAN MANAGEMENT. | 370,000. |
| NATURE AND CULTURE INTERNATIONAL 1400 MAIDEN LANE DEL MAR, CA 92014 | N/A PC | TO BUILD LOCAL CAPACITY TO MANAGE THE REGIONAL CONSERVATION AREAS OF LORETO, PERU, TO ENSURE THEIR LONG-TERM DURABILITY. | 150,000. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | IN SUPPORT OF A SCIENCE FOR NATURE AND PEOPLE PARTNERSHIP WORKING GROUP TO INCREASE UNDERSTANDING OF THE WATER QUANTITY BENEFITS THAT FLOW FROM SOURCE WATER PROTECTION. | 124,375. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | IN SUPPORT OF COMPLETION AND EARLY IMPLEMENTATION OF THE NORTHEAST REGIONAL OCEAN PLAN, AND EARLY PLANNING STEPS IN LONG ISLAND SOUND. | 116,960. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | TO SYNTHESIZE EXPERIENCES AND MODELS FOR TERRITORIAL PLANNING IN THE AMAZON AND SIMILAR CONTEXTS, AND MAKE RECOMMENDATIONS FOR APPROACHES THAT CAN HARMONIZE INFRASTRUCTURE DEVELOPMENT WITH CONSERVATION OF AMAZON ECOSYSTEMS. | 200,000. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | TO IMPLEMENT THE AGRICULTURE COLLABORATION FOR THE FORESTS AND AGRICULTURAL MARKETS INITIATIVE. | 4,262,712. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | TO REDUCE DEFORESTATION IN THE CHIRIBIQUETE-CAQUETA AND YASUNI-PASTAZA MOSAICS BY STRENGTHENING LOCAL GOVERNMENTS AND INDIGENOUS ORGANIZATIONS TO IMPLEMENT LAND USE AND SUSTAINABLE DEVELOPMENT PLANS. | 600,000. |
| NEHI, INC. ONE BROADWAY, 15TH FLOOR CAMBRIDGE, MA 02142 | N/A PC | TO FRAME A PLAN FOR HIGH QUALITY AND SAFE DELIVERY OF HEALTH CARE, AND PLAN FOR WORKFORCE IMPACTS, AS TECHNOLOGY ENABLES THE INCREASING SHIFT OF CARE OUTSIDE THE INSTITUTIONAL SETTING. | 349,434. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO SUPPORT CAPACITY TO SUSTAIN WILD SALMON ECOSYSTEM CONSERVATION IN ALASKA. | 1,953,200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO ENGAGE AND CONNECT A BROAD SPECTRUM OF ALASKAN CIVIL SOCIETY INTERESTS AROUND THE FUTURE OF WILD SALMON AND ALASKANS. | 537,650. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF POLICY EFFORTS TO CONSERVE ALASKA'S WILD SALMON SYSTEMS. | 704,234. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO IMPLEMENT THE SEAFOOD COLLABORATION FOR THE OCEANS AND SEAFOOD MARKETS INITIATIVE. | 16,019,259. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO SUPPORT COMPLETION OF A BOOK THAT WILL IMPROVE STAKEHOLDER KNOWLEDGE ABOUT THE IMPACTS OF ECONOMIC AND DEVELOPMENT POLICIES, AND CONSERVATION EFFORTS, ON THE PRESERVATION OF NATURAL RESOURCES AND BIODIVERSITY IN THE AMAZON REGION. | 104,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | FOR EFFORTS TO SUSTAIN WILD SALMON SYSTEMS IN ALASKA AND THE COMMUNITIES THAT DEPEND UPON THEM. | 2,300,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO PROVIDE SUPPORT FOR THE ADVANCEMENT OF TRUE COST ACCOUNTING AS A POWERFUL TOOL TO UNDERSTAND AND CHARACTERIZE FOOD SYSTEMS AND THEIR ENVIRONMENTAL, SOCIAL, AND HEALTH IMPACTS AND DEPENDENCIES. | 425,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO CONSOLIDATE APPROXIMATELY 20 MILLION HECTARES OF PROTECTED AREAS AND INDIGENOUS LANDS IN HIGH BIODIVERSITY MOSAICS IN THE ANDES AMAZON REGION. | 1,550,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE COLORADO RIVER SUSTAINABILITY CAMPAIGN. | 1,750,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE SCIENCE PHILANTHROPY ALLIANCE'S 2017 ACTIVITIES TO STRENGTHEN PHILANTHROPIC SUPPORT FOR BASIC RESEARCH. | 473,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO EXPAND PUBLIC PARTICIPATION IN WILD SALMON AND CLEAN WATER CONSERVATION IN ALASKA. | 50,196. |
| NEW YORK UNIVERSITY 665 BROADWAY, SUITE 801 NEW YORK, NY 10012 | N/A PC | TO SUPPORT DATA SCIENTISTS IN PURSUIT OF SCIENTIFIC RESEARCH ACROSS THE LIFE, PHYSICAL AND SOCIAL SCIENCES AS WELL AS EXPERIMENTATION TO IDENTIFY THE BEST METHODOLOGIES TO IMPROVE DATA SCIENCE PRACTICE WITHIN ACADEMIA. | 2,000,000. |
| NEXMAP 601 VAN NESS AVENUE, OPERA PLAZA SUITE E, BOX 416 SAN FRANCISCO, CA 94102 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF LOW-COST RESOURCES IN THE FORM OF PAPER AND ELECTRONICS THAT PROVIDE A HANDS-ON, ACCESSIBLE ENTRY-POINT FOR LEARNING ENGINEERING, COMPUTATIONAL THINKING, AND DATA LITERACY. | 17,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| NORTH CAROLINA STATE UNIVERSITY 890 OVAL DRIVE, CAMPUS BOX 8206 RALEIGH, NC 27695 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL IMPROVE THE UNDERSTANDING OF INTERMEDIATE-SCALE STRUCTURE IN SCIENTIFIC NETWORK DATA AND ENABLE THE DEVELOPMENT OF SCALABLE, STRUCTURE-BASED GRAPH ALGORITHMS. | 300,000. |
| NORTHERN CALIFORNIA GRANTMAKERS 160 SPEAR STREET, SUITE 360 SAN FRANCISCO, CA 94105 | N/A PC | IN SUPPORT OF ACCELERATING PROGRESS ON KEY STRATEGIC INITIATIVES CONFRONTING THE NORTHERN CALIFORNIA REGION. | 150,000. |
| NORTHWESTERN UNIVERSITY 2205 TECH DRIVE EVANSTON, IL 60208-3500 | N/A PC | IN SUPPORT OF THE COLLABORATIVE PROJECT PRINCIPLES OF ORGANELLE COPY NUMBER HOMEOSTASIS AS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| NUMFOCUS, INC. PO BOX 90596 AUSTIN, TX 78709 | N/A PC | IN SUPPORT OF PROJECTS AND CORE LANGUAGE DEVELOPMENT FOR THE R SCIENTIFIC PROGRAMMING LANGUAGE. | 110,000. |
| NUMFOCUS, INC. PO BOX 90596 AUSTIN, TX 78709 | N/A PC | IN SUPPORT OF ACTIVITIES LED BY NUMFOCUS PERSONNEL TO PROMOTE INCREASING THE DIVERSITY OF INDIVIDUALS INVOLVED IN DATA SCIENCE. | 58,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| OCEAN CONSERVANCY, INC. 1300 19TH STREET NW, 8TH FLOOR WASHINGTON, DC 20036 | N/A PC | TO ADVANCE THE PROTECTION OF MARINE ECOSYSTEMS IN THE CANADIAN ARCTIC. | 2,000,000. |
| OCEAN CONSERVANCY, INC. 1300 19TH STREET NW, 8TH FLOOR WASHINGTON, DC 20036 | N/A PC | TO PROTECT THE ECOLOGICAL GEMS OF THE U.S. BERING AND CHUKCHI SEAS AND SECURE AN ECOSYSTEM-BASED MANAGEMENT REGIME FROM THE ALEUTIAN ISLANDS TO THE CENTRAL ARCTIC OCEAN THAT PREVENTS UNSUSTAINABLE IMPACTS OF INCREASED SHIPPING AND FISHING. | 700,000. |
| OCEAN CONSERVANCY, INC. 1300 19TH STREET NW, 8TH FLOOR WASHINGTON, DC 20036 | N/A PC | TO REIMAGINE FISHERY MANAGEMENT USING AN AGENT-BASED MODELING APPROACH. | 1,031,000. |
| OCEAN CONSERVANCY, INC. 1300 19TH STREET NW, 8TH FLOOR WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE ADVANCEMENT OF REGIONAL OCEAN PLANNING. | 1,000,000. |
| OCEAN FOUNDATION 1320 19TH STREET NW, SUITE 500 WASHINGTON, DC 20036 | N/A PC | TO PROVIDE SUPPORT FOR SUSTAINABLE FISHERIES MANAGEMENT EDUCATION. | 200,000. |
| OREGON STATE UNIVERSITY COLLEGE OF PHARMACY, OREGON STATE UNIVERSITY CORVALLIS, OR 97331 | N/A GOV | IN SUPPORT OF LABORATORY AND FIELD EXPERIMENTS TO UNDERSTAND THE CHEMISTRY THAT UNDERLIES MICROBE-MICROBE INTERACTIONS IN COMPLEX, THREE-DIMENSIONAL LIVING ROCK STRUCTURES. | 860,693. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| OREGON STATE UNIVERSITY 301 WENIGER HALL CORVALLIS, OR 97331 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT FOLLOW THE LEADER: FORECASTING COLLECTIVE CANCER DYNAMICS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| PACIFIC BUSINESS GROUP ON HEALTH 575 MARKET STREET, SUITE 600 SAN FRANCISCO, CA 94105 | N/A PC | TO SUPPORT DEVELOPMENT OF A WORK PLAN AND A BUSINESS PLAN FOR A THREE-YEAR DEMONSTRATION PROJECT TO IMPLEMENT PATIENT-REPORTED OUTCOME MEASURES IN TWO TO FOUR U.S. MARKETS. | 250,000. |
| PACIFIC ENVIRONMENT AND RESOURCES CENTER 473 PINE STREET, 3RD FLOOR SAN FRANCISCO, CA 94104 | N/A PC | TO STRENGTHEN DOMESTIC AND INTERNATIONAL SAFEGUARDS TO PROTECT ECOSYSTEMS AND COMMUNITIES FROM HARMS OF INCREASED VESSEL TRAFFIC IN THE ARCTIC OCEAN. | 282,435. |
| PARTNERS HEALTHCARE SYSTEM, INC. 55 FRUIT STREET BOSTON, MA 02214 | N/A PC | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, AREEJ EL-JAWAHRI, IN HER PROJECT TO EVALUATE THE IMPACT OF A HOSPICE VIDEO DECISION SUPPORT TOOL FOR PATIENTS WITH ADVANCED CANCER AND THEIR FAMILY CAREGIVERS. | 168,750. |
| PARTNERS HEALTHCARE SYSTEM, INC. | N/A | TO GENERATE POLICY AND PRACTICE RECOMMENDATIONS THAT STRENGTHEN THE PERSONAL ASSISTANCE DIRECT CARE WORKFORCE AND MAXIMIZE THEIR ROLE AS PART OF THE INTERDISCIPLINARY HEALTH AND PERSONAL CARE WORKFORCE SERVING INDIVIDUALS WITH SERIOUS | 1,053,899. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| 55 FRUIT STREET BOSTON, MA 02214 | PC | ILLNESS IN THE COMMUNITY. | |
| PARTNERS HEALTHCARE SYSTEM, INC. 55 FRUIT STREET BOSTON, MA 02214 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A WHITE PAPER AND TELEPHONIC TOWN HALL MEETING THAT FOCUS ON ADDRESSING DISPARITIES IN DIAGNOSTIC ERRORS AND MEDICATION SAFETY IN THE HOME, HIGHLIGHTING KEY ISSUES AND PROVIDING RECOMMENDATIONS TO MEET THE NEEDS OF A DIVERSE POPULATION. | 82,718. |
| PARTNERS HEALTHCARE SYSTEM, INC. 399 REVOLUTION DRIVE, SUITE 740 SOMERVILLE, MA 02145 | N/A PC | TO SUPPORT COACHING OF HEALTH CARE SYSTEMS TO IMPLEMENT SERIOUS ILLNESS COMMUNICATIONS SKILLS TRAINING. | 742,500. |
| PARTNERS HEALTHCARE SYSTEM, INC. 399 REVOLUTION DRIVE, SUITE 740 SOMERVILLE, MA 02145 | N/A PC | TO ADVANCE KEY PRINCIPLES AND PRACTICES RELATED TO MORE CAREFUL AND CONSERVATIVE MEDICATION PRESCRIBING. | 1,011,088. |
| PENINSULA OPEN SPACE TRUST 222 HIGH STREET PALO ALTO, CA 94301 | N/A PC | TO SUPPORT PERMANENT PROTECTION OF TUNITAS CREEK BEACH AND THE HALSTED PROPERTY AT WAVECREST ALONG THE THREATENED SAN MATEO COAST. | 2,100,000. |
| PENINSULA OPEN SPACE TRUST 222 HIGH STREET PALO ALTO, CA 94301 | N/A PC | TO INCREASE SCIENTIFIC KNOWLEDGE OF CARNIVORE MOVEMENT AND HABITAT REQUIREMENTS TO INFORM CONSERVATION STRATEGIES FOR PROTECTING CRITICAL WILDLIFE LINKAGES IN SANTA CLARA COUNTY'S COYOTE VALLEY. | 280,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| PENINSULA OPEN SPACE TRUST 222 HIGH STREET PALO ALTO, CA 94301 | N/A PC | TO SUPPORT PERMANENT PROTECTION OF RAMKE RANCH. | 1,750,000. |
| PEOPLE FOR OPEN SPACE, INC. 312 SUTTER STREET, SUITE 510 SAN FRANCISCO, CA 94108 | N/A PC | TO SUPPORT PROTECTION OF KEY HABITAT IN SAN JOSE'S COYOTE VALLEY BY BUILDING NECESSARY SUPPORT FOR CONSERVATION. | 290,250. |
| PERIMETER INSTITUTE FOR THEORETICAL PHYSICS 31 CAROLINE STREET NORTH WATERLOO ON CANADA N2L 2Y5 | N/A PC | IN SUPPORT OF WORKSHOPS AND SCIENTIFIC EXCHANGE VISITS THAT PROMOTE NEW EXPERIMENTS FOR FUNDAMENTAL PHYSICS. | 85,000. |
| PEW CHARITABLE TRUSTS 901 E STREET, NW WASHINGTON, DC 20004 | N/A PC | TO PROTECT ECOSYSTEM VALUES OF WESTERN CANADA'S BOREAL SALMON WATERSHEDS. | 3,000,000. |
| PLANET LABS 346 9TH STREET SAN FRANCISCO, CA 94103 | N/A NC | IN SUPPORT OF DEVELOPING AND TESTING THE NEXT GENERATION OF LAND USE AND LAND COVER CHANGE MONITORING TECHNOLOGIES USING VERY HIGH-RESOLUTION IMAGERY AND ADVANCED MACHINE LEARNING METHODS. | 250,000. |
| PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE, FACULTAD AV LIBERTADOR BERNARDO OHIGGINS 340 SANTIAGO CHILE | N/A PC | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS TO BENEFIT THE MARINE MICROBIAL ECOLOGY RESEARCH COMMUNITY. | 235,375. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| PORTLAND STATE UNIVERSITY PO BOX 751 PORTLAND, OR 97207-0751 | N/A GOV | TO SUPPORT A PROGRAM TO DEVELOP A FLIGHT-READY HOLOGRAPHIC MICROSCOPE DESIGNED TO DETECT LIFE ON OTHER WORLDS (MICROBIAL MOTILITY AND DIRECTED MOVEMENT (TAXIS) AND IMAGE MICROBES IN EXTREME ENVIRONMENTS ON EARTH). | 100,000. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 17 OXFORD STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF LEADING-EDGE RESEARCH TO BUILD NOVEL MULTI-COMPONENT QUANTUM MATERIALS (HETEROSTRUCTURES) AND TO SEARCH FOR EXOTIC QUANTUM PHENOMENA, PRIMARILY AT THE INTERFACE BETWEEN DISSIMILAR MATERIALS OF SUCH STRUCTURES. | 500,000. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 17 OXFORD STREET CAMBRIDGE, MA 02138 | N/A PC | TO SUPPORT THE DEVELOPMENT OF NEW EXPERIMENTAL APPROACHES FOR EXPLORING THE EFFECTS OF SPIN FRUSTRATION IN QUANTUM MATERIALS. | 392,476. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3 BLACKFAN CIRCLE, 5TH FLOOR BOSTON, MA 02115 | N/A PC | IN SUPPORT OF USING SYNTHETIC BIOLOGY AND ENVIRONMENTAL DATA TO EXPLORE AN UNDERSTUDIED COMPONENT OF THE GLOBAL NITROGEN CYCLE. | 351,173. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 17 OXFORD STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF SYNTHESIS, IMAGING, AND MANIPULATION OF NOVEL TYPES OF ARTIFICIAL QUANTUM MATERIALS, AIMED AT CREATING NOVEL SUPERCONDUCTING PHASES AND FUNCTIONALITIES. | 126,450. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 17 OXFORD STREET CAMBRIDGE, MA 02138 | N/A PC | TO SUPPORT QUANTUM SIMULATION AND MEASUREMENT OF ENTANGLEMENT ENTROPY TO UNDERSTAND QUANTUM MANY-BODY SYSTEMS. | 247,920. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 17 OXFORD STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF THE MOORE POSTDOCTORAL SCHOLARS IN THEORY OF QUANTUM MATERIALS PROGRAM AT HARVARD UNIVERSITY. | 250,000. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE HOLYOKE CENTER, 1350 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF ACHIEVING A DEEPER UNDERSTANDING OF THE LINKS BETWEEN ECOSYSTEM STRUCTURE, FUNCTION, AND LONG-TERM STABILITY BY USING ISOTOPE-ENABLED METHODS TO ILLUMINATE THE AVAILABILITY OF ENERGY AND NUTRIENTS TO MARINE MICROBES. | 311,452. |
| PROJECT HOPE THE PEOPLE TO PEOPLE HEALTH FOUNDATIO 7500 OLD GEORGETOWN ROAD, SUITE 600 BETHESDA, MD 20814-6133 | N/A PC | TO SUPPORT THE PUBLICATION AND DISSEMINATION OF A THEMATIC ISSUE FEATURING PEER-REVIEWED PAPERS ON THE TOPIC OF EMERGING PATIENT SAFETY PRIORITIES. | 400,000. |
| PROJECT HOPE THE PEOPLE TO PEOPLE HEALTH FOUNDATIO 7500 OLD GEORGETOWN ROAD, SUITE 600 BETHESDA, MD 20814-6133 | N/A PC | TO SUPPORT THE PUBLICATION AND DISSEMINATION OF A THEMATIC ISSUE FEATURING PEER-REVIEWED ARTICLES ON THE TOPIC OF WORKFORCE DEVELOPMENT FOR HIGH-QUALITY, COMMUNITY-BASED SERIOUS ILLNESS CARE. | 1,000,000. |
| PUBLIC HEALTH INSTITUTE 555 12TH STREET, 10TH FLOOR OAKLAND, CA 94607 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A STRATEGIC PLAN FOR BUILDING THE HEALTH WORKFORCE TO MEET CALIFORNIA'S FUTURE NEEDS. | 500,000. |
| PUBLIC HEALTH INSTITUTE 555 12TH STREET, 10TH FLOOR OAKLAND, CA 94607 | N/A PC | TO PROVIDE SUPPORT FOR THE EFFORTS OF THE CALIFORNIA ALLIANCE FOR FUNDING PREVENTION TO INTEGRATE PRIMARY PREVENTION INTO THE PATIENT EXPERIENCE. | 310,589. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| PURDUE UNIVERSITY 525 NORTHWESTERN AVE WEST LAFAYETTE, IN 47907 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT A TUNABLE MICROFLUIDIC PLATFORM FOR OBSERVING LONG TERM MICROBIAL COMMUNITY DYNAMICS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| QUALITY INSIGHTS, INC. 3001 CHESTERFIELD AVENUE CHARLESTON, WV 25304 | N/A PC | TO SUPPORT THE DEVELOPMENT OF AN EVIDENCE-BASED SET OF BEST PRACTICES FOR DELIVERING PERSON-CENTERED PALLIATIVE CARE TO PATIENTS WITH CHRONIC KIDNEY DISEASE AND A PLAN TO PILOT THE PROGRAM. | 177,800. |
| RAINFOREST ALLIANCE, INC. 233 BROADWAY, 28TH FLOOR NEW YORK, NY 10279 | N/A PC | IN SUPPORT OF THE ACCOUNTABILITY FRAMEWORK INITIATIVE. | 600,000. |
| RAND CORPORATION 1776 MAIN STREET SANTA MONICA, CA 90401-3208 | N/A PC | TO SUPPORT THE DEVELOPMENT, TESTING AND APPROVAL OF NEW SURVEY TOOLS AND THE DEVELOPMENT OF QUALITY MEASURES TO ASSESS HOW HIGH-NEED PATIENTS AND THEIR FAMILY CAREGIVERS EXPERIENCE CARE RECEIVED IN COMMUNITY-BASED SERIOUS ILLNESS PROGRAMS. | 1,461,429. |
| RARE, INC. 1310 N COURTHOUSE ROAD, SUITE 110 ARLINGTON, VA 22201 | N/A PC | IN SUPPORT OF PLANNING AND PILOTING APPROACHES FOR ADVANCING BEHAVIORAL SCIENCE AND ENVIRONMENTAL CONSERVATION. | 399,077. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1850 RESEARCH PARK DRIVE DAVIS, CA 95618 | N/A GOV | TO COMPLETE THE LAUNCH OF THE BETTY IRENE MOORE SCHOOL OF NURSING. | 9,500,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE LA JOLLA, CA 92093-0354 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT QUANTIFICATION OF THE WNT MORPHOGEN GRADIENT IN HYDRA AND MECHANICALLY-INDUCED SYMMETRY BREAKING PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA SCHOOL OF VETERINARY MEDICINE, ONE SHIELDS AVENUE DAVIS, CA 95616 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH; FUNDS FROM THIS AWARD WILL BE USED TO BETTER UNDERSTAND GENE FUNCTION IN NON-MODEL ORGANISMS THROUGH THE DEVELOPMENT OF NEW WORKFLOWS AND BETTER DATA SHARING TECHNOLOGY FOR LARGE-SCALE DATA ANALYSIS. | 300,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA | N/A | IN SUPPORT OF THE COLLABORATIVE PROJECT FOLLOW THE LEADER: FORECASTING COLLECTIVE CANCER DYNAMICS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A | 56,250. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| 2011 BIOLOGICAL SCIENCES III IRVINE, CA 92697 | GOV | MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE LA JOLLA, CA 92093-0354 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT PRINCIPLES OF ORGANELLE COPY NUMBER HOMEOSTASIS AS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE, MAIL CODE 0210 LA JOLLA, CA 92093-0210 | N/A GOV | IN SUPPORT OF GENERATING NEW KNOWLEDGE OF HOW THE GENES, BIOCHEMICAL PATHWAYS, AND OTHER GENOME-SCALE CHARACTERISTICS OF REPRESENTATIVES OF THE MAJOR MICROEUKARYOTIC PHYTOPLANKTON LINEAGES CONTRIBUTE TO VARIATIONS IN CELLULAR INTERACTIONS AND NUTRIENT BIOGEOCHEMISTRY. | 299,330. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 507 MCCONE HALL BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL PRODUCE NEW TECHNIQUES FOR RESOLVING THE DOMINANT PROCESSES CONTROLLING THE EVOLUTION OF LANDSCAPES AND PREDICTING IMMINENT TRANSITIONS IN THEIR FORM AND FUNCTION. | 300,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 111 KOSHLAND HALL BERKELEY, CA 94720-3102 | N/A GOV | TO SUPPORT DATA SCIENTISTS IN PURSUIT OF SCIENTIFIC RESEARCH ACROSS THE LIFE, PHYSICAL AND SOCIAL SCIENCES AS WELL AS EXPERIMENTATION TO IDENTIFY THE BEST METHODOLOGIES TO IMPROVE DATA SCIENCE PRACTICE WITHIN ACADEMIA. | 2,000,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 2150 SHATTUCK AVENUE, SUITE 300 BERKELEY, CA 94704 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL DEVELOP NEW METHODS FOR OPTICAL AND X-RAY MICROSCOPY, USING SIMPLE OPTICAL SETUPS AND EFFICIENT, SCALABLE ALGORITHMS TO ACHIEVE IMAGING VOLUMES AND RESOLUTIONS NOT POSSIBLE BY TRADITIONAL SYSTEMS. | 300,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 3333 CALIFORNIA STREET, SUITE 315 SAN FRANCISCO, CA 94118 | N/A GOV | TO SUPPORT THE DEVELOPMENT OF A SERIES OF SCHOLARLY PAPERS WHICH WILL PROVIDE AN OVERVIEW OF AND FRAMEWORK FOR QUALITY, SAFETY, AND VALUE-IMPROVEMENT ACTIVITIES IN THE ERA OF ELECTRONIC HEALTH RECORDS. | 156,628. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1156 HIGH STREET SANTA CRUZ, CA 95064 | N/A GOV | TO DEVELOP NEW METHODS TO EXPAND THE USE OF ANCIENT DNA FOR RESEARCH THAT WILL ENHANCE OUR UNDERSTANDING OF THE EVOLUTIONARY RELATIONSHIPS BETWEEN EXTINCT AND SURVIVING TAXA. | 127,500. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 500 PARNASSUS AVENUE SAN FRANCISCO, CA 94143 | N/A GOV | TO SUPPORT DISSEMINATION OF TRAINING FOR BEDSIDE NURSES TO LEAD PALLIATIVE CARE COMMUNICATION FOR THEIR PATIENTS IN INTENSIVE CARE UNITS. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1156 HIGH STREET SANTA CRUZ, CA 95064 | N/A GOV | IN SUPPORT OF A POSTDOCTORAL FELLOW TO WORK WITH PROFESSOR RYAN FOLEY ON TIME-DOMAIN ASTRONOMY AND COSMOLOGY. | 200,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA BROIDA HALL, UNIVERSITY OF CALIFORNIA SANTA BARBARA, CA 93106 | N/A GOV | IN SUPPORT OF WORK ON COSMIC CATAclysms TO UNDERSTAND THEIR PHYSICAL ORIGIN AND TO ELUCIDATE LONGSTANDING ASTRONOMICAL PROBLEMS REGARDING THESE EXPLOSIVE EVENTS. | 1,600,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1102 NATURAL SCIENCES 2 IRVINE, CA 92697-2025 | N/A GOV | IN SUPPORT OF RESEARCH AND DEVELOPMENT OF INTEGRATED SOLAR PHOTO-DIALYSIS THAT DIRECTLY HARNESSES SOLAR ENERGY TO DRIVE DESALINATION OF SALT WATER WITH A DRAMATIC REDUCTION IN THE MINIMUM ENERGY REQUIREMENT. | 225,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 4415 CHEM ANNEX, ONE SHIELDS AVENUE DAVIS, CA 95616-5270 | N/A GOV | IN SUPPORT OF WORKSHOPS AND A SCIENTIST EXCHANGE PROGRAM TO ADVANCE OUR UNDERSTANDING OF QUANTUM MATERIALS. | 207,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 366 LECONTE HALL, MC 7300 BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF LEADING-EDGE RESEARCH TO CREATE AND CONTROL NOVEL, EMERGENT STATES OF MATTER IN COMPLEX OXIDE SUPERLATTICES. | 333,333. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 425 WESTWOOD PLAZA LOS ANGELES, CA 90095-1594 | N/A GOV | IN SUPPORT OF RESEARCH AND DEVELOPMENT OF AN INNOVATIVE SCANNING TERAHERTZ NANOSCOPY (STN) SYSTEM TO BE USED AS A POWERFUL TOOL FOR LABEL-FREE BIOLOGICAL STUDIES THAT WILL ENHANCE CONDUCT OF RESEARCH IN BIOPHYSICS. | 225,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA KOHN HALL, UNIVERSITY OF CALIFORNIA SANTA BARBARA, CA 93106 | N/A GOV | IN SUPPORT OF THE MOORE POSTDOCTORAL SCHOLARS IN THEORY OF QUANTUM MATERIALS PROGRAM AT UNIVERSITY OF CALIFORNIA, SANTA BARBARA. | 460,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 307 MCCONE HALL BERKELEY, CA 94720-4767 | N/A GOV | IN SUPPORT OF ENHANCING EARTHQUAKE EARLY WARNING USING NEXT-GENERATION SMARTPHONE SEISMIC NETWORKS TO DETECT AND STUDY EARTHQUAKE PROCESSES. | 500,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 3333 CALIFORNIA STREET, SUITE 315 SAN FRANCISCO, CA 94118 | N/A GOV | TO SUPPORT THE DEVELOPMENT AND DOCUMENTATION OF A PATIENT JOURNEY MAP FOR MEDICATION USE IN THE COMMUNITY SETTING. | 100,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 3333 CALIFORNIA STREET, SUITE 315 SAN FRANCISCO, CA 94143-0962 | N/A GOV | TO SUPPORT THE DEVELOPMENT AND DISSEMINATION OF RECOMMENDATIONS THAT STRENGTHEN THE WORKFORCE THAT PROVIDES CARE IN THE COMMUNITY FOR PEOPLE WITH SERIOUS ILLNESS. | 600,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE LA JOLLA, CA 92093 | N/A GOV | IN SUPPORT OF DEVELOPING A FUNCTIONAL AND USABLE DIAGNOSTIC FEEDBACK SYSTEM THAT PROVIDES ROUTINE FEEDBACK OF PATIENT OUTCOMES FOR DIAGNOSING PROVIDERS. | 307,253. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE LA JOLLA, CA 92093 | N/A GOV | IN SUPPORT OF SCIENCE COMMUNICATION TRAINING FOR JUNIOR FACULTY TO FACILITATE PUBLIC ENGAGEMENT ON A WIDE RANGE OF SCIENTIFIC TOPICS. | 100,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 190 DOE LIBRARY BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF THE NUMPY EXTENSION MODULE, A KEY UTILITY FOR THE PYTHON SCIENTIFIC PROGRAMMING LANGUAGE. NUMPY PROVIDES SUPPORT FOR NUMERICAL PROGRAMMING IN PYTHON, WHICH IS CRITICAL FOR DATA-DRIVEN RESEARCH. | 322,510. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 366 LECONTE HALL, MC 7300 BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF WORKSHOPS, FACULTY CONVENINGS, AND SCIENTIST EXCHANGES ON THE UC BERKELEY CAMPUS THAT STRENGTHEN THE QUANTUM MATERIALS COMMUNITY. | 77,133. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1850 RESEARCH PARK DRIVE DAVIS, CA 95618 | N/A GOV | TO SUPPORT THE BETTY IRENE MOORE SCHOOL OF NURSING TO LAUNCH THE FAMILY CAREGIVING INSTITUTE TO SUPPORT HEALTH AND WELLBEING FOR PERSONS WITH CHRONIC AND SERIOUS ILLNESS, AND THEIR FAMILY AND CAREGIVERS. | 2,500,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 111 KOSHLAND HALL BERKELEY, CA 94720-3102 | N/A GOV | IN SUPPORT OF A COLLABORATION AMONG THE UNIVERSITY OF CALIFORNIA, BERKELEY, IMPERIAL COLLEGE LONDON, PURDUE UNIVERSITY AND THE UNIVERSITY OF CALIFORNIA, SAN DIEGO TO CONTINUE DEVELOPMENT OF A PROTOTYPE MICROSCOPE THAT USES METAMATERIALS THAT INTERACT DIRECTLY WITH THE ELECTROMAGNETIC NATURE OF LIGHT TO ENABLE IMAGING WITH RESOLUTION AND SPEED THAT SURPASSES CURRENT LIGHT MICROSCOPES. | 4,000,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 366 LECONTE HALL, MC 7300 BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF LEADING-EDGE RESEARCH TO INDUCE NOVEL PROPERTIES IN QUANTUM MATERIALS USING LIGHT AND TO PROBE THE TIME-DEPENDENT MATERIAL STATES USING ANGLE- AND SPIN-RESOLVED PHOTOEMISSION SPECTROSCOPY. | 1,030,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA EARTH AND MARINE SCIENCES BUILDING A232 SANTA CRUZ, CA 95064 | N/A GOV | IN SUPPORT OF LABORATORY STUDIES AND FIELD EXPERIMENTS TO ENABLE DEVELOPMENT OF A SYSTEM FOR STORMWATER COLLECTION AND GROUNDWATER REPLENISHMENT IN DROUGHT-AFFECTED REGIONS OF CALIFORNIA. | 553,637. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1111 FRANKLIN STREET, 6TH FLOOR OAKLAND, CA 94607 | N/A GOV | TO SUPPORT USE OF WIRELESS SENSOR NETWORKS AND ADVANCED IMAGING TECHNOLOGIES TO MONITOR WATER RESOURCES, VEGETATION, AND WILDLIFE IN THE UNIVERSITY OF CALIFORNIA NATURAL RESERVE SYSTEM. | 1,039,139. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 735 STATE STREET, SUITE 300 SANTA BARBARA, CA 93101 | N/A GOV | IN SUPPORT OF ENABLING BETTER SYNTHESIS STUDIES BY DETERMINING THE BENEFITS AND UTILITY OF CREATING A "DATA TASK FORCE" TO WORK ALONGSIDE SYNTHESIS TEAMS. THIS DATA TASK FORCE WOULD HANDLE DATA ACQUISITION AND AGGREGATION, INCLUDING IDENTIFYING CHALLENGES ASSOCIATED WITH DATA SHARING AND HOW BEST TO OVERCOME THEM. | 1,061,600. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1111 FRANKLIN STREET, 9TH FLOOR OAKLAND, CA 94607-5200 | N/A GOV | TO PROVIDE SUPPORT FOR THE THIRTY METER TELESCOPE THROUGH THE TMT INTERNATIONAL OBSERVATORY. | 5,000,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 121 CALVIN LAB #2190 BERKELEY, CA 94720-2190 | N/A GOV | IN SUPPORT OF A SEMESTER-LONG PROGRAM ON DATA ANALYSIS FOR "REAL-TIME DECISION MAKING" TO EXPLORE THE THEORETICAL FOUNDATIONS OF EMERGING TECHNIQUES. | 456,590. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 367 EVANS HALL BERKELEY, CA 94720-3860 | N/A GOV | IN SUPPORT OF A COLLECTION OF TOOLS FOR BUILDING AND EXECUTING VERSION-CONTROLLED COMPUTATIONAL ENVIRONMENTS THAT CONTAIN CODE, DATA, AND INTERACTIVE FRONT ENDS (E.G., JUPYTER NOTEBOOKS) CALLED BINDER. | 517,677. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE, MAIL CODE 0210 LA JOLLA, CA 92093-0210 | N/A GOV | IN SUPPORT OF COMBINING ADVANCED MICROSCOPY, MOLECULAR GENETIC TOOLS, AND BIOCHEMISTRY TECHNIQUES IN NEW WAYS TO INVESTIGATE THE CONSUMPTION BY MARINE BACTERIA OF CELLULAR DEBRIS RELEASED FROM DYING PHYTOPLANKTON TO CREATE A NEW WINDOW OF UNDERSTANDING INTO THE MARINE CARBON CYCLE. | 368,445. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE LA JOLLA, CA 92093-0354 | N/A GOV | IN SUPPORT OF LEADING-EDGE RESEARCH THAT USES LIGHT TO MODIFY AND ULTIMATELY CONTROL THE PROPERTIES OF STRONGLY CORRELATED ELECTRON MATERIALS. | 360,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA KOHN HALL, UNIVERSITY OF CALIFORNIA SANTA BARBARA, CA 93106 | N/A GOV | TO BUILD AN INTERDISCIPLINARY COMMUNITY OF RESEARCHERS AND STUDENTS AT THE INTERFACE OF PHYSICS AND BIOLOGY, WHICH BREAKS DOWN BARRIERS BETWEEN DISCIPLINES AND SEEKS TO EXPAND THE INTELLECTUAL REACH OF PHYSICS INTO FUNDAMENTAL PROBLEMS OF "LIVING MATTER". | 556,250. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 190 DOE LIBRARY BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF PROJECT JUPYTER'S GOAL TO CREATE OPEN SOFTWARE TOOLS FOR INTERACTIVE SCIENTIFIC COMPUTING AND DATA SCIENCE IN RESEARCH, EDUCATION AND INDUSTRY WITH AN EMPHASIS ON COLLABORATION AND REPRODUCIBILITY. | 500,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 366 LECONTE HALL, MC 7300 BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF LEADING-EDGE RESEARCH TO DEVELOP NEW EXPERIMENTAL APPROACHES TO STUDYING QUANTUM MATERIALS WITH TERAHERTZ SPECTROSCOPY. | 357,586. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 366 LECONTE HALL, MC 7300 BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF THE MOORE POSTDOCTORAL SCHOLARS IN THEORY OF QUANTUM MATERIALS PROGRAM AT UNIVERSITY OF CALIFORNIA, BERKELEY. | 190,000. |
| REGENTS OF THE UNIVERSITY OF COLORADO 1111 ENGINEERING DRIVE BOULDER, CO 80309 | N/A GOV | IN SUPPORT OF THE INVENTION OF AN OPTICAL METAMATERIAL AS A NEW GREENHOUSE ENVELOPE MATERIAL. | 225,000. |
| REGENTS OF THE UNIVERSITY OF COLORADO 390 UCB UNIVERSITY OF COLORADO BOULDER, CO 80309-0390 | N/A GOV | IN SUPPORT OF LEADING-EDGE RESEARCH TO DEVELOP NOVEL SOFT X-RAY SOURCES AND METHODS TO STUDY QUANTUM MATERIALS WITH HIGH SPATIAL AND TEMPORAL RESOLUTION AND WITH CHEMICAL SPECIFICITY. | 360,000. |
| REGENTS OF THE UNIVERSITY OF COLORADO 390 UCB UNIVERSITY OF COLORADO BOULDER, CO 80309-0390 | N/A GOV | IN SUPPORT OF THE DEVELOPMENT OF TECHNOLOGY-ENABLED ASSESSMENT PROTOTYPES THAT HAVE THE POTENTIAL TO CHANGE HOW CHILDREN'S SCIENCE LEARNING IS MEASURED AND UNDERSTOOD. | 140,000. |
| REGENTS OF THE UNIVERSITY OF CONNECTICUT 438 WHITNEY ROAD EXTENSION, UNIT 1133 STORRS, CT 06269-1133 | N/A GOV | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 186,662. |
| REGENTS OF THE UNIVERSITY OF MICHIGAN 1111 E CATHERINE STREET ANN ARBOR, MI 48109 | N/A GOV | IN SUPPORT OF A WHITE PAPER AND EXPERT CONVENING TO INTEGRATE THE CONCEPTS AND METHODOLOGIES OF A LEARNING HEALTH SYSTEM APPROACH AND MACHINE LEARNING ALGORITHMS INTO A FRAMEWORK FOR IMPROVING MEDICAL DIAGNOSIS. | 205,637. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK W5510 MELVILLE LIBRARY STONY BROOK, NY 11794 | N/A PC | IN SUPPORT OF USING A NEW COMBINATION OF HIGH-RESOLUTION CHEMICAL SIGNATURE ANALYSIS AND ADVANCED MICROSCOPY TECHNOLOGIES TO TRACK CARBON FLOW AT VERY FINE SCALES AMONG MARINE MICROBES, VIRUSES, AND PARTICLES. | 400,683. |
| RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK W5510 MELVILLE LIBRARY STONY BROOK, NY 11794 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 180,207. |
| RESOURCES LEGACY FUND 555 CAPITOL MALL, SUITE 1095 SACRAMENTO, CA 95814 | N/A PC | TO SUPPORT LANDSCAPE-SCALE CONSERVATION IN PRIORITY BAY AREA REGIONS WITH LONG-TERM STEWARDSHIP OF THOSE CONSERVED LANDS THROUGH STRATEGIC PRE-ACQUISITION, PLANNING, FINANCING, POLICY, AND COLLABORATIVE SUPPORT. | 375,000. |
| RESOURCES LEGACY FUND 555 CAPITOL MALL, SUITE 1095 SACRAMENTO, CA 95814 | N/A PC | TO PROVIDE SUPPORT FOR METRICS, ACCOUNTABILITY, PERMIT COORDINATION AND OTHER EFFORTS TO ENSURE PROGRESS ON SAN FRANCISCO BAYLANDS CONSERVATION. | 500,000. |
| ROCKEFELLER PHILANTHROPY ADVISORS, INC. 6 WEST 48TH STREET, 10TH FLOOR NEW YORK, NY 10036 | N/A PC | IN SUPPORT OF THE FUND FOR SHARED INSIGHT, A COLLABORATIVE EFFORT TO INCREASE THE IMPACT OF PHILANTHROPY. | 250,000. |
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY 136 FRELINGHUYSEN ROAD PISCATAWAY, NJ 08854 | N/A GOV | IN SUPPORT OF RESEARCH TARGETING DISCOVERY OF NEW MATERIALS EXHIBITING MESOSCOPIC TOPOLOGICAL CHARGE, SPIN, AND/OR LATTICE STRUCTURE. | 350,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY 136 FRELINGHUYSEN ROAD PISCATAWAY, NJ 08854 | N/A GOV | IN SUPPORT OF RESEARCH TARGETING DISCOVERY OF NEW MATERIALS EXHIBITING EMERGENT PHENOMENA SUCH AS UNCONVENTIONAL SUPERCONDUCTIVITY AND ANOMALOUS QUANTUM HALL EFFECT. | 200,000. |
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY ASB III - 3 RUTGERS PLAZA NEW BRUNSWICK, NJ 08901 | N/A GOV | IN SUPPORT OF ELUCIDATING THE FUNDAMENTAL PRINCIPLES THAT GOVERN SMALL-SCALE INTERACTIONS BETWEEN VIRUSES AND THEIR MICROBIAL HOSTS, MICROBES AND INFORMATION-CONTAINING MOLECULES, AND MICROBES AND THE OCEAN ENVIRONMENT'AND THE SUBSEQUENT MANIFESTATION OF THESE INTERACTIONS ON MARINE ECOSYSTEM PROCESSES. | 267,670. |
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY 136 FRELINGHUYSEN RD PISCATAWAY, NJ 08854 | N/A GOV | IN SUPPORT OF NOVEL APPROACHES TO THE SYNTHESIS OF ARTIFICIAL QUANTUM MATERIALS AND INVESTIGATIONS OF NOVEL PHENOMENA AWAY FROM EQUILIBRIUM IN THESE MATERIALS. | 400,000. |
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY 136 FRELINGHUYSEN RD PISCATAWAY, NJ 08854 | N/A GOV | IN SUPPORT OF A "SUBSTRATE-ON-DEMAND" PROGRAM, WHICH WILL ACCELERATE DISCOVERY BY PROVIDING RESEARCHERS IN THE QUANTUM MATERIALS COMMUNITY WITH CUSTOM-DESIGNED SUBSTRATES FOR THIN-FILM GROWTH OF NOVEL QUANTUM MATERIALS. | 400,000. |
| RUTGERS UNIVERSITY FOUNDATION 7 COLLEGE AVENUE - WINANTS HALL NEW BRUNSWICK, NJ 08901-1261 | N/A PC | TO SUPPORT AN EFFORT TO DESIGN AND CONSTRUCT NOVEL PEPTIDES THAT ARE CAPABLE OF TRANSFERRING ELECTRONS IN ARTIFICIAL SYSTEMS. FUNDING WILL BE USED TO CONSTRUCT NEW OXIDOREDUCTASE PEPTIDES FROM SCRATCH WITH THE OVERARCHING GOAL OF UNDERSTANDING THE EVOLUTION OF THESE ENZYMES FROM SIMPLE COMPONENTS. | 1,050,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SAN DIEGO STATE UNIVERSITY FOUNDATION 5250 CAMPANILE DRIVE SAN DIEGO, CA 92182-1931 | N/A SO III FI | IN SUPPORT OF THE DEVELOPMENT OF FUNCTIONAL GENOMIC ANALYSES OF UNKNOWN VIRAL GENES AND NEW TECHNOLOGIES TO MEASURE SMALL AMOUNTS OF HEAT ARISING FROM VIRUS-HOST INTERACTIONS THAT WILL PROVIDE NEW INSIGHTS INTO THE ROLES OF VIRUSES IN CORAL AND MARINE SNOW ECOSYSTEMS. | 430,079. |
| SANTA CLARA VALLEY OPEN SPACE AUTHORITY 33 LAS COLINAS LANE SAN JOSE, CA 95119 | N/A GOV | TO SUPPORT PERMANENT PROTECTION OF THE HORSTMAYER PROPERTY IN SANTA CLARA COUNTY, AN IMPORTANT PROPERTY FOR WATER RESOURCES, HABITAT, AND REGIONAL CONNECTIVITY. | 900,000. |
| SAVE THE REDWOODS LEAGUE 111 SUTTER STREET 11TH FLOOR SAN FRANCISCO, CA 94104 | N/A PC | TO SUPPORT PERMANENT PROTECTION OF THE MCAPIN RANCH IN SONOMA COUNTY, THE LARGEST UNPROTECTED OLD-GROWTH REDWOOD FOREST REMAINING. | 2,300,000. |
| SCIENCECOUNTS, INC. 529 14TH STREET, NW SUITE 1050 WASHINGTON, DC 20045 | N/A PC | IN SUPPORT OF RAISING VOICES FOR SCIENCE, A COMPREHENSIVE INITIATIVE TO BOLSTER PUBLIC INVOLVEMENT IN PROMOTING FEDERAL SUPPORT FOR SCIENTIFIC RESEARCH. | 200,000. |
| SEMPERVIRENS FUND 419 SOUTH SAN ANTONIO ROAD, SUITE 211 LOS ALTOS, CA 94022-3640 | N/A PC | TO SUPPORT PERMANENT PROTECTION OF THE 106-ACRE FLANDERS PROPERTY, WHICH WILL DIRECTLY PROTECT COAST REDWOOD FORESTLANDS AND THE HEADWATERS TO QUESARIA CREEK AND CONNECT THREE LARGE, CONTIGUOUS PROTECTED AREAS TOTALING OVER 17,500 ACRES IN THE SANTA CRUZ MOUNTAINS. | 660,000. |
| SILICON VALLEY COMMUNITY FOUNDATION 2440 WEST EL CAMINO REAL, SUITE 300 MOUNTAIN VIEW, CA 94040 | N/A PC | TO SUPPORT WILD SALMON CONSERVATION IN KAMCHATKA. | 2,200,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| SMITHSONIAN INSTITUTION OFFICE OF THE COMPTROLLER 60 GARDEN STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF CRITICAL NEW ELEMENTS OF THE EVENT HORIZON TELESCOPE--A GLOBAL NETWORK OF RADIO DISHS THAT FORMS AN EARTH-SIZED VIRTUAL TELESCOPE AIMED AT TAKING THE FIRST IMAGES OF THE EVENT HORIZON OF A SUPERMASSIVE BLACK HOLE. | 680,000. |
| SOCIEDAD PERUANA DE DERECHO AMBIENTAL PROL. ARENALES NO. 437 LIMA LIMA PERU 27 | N/A PC | TO INCREASE CONSOLIDATION CONDITIONS FOR THE UPPER PURUS MOSAIC CONTAINING HIGHLY DIVERSE PROTECTED AREAS AND INDIGENOUS LANDS, AND COVERING MORE THAN 6.3 MILLION HECTARES OF INTACT AMAZON FOREST. | 180,000. |
| SOCIEDAD PERUANA DE DERECHO AMBIENTAL PROL. ARENALES NO. 437 LIMA LIMA PERU 27 | N/A PC | TO SUPPORT THE IMPLEMENTATION OF SUSTAINABLE FINANCE MECHANISMS AND LONG-TERM DURABILITY CONDITIONS FOR NATIONAL AND SUBNATIONAL PROTECTED AREAS SYSTEMS IN PERU. | 765,000. |
| SOCIETY TO IMPROVE DIAGNOSIS IN MEDICINE, INC. 1501 HINMAN AVENUE EVANSTON, IL 60201 | N/A PC | IN SUPPORT OF A NATIONAL AWARENESS AND ENGAGEMENT CAMPAIGN FOR DIAGNOSTIC SAFETY AND QUALITY PRIMARILY TARGETING HEALTHCARE SYSTEMS AND CLINICIANS. | 1,336,527. |
| SOCIETY TO IMPROVE DIAGNOSIS IN MEDICINE, INC. 1501 HINMAN AVENUE EVANSTON, IL 60201 | N/A PC | TO SUPPORT THE MARKET ANALYSIS AND DEVELOPMENT OF A BUSINESS PLAN FOR A DATA REGISTRY PLATFORM FOCUSED ON DIAGNOSIS. | 639,027. |
| SOCIETY TO IMPROVE DIAGNOSIS IN MEDICINE, INC. 1501 HINMAN AVENUE EVANSTON, IL 60201 | N/A PC | TO SUPPORT IMPLEMENTATION OF THE PATIENT SAFETY TRANSFORMATION MODEL TO DEVELOP TOOLS AND TECHNIQUES THAT EFFECTIVELY IMPROVE THE SAFETY OF THE DIAGNOSTIC PROCESS. | 725,100. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SOCIETY TO IMPROVE DIAGNOSIS IN MEDICINE, INC. 1501 HINMAN AVENUE EVANSTON, IL 60201 | N/A PC | IN SUPPORT OF MULTI-ORGANIZATIONAL EFFORTS TO INCREASE AWARENESS OF DIAGNOSTIC ERROR, IDENTIFY, EVALUATE AND DISSEMINATE TOOLS THAT REDUCE HARM, AND TO CREATE A DIAGNOSTIC ERRORS RESEARCH ROADMAP. | 5,000. |
| SONOMA COUNTY REGIONAL PARKS FOUNDATION 2300 COUNTY CENTER DRIVE #120A SANTA ROSA, CA 95403 | N/A SO I | TO PROVIDE IMPORTANT SCIENTIFIC RESOURCES AND NATURAL RESOURCE CAPACITY TO SONOMA COUNTY REGIONAL PARKS IN ORDER TO ENHANCE BIODIVERSITY AND ECOLOGICAL FUNCTION ON OVER 11,000 ACRES OF OPEN SPACE. | 50,000. |
| SONOMA LAND TRUST 822 FIFTH STREET SANTA ROSA, CA 95404 | N/A PC | TO SUPPORT PERMANENT PROTECTION OF 1,380 ACRES OF HOWLETT RANCH, WHICH CONTAINS SOME OF THE LAST PRIVATELY HELD, INTACT OLD-GROWTH REDWOOD/DOUGLAS-FIR FOREST IN THE BAY AREA. | 1,280,000. |
| SONOMA LAND TRUST 822 FIFTH STREET SANTA ROSA, CA 95404 | N/A PC | TO STRENGTHEN THE HABITAT PROTECTION AND FUNCTIONALITY OF THE REGIONALLY-SIGNIFICANT MARIN COAST TO BLUE RIDGE CRITICAL LINKAGE THROUGH LAND ACQUISITION, EASEMENTS, AND PERMEABILITY IMPROVEMENTS. | 500,000. |
| SPACE SCIENCE INSTITUTE 4750 WALNUT STREET SUITE 205 BOULDER, CO 80301 | N/A PC | IN SUPPORT OF THE DEVELOPMENT AND DISTRIBUTION OF ECLIPSE EDUCATION KITS THAT INCLUDE SAFE ECLIPSE VIEWING GLASSES AND EDUCATIONAL MATERIALS AND GUIDANCE FOR PUBLIC LIBRARIES ACROSS THE COUNTRY THAT WILL SERVE AS CENTERS FOR ECLIPSE EDUCATION AND VIEWING. | 43,003. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| STOCKHOLM RESILIENCE CENTRE STOCKHOLM UNIVERSITY, KRÄFTTRIKET 2B STOCKHOLM SWEDEN SE-106 91 | N/A PC | TO DEEPEN AND IMPLEMENT SEABOS MEMBER COMMITMENTS WHICH RESULTED FROM THE INITIAL KEYSTONE DIALOGUE IN NOVEMBER 2016. | 367,000. |
| SURFRIDER FOUNDATION PO BOX 6010 SAN CLEMENTE, CA 92674-6010 | N/A PC | TO SUPPORT IMPLEMENTATION OF THE NATIONAL OCEAN POLICY AND OCEAN PLANNING ON THE EASTERN COAST OF THE UNITED STATES. | 249,747. |
| T. BUCK SUZUKI ENVIRONMENTAL FOUNDATION #100 - 326 12TH STREET NEW WESTMINSTER BC CANADA V3M 4H6 | N/A PC | FOR THE COMMERCIAL FISHING SECTOR'S SUPPORT FOR OCEAN PLANNING. | 112,050. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 348 VIA PUEBLO MALL, STANFORD UNIVERSITY STANFORD, CA 94305-4090 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A NOVEL REVOLUTIONARY TECHNICAL APPROACH TO PARTICLE ACCELERATOR DESIGN THAT HOLDS THE PROMISE OF EXPANDING EXPLORATION OF THE PHYSICS ENERGY FRONTIER, ENABLING NEW TABLE TOP PHYSICS, OPENING UP ATTOSECOND SCIENCE AND DAMAGE-FREE TIME-RESOLVED, MOLECULAR DYNAMICS. | 5,134,099. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO VARIAN PHYSICS BUILDING, 382 VIA PUEBLO MALL STANFORD, CA 94305-4060 | N/A PC | IN SUPPORT OF DISCOVERY-DRIVEN RESEARCH ON STRONGLY CORRELATED ELECTRON SYSTEMS AND THE DEVELOPMENT OF NEW EXPERIMENTAL TOOLS FOR INVESTIGATIONS OF COMPLEX MATERIALS. | 269,871. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 496 LOMITA MALL STANFORD, CA 94305 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF AN OPTICAL TECHNIQUE TO EFFICIENTLY SEPARATE CHIRAL MOLECULES. | 225,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO VARIAN PHYSICS BUILDING, 382 VIA PUEBLO MALL STANFORD, CA 94305-4060 | N/A PC | IN SUPPORT OF THE MOORE POSTDOCTORAL AND VISITING SCHOLARS IN THEORY OF QUANTUM MATERIALS PROGRAM AT STANFORD UNIVERSITY. | 400,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO VARIAN PHYSICS BUILDING, 382 VIA PUEBLO MALL STANFORD, CA 94305-4060 | N/A PC | TO SUPPORT THE DEVELOPMENT AND IMPLEMENTATION OF NOVEL PHOTOELECTRON SPECTROSCOPY AND MICROWAVE IMPEDANCE MICROSCOPY TOOLS FOR INVESTIGATIONS OF COMPLEX MATERIALS. | 720,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 348 VIA PUEBLO MALL, STANFORD UNIVERSITY STANFORD, CA 94305-4090 | N/A PC | IN SUPPORT OF RESEARCH TARGETING SYNTHESIS AND INVESTIGATIONS OF NOVEL MATERIALS EXHIBITING EXOTIC TYPES OF ELECTRONIC SELF-ORGANIZATION, PARTICULARLY ELECTRONIC NEMATIC AND CHARGE DENSITY WAVE ORDERS. | 320,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 473 VIA ORTEGA STANFORD, CA 94305 | N/A PC | TO INCORPORATE ECOSYSTEM-BASED WATERSHED MANAGEMENT IN REGIONS THAT SUPPLY WATER TO RAPIDLY-GROWING AMAZONIAN URBAN CENTERS AND TO MITIGATE WATER-RELATED RISKS. | 600,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO VARIAN PHYSICS BUILDING, 382 VIA PUEBLO MALL STANFORD, CA 94305-4060 | N/A PC | IN SUPPORT OF A COLLABORATION AMONG STANFORD UNIVERSITY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, FRIEDRICH-ALEXANDER UNIVERSITY (GERMANY) AND THE TECHNOLOGY UNIVERSITY OF DELFT (NETHERLANDS) TO CONTINUE DEVELOPMENT OF A PROTOTYPE QUANTUM ELECTRON MICROSCOPE THAT USES QUANTUM PHYSICS TO IMAGE BIOLOGICAL SAMPLES WITH GREATLY REDUCED DAMAGE. | 4,000,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 348 VIA PUEBLO MALL, STANFORD UNIVERSITY | N/A | IN SUPPORT OF LEADING-EDGE RESEARCH TO DISCOVER MATERIALS WITH NEW FUNCTIONALITY BY EXPLOITING ATOMICALLY-THIN 2D-MATERIALS COMBINED AS HETEROSTRUCTURES AND LAYERED MATERIALS. | 405,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| STANFORD, CA 94305-4090 | PC | | |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 318 CAMPUS DRIVE, CLARK CENTER, ROOM S170 STANFORD, CA 94305-5444 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF LOW-COST TOOLS FOR MICROSCOPY AND THE DEVELOPMENT OF CORRESPONDING EDUCATIONAL MATERIALS TO ENABLE EFFECTIVE USE IN A VARIETY OF SETTINGS. | 357,400. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 348 VIA PUEBLO MALL, STANFORD UNIVERSITY STANFORD, CA 94305-4090 | N/A PC | IN SUPPORT OF RESEARCH TARGETING THE SYNTHESIS AND DISCOVERY OF NEW EMERGENT PHENOMENA ARISING AT THE INTERFACE BETWEEN QUANTUM MATERIALS. | 350,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 450 SERRA MALL STANFORD, CA 94305 | N/A PC | TO SUPPORT DEVELOPMENT OF AN INTEGRATED METHOD FOR DETERMINATION OF THE STRUCTURE AND DYNAMICS OF GROUNDWATER SYSTEMS WITH HIGH SPATIAL RESOLUTION AND WIDE AREAL COVERAGE. THE METHOD IS BASED ON INTERFEROMETRIC SYNTHETIC APERTURE RADAR (INSAR), AIRBORNE GEOPHYSICAL SENSOR (SKYTEM), AND MACHINE LEARNING ALGORITHMS FOR DATA ANALYSIS AND INTEGRATION, AND WILL BE USED TO STUDY GROUNDWATER SYSTEMS IN PARTS OF THE CALIFORNIA CENTRAL VALLEY. | 775,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 473 VIA ORTEGA, ROOM 140 STANFORD, CA 94305-4216 | N/A PC | IN SUPPORT OF INTERDISCIPLINARY RESEARCH TO ADVANCE THE UNDERSTANDING OF THE MAIN SOURCES AND SINKS IN THE GLOBAL CYCLE OF METHANE. | 770,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO | N/A | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL SUPPORT THE FUNDAMENTAL DEVELOPMENT OF DEEPDIVE AND ITS ASSISTANCE IN THE NATURAL SCIENCES, INCLUDING DEVELOPMENT OF THE CORE ENGINE AND ITS | 300,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| 353 SERRA MALL, GATES 305 STANFORD, CA 94305 | PC | TOOLS, WHILE ALSO ENABLING RESEARCH COLLABORATIONS IN PALEOBIOLOGY, GEOSCIENCES, AND GENOMICS. | |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 3172 PORTER DRIVE PALO ALTO, CA 94304-1212 | N/A PC | TO SUPPORT THE DEVELOPMENT AND PILOT TESTING OF PRESENCE 5, A SET OF EXPERT-RECOMMENDED, EVIDENCE-BASED PRACTICES FOR PROMOTING CLINICIAN PRESENCE. | 835,903. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO MAIL STOP-5120, STANFORD UNIVERSITY STANFORD, CA 94305 | N/A PC | IN SUPPORT OF THE COLLABORATIVE PROJECT UNRAVELING THE SECOND SECRET OF LIFE: ARE ALL PROTEINS ALLOSTERIC? PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 371 SERRA MALL STANFORD, CA 94305-6030 | N/A PC | IN SUPPORT OF A SCOPING PHASE AND, IF FEASIBLE, AN ECOSYSTEM SERVICES APPROACH TO INFORMING PLANNING AND CONSERVATION DECISIONS FOR A SPECIFIC AREA ON THE SAN FRANCISCO BAY AREA COASTLINE, IN COORDINATION WITH LOCAL PARTNERS. | 505,436. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 348 VIA PUEBLO MALL, STANFORD UNIVERSITY STANFORD, CA 94305-4090 | N/A PC | IN SUPPORT OF RESEARCH TO PRODUCE REFLECTIVE OPTICAL COATINGS WITH LOW THERMAL NOISE, FOR USE IN GRAVITATIONAL WAVE DETECTORS. | 350,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 1901 S FIRST STREET, SUITE A CHAMPAIGN, IL 61820 | N/A GOV | IN SUPPORT OF LEADING-EDGE RESEARCH TO DEVELOP AN ELECTRON SCATTERING INSTRUMENT TO STUDY THE LOW-ENERGY BOSONIC EXCITATIONS THOUGHT TO PLAY AN IMPORTANT ROLE IN THE EMERGENCE OF NOVEL PHENOMENA IN QUANTUM MATERIALS. | 416,274. |
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 1901 S FIRST STREET, SUITE A CHAMPAIGN, IL 61820 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT QUANTIFICATION OF THE WNT MORPHOGEN GRADIENT IN HYDRA AND MECHANICALLY-INDUCED SYMMETRY BREAKING PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 1240 W. HARRISON STREET CHICAGO, IL 60607-7137 | N/A GOV | IN SUPPORT OF THE DEVELOPMENT OF A FRAMEWORK AND PROTOTYPES FOR NEW ASSESSMENTS THAT MEASURE SCIENTIFIC REASONING PRACTICES. | 244,615. |
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 1901 S FIRST STREET, SUITE A CHAMPAIGN, IL 61820 | N/A GOV | IN SUPPORT OF AN INTEGRATED EXPERIMENTAL FACILITY FOR SYNTHESIS AND INVESTIGATIONS OF MATERIALS USING TECHNIQUES OF MOLECULAR BEAM EPITAXY, SCANNING TUNNELING MICROSCOPY, ANGLE-RESOLVED PHOTOEMISSION SPECTROSCOPY AND MOMENTUM-RESOLVED ELECTRON ENERGY-LOSS SPECTROSCOPY. | 300,000. |
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 1110 WEST GREEN STREET | N/A | IN SUPPORT OF THE MOORE POSTDOCTORAL SCHOLARS IN THEORY OF QUANTUM MATERIALS PROGRAM AT THE UNIVERSITY OF ILLINOIS. | 310,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| URBANA, IL 61801-3080 | GOV | | |
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 304 W SPRINGFIELD AVENUE URBANA, IL 61801 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT A TUNABLE MICROFLUIDIC PLATFORM FOR OBSERVING LONG TERM MICROBIAL COMMUNITY DYNAMICS PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOI 1205 W CLARK STREET URBANA, IL 61801 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL SUPPORT DEVELOPING INFRASTRUCTURE FOR TRANSFORMING THE PROCESS OF DISCOVERY THROUGH SEMANTICALLY-AWARE, ANALYSIS AND VISUALIZATION OF DATA FROM THE PHYSICAL SCIENCES. | 300,000. |
| THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVER 16 MILL LANE CAMBRIDGE UNITED KINGDOM CB2 1SB | N/A PC | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS. | 163,140. |
| THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVER 16 MILL LANE CAMBRIDGE UNITED KINGDOM CB2 1SB | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 170,545. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| THE DRAPER RICHARDS KAPLAN FOUNDATION 1600 EL CAMINO REAL SUITE 155 MENLO PARK, CA 94025 | N/A POF | TO PROVIDE DIRECT SUPPORT AND PORTFOLIO SUPPORT TO ONE OR MORE ORGANIZATIONS IN THEIR PURSUIT OF INNOVATIONS TO IMPROVE THE EXPERIENCE AND/OR OUTCOMES OF PATIENT CARE. | 100,000. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF PLANNING AND DESIGNING PUBLIC AND TICKETED OUTDOOR SPACE AND PRIORITIZING PROGRAMMATIC CONTENT. | 425,370. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF A SPANISH-LANGUAGE GLOBAL BROADCAST OF THE AUGUST 2017'S TOTAL SOLAR ECLIPSE. | 100,069. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF EXHIBIT REFURBISHMENT WITH THE GOAL OF GREATER ENGAGEMENT FOR GIRLS. | 450,105. |
| THE FRANKFURT ZOOLOGICAL SOCIETY BERNHARD-GRZIMEK-ALLEE 1 FRANKFURT GERMANY 60316 | N/A PC | TO INCREASE CONSOLIDATION CONDITIONS FOR THE UPPER PURUS MOSAIC CONTAINING HIGHLY DIVERSE PROTECTED AREAS AND INDIGENOUS LANDS, AND COVERING MORE THAN 6.3 MILLION HECTARES OF INTACT AMAZON FOREST. | 300,000. |
| THE OHIO STATE UNIVERSITY 140 WEST 18TH AVENUE COLUMBUS, OH 43210-1173 | N/A GOV | IN SUPPORT OF A SMALL TELESCOPE NETWORK CAPABLE OF MONITORING THE ENTIRE VISIBLE SKY EVERY NIGHT. | 724,179. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| THE OHIO STATE UNIVERSITY 1960 KENNY ROAD COLUMBUS, OH 43210-1016 | N/A GOV | IN SUPPORT OF THE COLLABORATIVE PROJECT QUANTIFICATION OF THE WNT MORPHOGEN GRADIENT IN HYDRA AND MECHANICALLY-INDUCED SYMMETRY BREAKING PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| THE OHIO STATE UNIVERSITY 1960 KENNY ROAD COLUMBUS, OH 43210 | N/A GOV | IN SUPPORT OF DEVELOPING NOVEL WAYS OF "SEEING" AND UNDERSTANDING VIRUSES IN THE LABORATORY AND NATURE. | 60,204. |
| THE PENNSYLVANIA STATE UNIVERSITY 201 OLD MAIN UNIVERSITY PARK, PA 16802 | N/A GOV | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, ANDREA YEVCHAK SILLNER, IN HER PROJECT TO DEVELOP ASSESSMENT ITEMS THAT ALLOW CLINICAL PROVIDERS TO BETTER ASSESS AND THEN INTEGRATE PATIENT PREFERENCES FOR TECHNOLOGY COMMUNICATION STRATEGIES INTO PLANS OF CARE. | 168,181. |
| THE PENNSYLVANIA STATE UNIVERSITY 201 OLD MAIN UNIVERSITY PARK, PA 16802 | N/A GOV | IN SUPPORT OF DESIGN AND DEVELOPMENT OF HIGH-EFFICIENCY QUANTUM LIGHT SOURCES ON-A-CHIP TO DRIVE PROGRESS IN QUANTUM COMPUTING AND QUANTUM INFORMATION PROCESSING. | 225,000. |
| THE SENSE OF SILENCE FOUNDATION AIGUA 186, 08800 VILANOVA LA GELTRÚ | N/A | TO SUPPORT THE DEVELOPMENT OF PROVIDENCE, A DISTRIBUTED, WIRELESS SENSOR NETWORK FOR MONITORING BIODIVERSITY UNDER THE AMAZON CANOPY. | 102,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| BARCELONA SPAIN | PC | | |
| THE TEXAS A&M UNIVERSITY SYSTEM 580 ROSS STREET COLLEGE STATION, TX 77843 | N/A GOV | IN SUPPORT OF THE INVENTION OF A NEW CLASS OF SEMICONDUCTOR NANOCRYSTALS TO RECTIFY PHOTON TRANSPORT. | 225,000. |
| THE TOWER FOUNDATION OF SAN JOSE STATE UNIVERSITY ONE WASHINGTON SQUARE SAN JOSE, CA 95192-0184 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 179,190. |
| THE WILDLANDS CONSERVANCY 39611 OAK GLEN ROAD, BUILDING 12 OAK GLEN, CA 92399 | N/A PC | TO ESTABLISH PUBLIC ACCESS TO THE 5,630-ACRE JENNER HEADLANDS PRESERVE AND THE 238-ACRE POLE MOUNTAIN PRESERVE, WHICH WILL PROVIDE VISITORS WITH AN OPPORTUNITY TO EXPERIENCE THIS AREA OF THE PICTURESQUE SONOMA COAST IN A MANNER CONSISTENT WITH HABITAT PRESERVATION. | 196,000. |
| THIRD SECTOR NEW ENGLAND, INC. THE NONPROFIT CENTER, 89 SOUTH STREET, SUITE 202 BOSTON, MA 02111 | N/A PC | TO PROVIDE SUPPORT FOR OCEAN POLICY ANALYSIS AND INFORMATION. | 239,173. |
| THIRD SECTOR NEW ENGLAND, INC. THE NONPROFIT CENTER, 89 SOUTH STREET, SUITE 202 BOSTON, MA 02111 | N/A PC | TO SUPPORT THE NORTHEAST REGIONAL PLANNING BODY'S DEVELOPMENT OF A REGIONAL OCEAN PLAN THAT ADDRESSES ITS GOALS OF HEALTHY OCEANS AND COASTS, EFFECTIVE DECISION MAKING, AND COMPATIBILITY AMONG PAST, PRESENT AND FUTURE USES; TO SUPPORT THE FIRST YEAR OF THE PLAN'S IMPLEMENTATION; AND TO ENSURE THE PROCESS IS UNDERPINNED BY AN EFFECTIVE STAKEHOLDER INVOLVEMENT PROCESS. | 1,098,369. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| TIDES CANADA FOUNDATION 400-163 HASTINGS STREET VANCOUVER BC CANADA V6B 1H5 | N/A PC | TO SUPPORT THE RESILIENCE OF INUIT COMMUNITIES IN NUNAVUT TO ENSURE THE DURABILITY OF HEALTHY OCEAN ECOSYSTEM SOLUTIONS. | 590,415. |
| TIDES CANADA FOUNDATION 400-163 HASTINGS STREET VANCOUVER BC CANADA V6B 1H5 | N/A PC | TO SUPPORT IMPLEMENTATION OF THE MARINE PLANNING PARTNERSHIP (MAPP) OCEAN PLAN TO PROTECT THE MARINE ENVIRONMENT, CREATE OPPORTUNITIES FOR SUSTAINABLE ECONOMIC DEVELOPMENT, AND SUPPORT THE WELL-BEING OF COASTAL COMMUNITIES. | 2,700,000. |
| TIDES CANADA FOUNDATION 400-163 HASTINGS STREET VANCOUVER BC CANADA V6B 1H5 | N/A PC | TO SUPPORT THE BRITISH COLUMBIA MARINE PLANNING FUND AND THE BRITISH COLUMBIA COMMUNITY-BASED MARINE CONSERVATION FUND (COLLECTIVELY, THE COMMUNITY ADVISED FUNDS), TWO COMMUNITY ADVISED FUNDS THAT PROVIDE AGILE MECHANISMS FOR TIMELY, SMALL-SCALE INVESTMENTS IN ACTIVITIES AIMED AT SECURING CONSERVATION AND SUSTAINABLE USE THROUGH OCEAN PLANNING IN BRITISH COLUMBIA. | 100,000. |
| TIDES CENTER 1014 TORNEY AVENUE SAN FRANCISCO, CA 94129 | N/A PC | TO SUPPORT THE NATIONAL POLST PARADIGM IN DEVELOPING AND DISSEMINATING A PHYSICIAN ORDERS FOR LIFE SUSTAINING TREATMENT (POLST) FORM ELEMENT GUIDE AND A NATIONAL POLST FORM. | 205,510. |
| TRANSFAIR USA 1500 BROADWAY, SUITE 400 OAKLAND, CA 94612 | N/A PC | TO STUDY, DESIGN AND EXECUTE A PILOT PROJECT TO SUPPORT CONSERVATION OF PROTECTED AREAS AND INDIGENOUS LANDS IN THE AMAZON BASIN BY PROMOTING SUSTAINABLE NATURAL RESOURCE MANAGEMENT FOR PRODUCERS THROUGH UTILIZATION OF FAIR TRADE CERTIFICATION. | 150,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| TRUST FOR PUBLIC LAND 101 MONTGOMERY STREET, SUITE 900 SAN FRANCISCO, CA 94104 | N/A PC | TO SUPPORT PERMANENT PROTECTION OF A CRITICAL PORTION OF THE LAGUNITAS CREEK WATERSHED IN MARIN COUNTY, ENABLING ENHANCED STREAM FLOW AND IMPROVED WATER QUALITY IN SAN GERONIMO AND LARSEN CREEKS. | 1,482,000. |
| TRUSTEES OF BOSTON UNIVERSITY 590 COMMONWEALTH AVENUE BOSTON, MA 02215 | N/A PC | IN SUPPORT OF THE COLLABORATIVE PROJECT WHAT IS FITNESS IN EXPANDING POPULATIONS? PROPOSED AT THE 2017 SCIALOG: MOLECULES COME TO LIFE CONFERENCE, WHERE SIX TEAM RESEARCH PROPOSALS WERE SELECTED THROUGH PEER-REVIEW FROM THIRTEEN TEAM PROPOSALS THAT FOCUSED ON CONVERGENCE SCIENCE AT THE INTERSECTION OF PHYSICS AND BIOLOGY TO ADDRESS THE NEED FOR A MORE QUANTITATIVE, THEORY-BASED UNDERSTANDING OF COMPLEX BIOLOGICAL PHENOMENA. | 56,250. |
| TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW 61 ROUTE 9W PALISADES, NY 10964-1000 | N/A PC | IN SUPPORT OF THE DEVELOPMENT AND APPLICATION OF NOVEL INSTRUMENTATION FOR AIRBORNE MEASUREMENTS OF GRAVITATIONAL FIELD STRENGTH, WHICH WILL ENABLE HIGH-RESOLUTION MAPPING OF THE SEA FLOOR BENEATH THE ROSS ICE SHELF AND OTHER MAJOR ICE SHELVES. | 220,000. |
| TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW 615 WEST 131ST STREET, ROOM 254, MAIL CODE 8725 NEW YORK, NY 10027-7922 | N/A PC | IN SUPPORT OF DEVELOPING A MICROSCALE TECHNOLOGY TO EXPLORE THE INTERACTIONS BETWEEN A MICROBE AND ITS ENDOSYMBIONT. | 350,380. |
| TRUSTEES OF DARTMOUTH COLLEGE 35 CENTERRA PARKWAY LEBANON, NH 03766 | N/A PC | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, PAUL BARR, IN HIS PROJECT TO DEVELOP AND TEST AN INTEROPERABLE SYSTEM TO FACILITATE ROUTINE TAGGED RECORDINGS WITH THE AIM OF INCREASING PATIENT AND FAMILY ENGAGEMENT. | 168,383. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| TRUSTEES OF PRINCETON UNIVERSITY 701 CARNEGIE CENTER, SUITE 435 PRINCETON, NJ 08544 | N/A PC | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL HELP CREATE NEW ALGORITHMS FOR THREE-DIMENSIONAL STRUCTURE DETERMINATION OF MACROMOLECULES BY CRYO-ELECTRON MICROSCOPY, AND WILL EXTEND THE SCOPE OF STATISTICAL ESTIMATION PROBLEMS THAT CAN BE SOLVED IN POLYNOMIAL TIME WITH PROVABLE GUARANTEES. | 300,000. |
| TRUSTEES OF PRINCETON UNIVERSITY 701 CARNEGIE CENTER, SUITE 442 PRINCETON, NJ 08540 | N/A PC | IN SUPPORT OF RESEARCH TARGETING DISCOVERY OF NOVEL SUPERCONDUCTORS AND DEVELOPMENT OF NOVEL METHODS FOR SYNTHESIS OF QUANTUM MATERIALS. | 380,000. |
| TRUSTEES OF PRINCETON UNIVERSITY 701 CARNEGIE CENTER, SUITE 442 PRINCETON, NJ 08540 | N/A PC | TO SUPPORT THE DEVELOPMENT OF A NOVEL INTRACELLULAR VEHICLE THAT CAN NAVIGATE WITHIN LIVING CELLS AND CARRY A SENSOR PAYLOAD WITH THE ABILITY TO REMOTELY MONITOR PHYSICAL CONDITIONS, CONTROL LOCAL CHEMISTRY AND ELUCIDATE BIOCHEMICAL PROCESSES. | 160,555. |
| TRUSTEES OF PRINCETON UNIVERSITY JADWIN HALL, WASHINGTON ROAD PRINCETON, NJ 08540 | N/A PC | TO SUPPORT INVESTIGATIONS OF BERRY-CURVATURE PHYSICS IN VARIOUS CLASSES OF QUANTUM MATERIALS. | 698,473. |
| TRUSTEES OF PRINCETON UNIVERSITY JADWIN HALL, WASHINGTON ROAD PRINCETON, NJ 08540 | N/A PC | TO SUPPORT INVESTIGATIONS OF THE EMERGENT ELECTRONIC PROPERTIES IN HYBRID AND NANO-ENGINEERED ARTIFICIAL QUANTUM MATERIALS. | 708,260. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| TRUSTEES OF PRINCETON UNIVERSITY JADWIN HALL, WASHINGTON ROAD PRINCETON, NJ 08540 | N/A PC | TO SUPPORT INVESTIGATIONS OF THE ELECTRONIC PROPERTIES OF QUANTUM MATERIALS BY DIRECTLY VISUALIZING ELECTRONIC WAVEFUNCTIONS, USING SCANNING PROBE AND SPECTROSCOPIC TECHNIQUES. | 164,190. |
| TRUSTEES OF PRINCETON UNIVERSITY 4 IVY LANE PRINCETON, NJ 08544 | N/A PC | TO DEVELOP AN ALL-SKY MONITORING SYSTEM TO DETECT NEAR-EARTH ASTEROIDS, STELLAR VARIATIONS, AND COSMIC EXPLOSIONS. | 500,000. |
| TRUSTEES OF PRINCETON UNIVERSITY ENGINEERING QUADRANGLE, OLDEN STREET PRINCETON, NJ 08544 | N/A PC | IN SUPPORT OF RESEARCH TARGETING SYNTHESIS AND CHARACTERIZATION OF NEW MATERIALS EXHIBITING NOVEL ELECTRONIC AND/OR MAGNETIC PROPERTIES. | 760,000. |
| TRUSTEES OF PRINCETON UNIVERSITY JADWIN HALL, WASHINGTON ROAD PRINCETON, NJ 08540 | N/A PC | IN SUPPORT OF LEADING-EDGE RESEARCH TO DEVELOP NOVEL METHODS TO FABRICATE, CHARACTERIZE, AND CONTROL QUANTUM MATERIALS AT NANOMETER LENGTH SCALES. | 663,870. |
| TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 10-122 SCTR, 3400 CIVIC CENTER BOULEVARD PHILADELPHIA, PA 19104-5158 | N/A PC | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL SUPPORT THE DEVELOPMENT OF NEW APPROACHES TO SIMPLIFY AND INTERPRET DEEP-LEARNING-DERIVED MODELS OF BIOLOGICAL DATA, AND TO DEVELOP AND RELEASE WEBSERVERS THAT PUT THESE METHODS INTO THE HANDS OF BIOLOGISTS. | 300,000. |
| TWO BLADES FOUNDATION | N/A | TO SUPPORT THE DEPLOYMENT OF A BREAKTHROUGH TECHNOLOGY, RESISTANCE GENE ENRICHMENT SEQUENCING (RENSEQ), TO UNCOVER THE FULL REPERTOIRE AND DIVERSITY OF IMMUNE RECEPTORS IN THREE GENERA OF PLANTS, WHICH HAS THE POTENTIAL TO DRAMATICALLY | 775,807. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| 1630 CHICAGO AVENUE, SUITE 19017 EVANSTON, IL 60201 | PC | INCREASE KNOWLEDGE OF HOW THESE RECEPTORS EVOLVED TO MEDIATE MICROBIAL INTERACTIONS AND DISEASE RESISTANCE. | |
| UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURA 1, RUE MIOLLIS PARIS FRANCE 75015 | N/A GOV | TO SYNTHESIZE LESSONS LEARNED FROM GLOBAL OCEAN PLANNING. | 89,270. |
| UNITED TRIBES OF BRISTOL BAY PO BOX 1252 DILLINGHAM, AK 99576 | N/A GOV | TO PROTECT THE LANDS AND WATERS THAT SUPPORT THE TRADITIONAL WAY OF LIFE OF THE INDIGENOUS PEOPLE OF BRISTOL BAY. | 520,000. |
| UNIVERSITE DE SHERBROOKE 2500, BOUL. DE L'UNIVERSITE SHERBROOKE QC CANADA J1K 2R1 | N/A PC | IN SUPPORT OF ELECTRONIC TRANSPORT MEASUREMENTS ON CUPRATE SUPERCONDUCTORS IN EXTREMELY HIGH MAGNETIC FIELDS AND HIGH PRESSURES, AIMED AT RESOLVING THE PHYSICAL ORIGIN OF THE "PSEUDOGA" PHASE. | 210,000. |
| UNIVERSITE PIERRE ET MARIE CURIE 4 PLACE JUSSIEU PARIS FRANCE 75252 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 175,500. |
| UNIVERSITE PIERRE ET MARIE CURIE 4 PLACE JUSSIEU PARIS FRANCE 75252 | N/A PC | IN SUPPORT OF BUILDING A COMMUNITY-CURATED TAXONOMIC FRAMEWORK FOR CLASSIFYING THE TREE OF LIFE FOR PROTISTS (SINGLE-CELLED EUKARYOTES). | 473,795. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| UNIVERSITY OF BRITISH COLUMBIA #103-6190 AGRONOMY ROAD VANCOUVER BC CANADA V6T 1Z3 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 175,775. |
| UNIVERSITY OF CHICAGO 920 E 58TH STREET, CLSC CHICAGO, IL 60637 | N/A PC | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL DEVELOP A FRAMEWORK FOR IMPROVED STATISTICAL METHODS COMPARISONS, AND LAY THE GROUNDWORK FOR UNDERSTANDING THE MOLECULAR MECHANISMS UNDERLYING GENE REGULATION. | 300,000. |
| UNIVERSITY OF DELAWARE 204 CANNON LAB, 700 PILOTTOWN ROAD LEWES, DE 19958 | N/A GOV | IN SUPPORT OF USING FIELDWORK AND ANALYTICAL CHEMISTRY APPROACHES TO DETERMINE HOW JUVENILE CORAL AND REEF FISH SELECT HABITATS IN THE CARIBBEAN SEA. RESEARCH FINDINGS WILL INFORM OCEAN PLANNING AND MANAGEMENT STRATEGIES. | 147,566. |
| UNIVERSITY OF DELAWARE 540 SOUTH COLLEGE AVENUE NEWARK, DE 19713 | N/A GOV | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, MATTHEW COHEN, IN HIS PROJECT TO IMPROVE THE CLINICAL UTILITY OF CONTENT-TAILORED PATIENT-REPORTED OUTCOME MEASURES FOR INDIVIDUALS WHO HAVE IMPAIRED COMMUNICATION ABILITIES. | 163,469. |
| UNIVERSITY OF EXETER MAIL ROOM, THE OLD LIBRARY EXETER DEVON UNITED KINGDOM EX4 4SB | N/A PC | IN SUPPORT OF USING GENETIC MODEL SYSTEMS AND ADVANCED PROTEIN ANALYSIS TOOLS TO CHARACTERIZE HOW MARINE MICROBES EXTRACT NUTRIENTS FROM SEAWATER. | 200,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| UNIVERSITY OF FLORIDA BOARD OF TRUSTEES 219 GRINTER HALL, PO BOX 115500 GAINESVILLE, FL 32611 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL ACHIEVE A DEEPER UNDERSTANDING OF HOW TO FORECAST CHANGES IN ECOLOGICAL SYSTEMS AND HELP FACILITATE AND ESTABLISH DATA-INTENSIVE RESEARCH IN ECOLOGY. | 300,000. |
| UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC. 310 EAST CAMPUS ROAD, TUCKER HALL, ROOM 411 ATHENS, GA 30602 | N/A PC | IN SUPPORT OF USING ADVANCED ANALYTICAL INSTRUMENTATION AND PROTEIN CHARACTERIZATION TOOLS TO MEASURE THE FLUX OF NUTRIENTS EXCHANGED BETWEEN MARINE MICROBES. | 453,222. |
| UNIVERSITY OF GOTHENBURG MEDICINAREGATAN 18 A, BOX 463 GOTEBORG SWEDEN | N/A PC | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS. | 328,390. |
| UNIVERSITY OF HAWAII 2440 CAMPUS ROAD, BOX 368 HONOLULU, HI 96822 | N/A GOV | IN SUPPORT OF DETERMINING THE MECHANISMS THAT UNDERLIE HOW BACTERIA ENABLE A SWIMMING WORM LARVA TO SETTLE ON THE SEAFLOOR TO BECOME AN ADULT. | 359,833. |
| UNIVERSITY OF HAWAII FOUNDATION 2444 DOLE STREET, BACHMAN HALL 105 HONOLULU, HI 96822-2388 | N/A PC | IN SUPPORT OF INCREASED OPPORTUNITIES FOR COMMUNITY ENGAGEMENT IN SCIENCE AND ASTRONOMY ON THE BIG ISLAND OF HAWAII THROUGH NEW AND EXPANDED PROGRAMMING IN CULTURE-BASED SCIENCE EDUCATION. | 457,440. |
| UNIVERSITY OF HAWAII FOUNDATION 2444 DOLE STREET, BACHMAN HALL 105 HONOLULU, HI 96822-2388 | N/A PC | IN SUPPORT OF RESEARCH TO ADVANCE KNOWLEDGE REGARDING THE PATHWAYS, RATES, AND CONTROLS OF THE MICROBIAL PHOSPHORUS CYCLE AND ITS INEXTRICABLE LINKAGES WITH THE CARBON AND NITROGEN CYCLES. | 319,913. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| UNIVERSITY OF HAWAII FOUNDATION 2444 DOLE STREET, BACHMAN HALL 105 HONOLULU, HI 96822-2388 | N/A PC | IN SUPPORT OF RESEARCH TO ADVANCE KNOWLEDGE OF MICROBIAL DYNAMICS IN TIME AND SPACE USING NEWLY EMERGING ROBOTIC SAMPLING TECHNOLOGIES, AND OF NUTRIENT TRANSFORMATIONS ON PARTICULATE ORGANIC MATTER USING GENOMICS AND CULTIVATION TECHNIQUES. | 480,375. |
| UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC. 2385 IRVING HILL ROAD LAWRENCE, KS 66045-7568 | N/A PC | IN SUPPORT OF RESEARCH AND DEVELOPMENT OF A SCIENCE-FOCUSED INVENTION AIMED AT MAKING PEPTIDE DRUGS THAT WILL RE-SENSITIZE BACTERIA TO COMMON ANTIBIOTICS. | 225,000. |
| UNIVERSITY OF KENT THE REGISTRY, CANTERBURY CANTERBURY UNITED KINGDOM CT2 7NZ | N/A PC | IN SUPPORT OF DEVELOPING GENETIC TOOLS FOR MARINE PROTISTS. | 178,697. |
| UNIVERSITY OF LEEDS LEEDS UNITED KINGDOM LS2 9JT | N/A PC | TO ENSURE THAT THE IMPACT OF CLIMATE CHANGE ON TREE SPECIES AND FOREST FUNCTION IN PERUVIAN AMAZON PROTECTED AREAS IS EFFECTIVELY INCORPORATED INTO MANAGEMENT DECISIONS. | 250,000. |
| UNIVERSITY OF LINCOLN BRAYFORD POOL LINCOLN UNITED KINGDOM LN6 7TS | N/A PC | IN SUPPORT OF USING LABORATORY AND FIELD EXPERIMENTS, COMPUTER MODELING, ENGINEERING, AND UNDERWATER IMAGING TO ASSESS HOW FINE-SCALE VISCOSITY AFFECTS THE ABILITY OF MARINE MICROBES TO FIND AND ACQUIRE FOOD. | 751,090. |
| UNIVERSITY OF NEBRASKA BOARD OF REGENTS 220 VINE STREET, 151 WHITTIER RESEARCH CENTER LINCOLN, NE 68538-0861 | N/A GOV | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 180,225. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| UNIVERSITY OF NORTH CAROLINA 601 S COLLEGE ROAD WILMINGTON, NC 02840 | N/A GOV | IN SUPPORT OF THE LAUNCHING AND ORBITING OF INEXPENSIVE NANOSATELLITES, CALLED CUBESATS, THAT PROVIDE SUSTAINED INFORMATION ABOUT SURFACE OCEAN PROCESSES WITH HIGH SPATIAL AND TEMPORAL RESOLUTION. | 800,000. |
| UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 725 MARTIN LUTHER KING JR. BOULEVARD CHAPEL HILL, NC 27599-7590 | N/A GOV | TO IMPROVE PRIMARY CARE CLINICIANS' COMMUNICATION SKILLS IN DEMENTIA PALLIATIVE CARE. | 512,241. |
| UNIVERSITY OF SOUTHERN CALIFORNIA 3720 S FLOWER STREET LOS ANGELES, CA 90089-0706 | N/A PC | IN SUPPORT OF RESEARCH TO INVESTIGATE HOW NUTRIENT INPUTS, PREDATORS, AND VIRAL INFECTION SIMULTANEOUSLY WORK TO CONTROL MICROBIAL COMMUNITIES AND THEIR ACTIVITIES. | 431,650. |
| UNIVERSITY OF TENNESSEE 1534 WHITE AVENUE KNOXVILLE, TN 37996-1529 | N/A GOV | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 150,473. |
| UNIVERSITY OF TENNESSEE 1508 MIDDLE DRIVE KNOXVILLE, TN 37996 | N/A GOV | IN SUPPORT OF RESEARCH AIMED AT DESIGN AND DISCOVERY OF NEW LAYERED CHALCOGENIDES WITH ACTIVE SPIN DEGREES OF FREEDOM AND NOVEL CHIRAL FERROMAGNETS. | 300,000. |
| UNIVERSITY OF TEXAS SYSTEM 101 E 27TH STREET, SUITE 5.300 AUSTIN, TX 78712-1532 | N/A GOV | IN SUPPORT OF RESEARCH THAT SEEKS TO DEVELOP ATOMICALLY THIN TWO-DIMENSIONAL SILICON FOR INTEGRATION WITH TECHNOLOGY TO PROVIDE ENERGY SAVINGS IN INDUSTRIAL, CONSUMER, AND HEALTH FIELDS. | 225,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| UNIVERSITY OF TEXAS SYSTEM 5323 HARRY HINES BOULEVARD DALLAS, TX 75390 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL BE USED TO DEVELOP AND EXPERIMENTALLY TEST A NEW QUANTITATIVE DESCRIPTION OF BACTERIAL GENOMES DERIVED FROM EVOLUTIONARY STATISTICS. | 300,000. |
| UNIVERSITY OF TEXAS SYSTEM 101 E 27TH STREET, SUITE 5.300 AUSTIN, TX 78712-1532 | N/A GOV | IN SUPPORT OF A NOVEL APPROACH TO UNDERSTANDING THE ORIGIN AND EVOLUTION OF THE UNIQUE VOCAL ORGAN OF BIRDS AND THE SOUNDS THAT EXTINCT EARLY AVIAN SPECIES PRODUCED BY INTEGRATING INFORMATION FROM FOSSILS, EXPERIMENTAL PHYSIOLOGY, GENE EXPRESSION, AND SOUND MODELING. | 65,000. |
| UNIVERSITY OF UTAH 75 SOUTH 2000 EAST SALT LAKE CITY, UT 84112 | N/A GOV | TO SUPPORT THE DEVELOPMENT AND TESTING OF AN AMBULATORY PATIENT SAFETY ELECTRONIC HEALTH RECORD FLIGHT SIMULATOR TOOL. | 1,850,000. |
| UNIVERSITY OF WASHINGTON 3960 BENTON LANE NE SEATTLE, WA 98195 | N/A GOV | IN SUPPORT OF ENABLING BETTER SYNTHESIS STUDIES BY DETERMINING THE BENEFITS AND UTILITY OF CREATING A "DATA TASK FORCE" TO WORK ALONGSIDE SYNTHESIS TEAMS. THIS DATA TASK FORCE WOULD HANDLE DATA ACQUISITION AND AGGREGATION, INCLUDING IDENTIFYING CHALLENGES ASSOCIATED WITH DATA SHARING AND HOW BEST TO OVERCOME THEM. | 187,500. |
| UNIVERSITY OF WASHINGTON 4333 BROOKLYN AVENUE NE, BOX 359472 SEATTLE, WA 98195-9472 | N/A GOV | IN SUPPORT OF RESEARCH TO IDENTIFY KEY INTERACTIONS WITHIN MICROBIAL COMMUNITIES THAT INFLUENCE THE DISTRIBUTION AND ABUNDANCE OF DIATOMS WITH IMPACT ON BIOGEOCHEMICAL CYCLES. | 387,743. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| UNIVERSITY OF WASHINGTON 4333 BROOKLYN AVENUE NE, BOX 359472 SEATTLE, WA 98195-9472 | N/A GOV | IN SUPPORT OF OBTAINING AN IMPROVED UNDERSTANDING OF MICROBE-PARTICLE-CHEMICAL INTERACTIONS IN THE DARK OCEAN AND THEIR IMPACT ON BIOGEOCHEMICAL CYCLES BASED ON NOVEL MODELS THAT CROSS THE OCEAN'S SPATIAL AND TEMPORAL SCALES. | 161,842. |
| UNIVERSITY OF WASHINGTON PAUL G. ALLEN CENTER, 185 STEVENS WAY, BOX 352350 SEATTLE, WA 98195 | N/A GOV | IN SUPPORT OF DEMONSTRATING THE HIGH LEVEL OF SCIENTIFIC IMPACT THAT DATA SCIENTISTS DELIVER THROUGH THEIR FOCUS ON INTERDISCIPLINARY DATA-DRIVEN RESEARCH. FUNDS FROM THIS AWARD WILL BE USED TO ENHANCE AND ACCELERATE DATA-INTENSIVE SCIENCE THROUGH NOVEL INTERACTIVE TOOLS TO ASSESS, TRANSFORM AND VISUALIZE DATA. | 300,000. |
| UNIVERSITY OF WASHINGTON BOX 351310 SEATTLE, WA 98195-1310 | N/A GOV | IN SUPPORT OF A COMPREHENSIVE DESIGN AND COST-BENEFIT ANALYSIS OF AN OFFSHORE GEOPHYSICAL NETWORK FOR EARTHQUAKE AND TSUNAMI WARNING IN THE PACIFIC NORTHWEST. | 500,000. |
| UNIVERSITY OF WASHINGTON 4333 BROOKLYN AVENUE NE, BOX 359472 SEATTLE, WA 98195 | N/A GOV | TO SUPPORT THE DEVELOPMENT OF GUIDING PRINCIPLES AND A MEASUREMENT FRAMEWORK FOR POPULATION-BASED PAYMENT AND DELIVERY MODELS THAT CARE FOR PEOPLE WITH SERIOUS ILLNESS. | 39,375. |
| UNIVERSITY OF WASHINGTON 4333 BROOKLYN AVENUE NE, BOX 359472 SEATTLE, WA 98195-9472 | N/A GOV | TO SUPPORT DATA SCIENTISTS IN PURSUIT OF SCIENTIFIC RESEARCH ACROSS THE LIFE, PHYSICAL AND SOCIAL SCIENCES AS WELL AS EXPERIMENTATION TO IDENTIFY THE BEST METHODOLOGIES TO IMPROVE DATA SCIENCE PRACTICE WITHIN ACADEMIA. | 2,000,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| UNIVERSITY OF WASHINGTON 3910 15TH AVENUE NE SEATTLE, WA 98195-1560 | N/A GOV | IN SUPPORT OF THE MATERIALS SYNTHESIS AND CHARACTERIZATION LABORATORY OF DR. JIUN-HAW CHU, WHICH WILL TARGET THE DISCOVERY AND INVESTIGATIONS OF ATOMICALLY THIN AND LAYERED QUANTUM MATERIALS. | 750,000. |
| UNIVERSITY SYSTEM OF MARYLAND 1117 JOHN S. TOLL BUILDING, #082 COLLEGE PARK, MD 20742 | N/A GOV | IN SUPPORT OF RESEARCH AIMED AT DISCOVERING NOVEL QUANTUM MATERIALS THROUGH A COMBINATION OF EXPLORATORY SYNTHESIS, HIGH-THROUGHPUT SEMI-AUTOMATED SYNTHESIS, AND DATA MINING. | 380,000. |
| WASHINGTON UNIVERSITY 4240 DUNCAN AVENUE, SUITE 300 ST. LOUIS, MO 63130 | N/A PC | TO SUPPORT THE WORK OF PATIENT AND FAMILY ENGAGEMENT EARLY-CAREER INVESTIGATOR, ROBERTA PINEDA, IN HER PROJECT TO ENGAGE FAMILIES IN THE NEONATAL ICU BY ENABLING THEM TO PROVIDE DEVELOPMENTALLY APPROPRIATE SENSORY EXPOSURES TO OPTIMIZE OUTCOMES FOR THEIR OWN CHILDREN. | 167,495. |
| WEIZMANN INSTITUTE OF SCIENCE PO BOX 26 REHOVOT ISRAEL 76100 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 164,502. |
| WEST COAST ENVIRONMENTAL LAW RESEARCH FOUNDATION VANCOUVER BC CANADA V6J 2B3 | N/A PC | TO ADVANCE ECOLOGICAL OUTCOMES NATIONALLY IN CANADA THROUGH OCEAN POLICY. | 150,000. |
| WESTCOAST AQUATIC MANAGEMENT ASSOCIATION #3-4310 10TH AVENUE | N/A | TO SUPPORT PROGRESS TOWARDS IMPLEMENTATION OF AN OCEAN PLAN FOR THE WEST COAST VANCOUVER ISLAND. | 300,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| PORT ALBERNI BC CANADA V9Y 4X4 | PC | | |
| WGBH EDUCATIONAL FOUNDATION ONE GUEST STREET BOSTON, MA 02135 | N/A PC | IN SUPPORT OF A MULTIPLE EPISODE DIGITAL MEDIA PRODUCTION THAT EXPLORES COMPELLING, UNANSWERED SCIENTIFIC QUESTIONS AND ELABORATES ON THE CORRESPONDING SCIENTIFIC CONTENT AND THE SCIENTISTS WHO SEEK TO ANSWER THEM. | 350,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO SUPPORT THE INTERNATIONAL CONSERVATION PARTNERSHIP. | 1,800,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO CONTRIBUTE TO THE DURABILITY OF THE LOWER RIO NEGRO MOSAIC OF PROTECTED AREAS BY STRENGTHENING THE MOSAIC COUNCIL'S CAPACITY TO MONITOR AND MANAGE NATURAL RESOURCES, TO SEEK SUSTAINABLE FUNDING, TO COORDINATE PROGRAMS AND TO IMPLEMENT INTEGRATED MANAGEMENT WITHIN THE MOSAIC. | 200,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO CONSERVE 18.6 MILLION HECTARES OF OUTSTANDING BIODIVERSITY MOSAICS IN MADIDI-TAMBOPATA (BOLIVIA), YASUNI-PASTAZA (ECUADOR), AND YAVARI-SAMIRIA (PERU), INCLUDING 14 INDIVIDUAL PROTECTED AREAS AND INDIGENOUS TERRITORIES. | 500,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO SUPPORT THE CONSOLIDATION OF INDIGENOUS LANDS IN THE AMAZON AND THEIR INTEGRATION INTO LAND USE PLANNING DECISIONS BY STRENGTHENING A PARTNERSHIP BETWEEN THE CONSERVATION AND HUMAN RIGHTS COMMUNITIES. | 90,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO CONSOLIDATE 17 CONSERVATION UNITS (PROTECTED AREAS AND INDIGENOUS LANDS) IN THREE MOSAICS IN BOLIVIA, PERU, AND ECUADOR TOTALING OVER 11 MILLION HECTARES. | 1,100,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO SUPPORT THE IMPLEMENTATION OF A DURABLE NETWORK OF LOCAL COMMUNITIES, STUDENTS, SCIENTISTS, AND CONSERVATIONISTS TO COLLECT AND SHARE DATA USING NOVEL TECHNOLOGIES TO DOCUMENT THE SHIFTING ECOSYSTEM AND RESOURCE DYNAMICS OF AQUATIC HABITATS ACROSS THE AMAZON BASIN. | 800,000. |
| WILLIAM MARSH RICE UNIVERSITY 6100 MAIN, MS-61 HOUSTON, TX 77005-1827 | N/A PC | IN SUPPORT OF RESEARCH TARGETING DISCOVERY OF NEW MATERIALS THAT ENHANCE OUR UNDERSTANDING OF MAGNETISM, UNCONVENTIONAL SUPERCONDUCTIVITY, AND THE INTERPLAY BETWEEN THESE PHENOMENA. | 200,000. |
| WINDWARD FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF A DATA PLATFORM THAT WILL MAKE LOW-COST, AUTOMATED, AND WIDELY ACCESSIBLE EVAPOTRANSPIRATION DATA AVAILABLE AT USER-DEFINED SCALES AND TIMEFRAMES THROUGH A WEB-BASED USER INTERFACE. | 1,250,000. |
| WOMEN'S ENVIRONMENTAL NETWORK 1569 SOLANO AVENUE, #548 BERKELEY, CA 94707 | N/A PC | TO SUPPORT THE STRATEGIC PLANNING PROCESS OF THE WOMEN'S ENVIRONMENTAL NETWORK. | 25,000. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF OBTAINING DEEPER KNOWLEDGE OF MAJOR BIOGEOCHEMICALLY RELEVANT PROTEINS TO INFORM A MECHANISTIC UNDERSTANDING OF GLOBAL MARINE BIOGEOCHEMICAL CYCLES. | 450,094. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF LABORATORY AND FIELD EXPERIMENTS TO TEASE APART THE RELATIONSHIPS BETWEEN PAIRS OF INTERACTING MICROBES AND AN IMPORTANT COMPONENT OF DISSOLVED ORGANIC MATTER IN THE OCEAN: LONG CHAINS OF SUGARS. | 515,694. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF EXPLORING A NEW APPROACH TO OCEANOGRAPHIC RESEARCH FOCUSED ON RAPID SOFTWARE AND HARDWARE INNOVATION. | 200,000. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF DEVELOPING A NEW INTERDISCIPLINARY UNDERSTANDING OF THE MECHANISMS THAT UNDERLIE SMALL-SCALE CHEMICAL, PHYSICAL, AND MICROBIOLOGICAL PHENOMENA THAT CONTRIBUTE TO MARINE PARTICLE CONSUMPTION, WHICH IS CRITICAL FOR IMPROVING MODELS OF THE OCEAN CARBON CYCLE. | 460,225. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF RESEARCH TO ELUCIDATE HOW THE BIOLOGICAL CLOCK IS REGULATED IN A SEA ANEMONE, WHICH WILL PROVIDE INSIGHTS INTO BOTH THE PHYSIOLOGY OF SEA ANEMONES AND THE EVOLUTION OF AN IMPORTANT REGULATORY PATHWAY FOUND IN ALL ANIMALS. | 297,776. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF SCREENING LABORATORY CULTURES OF MARINE MICROEUKARYOTES FOR THE ABILITY TO INTRODUCE FOREIGN DNA INTO CELLS. | 174,526. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | IN SUPPORT OF A NEW APPROACH TO OCEANOGRAPHIC RESEARCH FOCUSED ON RAPID SOFTWARE AND HARDWARE INNOVATION, PARTNERING WITH INDUSTRY TO ACCELERATE PROGRESS BY CREATING A WHOI-LED INNOVATION CENTER. | 1,500,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| WOODS HOLE RESEARCH CENTER, INC. 149 WOODS HOLE RESEARCH CENTER FALMOUTH, MA 02543 | N/A PC | TO DEVELOP DATASETS ON PAN-AMAZON FOREST RESILIENCE (FOREST DEGRADATION AND CLIMATIC VULNERABILITY) AND TO TRAIN FOREST MANAGERS AND POLICYMAKERS TO USE THESE DATA TO INFORM CONSERVATION DECISIONS. | 400,000. |
| WORLD BUSINESS COUNCIL FOR SUSTAINABLE DEVELOPMENT CHEMIN EUGENE-RIGOT 2 1211 GENEVA SWITZERLAND | N/A NC | TO SUPPORT HARMONIZATION ACROSS DIFFERENT SUSTAINABILITY REPORTING STANDARDS TO REDUCE MARKETPLACE CONFUSION AND BARRIERS TO ADOPTION. | 500,000. |
| WORLD BUSINESS COUNCIL FOR SUSTAINABLE DEVELOPMENT CHEMIN EUGENE-RIGOT 2 1211 GENEVA SWITZERLAND | N/A NC | TO IMPLEMENT THE FINANCE COLLABORATION FOR THE CONSERVATION AND FINANCIAL MARKETS INITIATIVE. | 2,584,210. |
| WORLD RESOURCES INSTITUTE 10 G STREET NE, SUITE 800 WASHINGTON, DC 20002 | N/A PC | TO SUPPORT NEXT GENERATION DEVELOPMENT OF GLOBAL FOREST WATCH PRO COMMODITIES AND FINANCE PLATFORM TO BETTER MONITOR AND TRACK DEFORESTATION AND RELATED RISK. | 1,400,000. |
| WORLD WILDLIFE FUND CANADA 410 ADELAIDE STREET WEST TORONOTO ON CANADA M5V 1S8 | N/A PC | TO ENSURE A STRONG FRAMEWORK FOR THE CONSERVATION AND SUSTAINABLE USE OF CANADA'S ARCTIC OCEAN. | 1,000,000. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO ENSURE THE LONG-TERM IMPLEMENTATION OF SUSTAINABLE FINANCE STRATEGIES FOR TWO PROTECTED AREAS IN NORTHERN BOLIVIA. | 100,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO IMPLEMENT THE AGRICULTURE COLLABORATION FOR THE FORESTS AND AGRICULTURAL MARKETS INITIATIVE. | 5,170,974. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO ASSESS THE FEASIBILITY AND COSTS OF ACCELERATING BLOCKCHAIN FOR TRACEABILITY IN BEEF, SOY, FARMED SHRIMP, AND WILD CAPTURE TUNA. | 269,055. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO IMPLEMENT THE FINANCE COLLABORATION FOR THE CONSERVATION AND FINANCIAL MARKETS INITIATIVE. | 4,585,511. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO DEVELOP A TRACEABILITY SYSTEM FOR FARMED SHRIMP SUPPLY CHAINS. | 300,000. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | IN SUPPORT OF TRANSBOUNDARY ARCTIC POLICY AND MANAGEMENT THAT FURTHERS OCEAN CONSERVATION. | 170,000. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO SECURE LONG-TERM FUNDING FOR AMAZON PROTECTED AREAS WITH THE PERU PROTECTED AREA SERVICE'S (SERNANP) PERU'S NATURAL LEGACY INITIATIVE (PATRIMONIO DEL PERU). | 560,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| YALE UNIVERSITY 15 PROSPECT STREET NEW HAVEN, CT 06511 | N/A PC | IN SUPPORT OF RESEARCH AIMED AT DECIPHERING THE MECHANISM OF HIGH-TEMPERATURE SUPERCONDUCTIVITY AND DISCOVERING NEW SUPERCONDUCTORS THROUGH SYNTHESIS OF NOVEL HETEROSTRUCTURES USING ATOMIC-LAYER-BY-LAYER MOLECULAR BEAM EPITAXY. | 300,000. |
| YALE UNIVERSITY SAGE HALL, 205 PROSPECT STREET NEW HAVEN, CT 06511 | N/A PC | IN SUPPORT OF THE YALE E360 ONLINE MAGAZINE'S TARGETED COMMUNICATIONS ABOUT CRITICAL ENVIRONMENTAL CONSERVATION TOPICS. | 199,929. |
| ZAPPYLAB, INC. 2120 UNIVERSITY AVE, SUITE 410 BERKELEY, CA 94704 | N/A NC | IN SUPPORT OF BUILDING AN ONLINE PROTIST GENETICS COMMUNITY AND EXPANDING AN ONLINE MARINE VIRUS ECOLOGY COMMUNITY TO INCREASE KNOWLEDGE SHARING AND ESTABLISH BEST PRACTICES IN METHODS AND APPROACHES. | 346,938. |
| 826 VALENCIA 826 VALENCIA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| A BRIGHTER DAY YOUTH WORK PROGRAM 2301 CARLMONT DRIVE, SUITE 27 BELMONT, CA 94002 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |
| ACADEMY HEALTH 1666 K STREET NW, SUITE 1100 WASHINGTON, DC 20006 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| ACADEMY HEALTH 1666 K STREET NW, SUITE 1100 WASHINGTON, DC 20006 | N/A PC | IN SUPPORT OF ACADEMYHEALTH'S NATIONAL HEALTH POLICY CONFERENCE TO BE HELD FEBRUARY 5-6, 2018 IN WASHINGTON, DC. | 10,000. |
| ACTERRA ACTION FOR A HEALTHY PLANET 3921 EAST BAYSHORE ROAD PALO ALTO, CA 94303 | N/A PC | IN SUPPORT OF GRASSROOTS ECOLOGY. | 1,500. |
| ALEUT INTERNATIONAL ASSOCIATION, INC. 333 W 4TH AVENUE, SUITE 301 ANCHORAGE, AK 99501 | N/A PC | TO SUPPORT THE ALGU FUND AND GAP FUNDING FOR PERMANENT PARTICIPANTS OF THE ARCTIC COUNCIL. | 18,000. |
| ALLIANCE FOR CLIMATE PROTECTION 750 9TH STREET, NW, SUITE 520 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,500. |
| AMERICAN ACADEMY OF ARTS AND SCIENCES 136 IRVING STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| AMERICAN ASSOCIATES OF THE STS FORUM 25 BROADWAY, 9TH FLOOR NEW YORK, NY 10004 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 35,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENC 1200 NEW YORK AVENUE NW WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF THE GOLDEN GOOSE AWARD, A SERIES OF SCIENCE AWARDS AIMED AT DEMONSTRATING THE HUMAN AND ECONOMIC BENEFITS OF FEDERALLY FUNDED BASIC RESEARCH.THE CONTRIBUTION WILL BE USED TO SUPPORT GENERAL PROGRAMMING INCLUDING AWARD RESEARCH AND SELECTION, PROMOTION, AND PRESENTATION. | 10,000. |
| AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENC 1200 NEW YORK AVENUE NW WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF SCIENCE POLICY. | 2,000. |
| AMERICAN CIVIL LIBERTIES UNION FOUNDATION, INC. 125 BROAD STREET, 18TH FLOOR NEW YORK, NY 10004-2400 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| AMERICAN SOCIETY FOR MICROBIOLOGY 1752 N STREET, NW WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE ASM CONFERENCE "VIBRIO2017: THE BIOLOGY OF VIBRIOS" TO BE HELD NOVEMBER 12-15, 2017 IN CHICAGO, IL. | 7,500. |
| AMERICAN SOCIETY FOR MICROBIOLOGY 1752 N STREET, NW WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE 1ST AMERICAN SOCIETY FOR MICROBIOLOGY CONFERENCE ON MECHANISMS OF INTERBACTERIAL COOPERATION AND COMPETITION TO BE HELD MARCH 1-4, 2017, IN WASHINGTON, DC. | 7,500. |
| AMERICAN SOCIETY FOR MICROBIOLOGY 1752 N STREET, NW WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE 6TH ASM CONFERENCE ON CELL-CELL COMMUNICATION IN BACTERIA TO BE HELD OCTOBER 16-19, 2017, IN ATHENS, GA. | 7,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| AMIGOS OF COSTA RICA, INC. 2101 L STREET, NW SUITE 800 WASHINGTON, DC 20037 | N/A SO I | IN SUPPORT OF OCEAN GUARDIAN JOURNEY - ASANA. | 100. |
| ARIZONA STATE UNIVERSITY FOUNDATION FOR A NEW AMER PO BOX 2260 TEMPE, AZ 85280-2260 | N/A PC | TO SUPPORT THE RESEARCH OF ALEXANDER GREEN. | 25,000. |
| ARTS & BUSINESS COUNCIL OF GREATER BOSTON, INC. 15 CHANNEL CENTER STREET, SUITE 103 BOSTON, MA 02210 | N/A PC | TO SUPPORT THE IG NOBEL PRIZE CEREMONY, WHICH RECOGNIZES 10 SCIENTISTS, PHYSICIANS, ECONOMISTS, OR WRITERS WHOSE WORK OR RESEARCH HAS RESULTED IN EXTRAORDINARY OUTCOMES. THIS CONTRIBUTION WILL BE USED TO PROVIDE SUPPORT FOR SOME OF THE CEREMONY'S EXPENSE OF PRODUCING THE EVENT, INCLUDING LIGHTING, SOUND, BUILDING RENT, ETC. | 16,500. |
| ASPEN CENTER FOR PHYSICS 700 WEST GILLESPIE ASPEN, CO 81611 | N/A PC | TO SUPPORT THE ASPEN WINTER CONFERENCE "HIGH TEMPERATURE SUPERCONDUCTIVITY - UNIFYING THEMES IN DIVERSE MATERIALS", TO BE HELD JANUARY 14-20, 2018 IN ASPEN, CO. | 15,000. |
| ASSOCIATION OF ASIAN PACIFIC COMMUNITY HEALTH ORG 101 CALLAN AVENUE, SUITE 400 SAN LEANDRO, CA 94577 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| AUTISM SPEAKS, INC. 1 EAST 33RD STREET, 4TH FLOOR NEW YORK, NY 10016 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| AVENIDAS 4000 MIDDLEFIELD RD, #1-2 PALO ALTO, CA 94303 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| BASENJI RESCUE AND TRANSPORT, INC. 7255 JERMYN COVE GERMANTOWN, TN 38138 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |
| BAY AREA DISCOVERY MUSEUM 557 MCREYNOLDS ROAD SAUSALITO, CA 94965 | N/A PC | IN SUPPORT OF GRANDPARENT CIRCLE. | 2,500. |
| BAY NATURE INSTITUTE 1328 6TH STREET, SUITE 2 BERKELEY, CA 94710 | N/A PC | TO SUPPORT THE TRANSITION AND REDESIGN OF BAY NATURE MAGAZINE. | 25,000. |
| BELMONT-REDWOOD SHORES PUBLIC SCHOOL FOUNDATION PO BOX 5196 BELMONT, CA 94002 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| BEST FRIENDS ANIMAL SOCIETY 5001 ANGEL CANYON ROAD KANAB, UT 84741-5000 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS IN MEMORY OF BETTY GARDIPEE. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN KELLNER HALL, 1440 MONROE STREET MADISON, WI 53711 | N/A GOV | IN SUPPORT OF THE SCHOLARSHIP ENDOWMENT. | 10,000. |
| BOARDSOURCE 750 9TH STREET NW, SUITE 650 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 35,000. |
| BUSH SCHOOL 3400 EAST HARRISON STREET SEATTLE, WA 98112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,500. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF THE ANNUAL FUND. | 3,000. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF MARINE SCIENCE-RELATED ACTIVITIES AT THE CALIFORNIA ACADEMY OF SCIENCES. | 10,000. |
| CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY 65-1120 MAMALAHOA HIGHWAY KAMUELA, HI 96743 | N/A PC | IN SUPPORT OF A WORKSHOP THAT WILL PROMOTE THE ABILITY TO PROVIDE FOLLOW ON OBSERVATIONS OF TRANSIENT OBJECTS. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| CALIFORNIA COLLEGE OF THE ARTS 5212 BROADWAY OAKLAND, CA 94618-1426 | N/A PC | TO SUPPORT DEVELOPMENT OF THE SAN FRANCISCO CAMPUS. | 50,000. |
| CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY 1130 K STREET, SUITE 280 SACRAMENTO, CA 95814 | N/A PC | TO SUPPORT TRAVEL AND A MEETING FOR STATE-LEVEL SCIENCE & TECHNOLOGY POLICY FELLOW PLANNING GROUPS TO BE HELD IN CONJUNCTION WITH THE 2018 AAAS ANNUAL MEETING IN AUSTIN, TEXAS. | 25,000. |
| CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY 1130 K STREET, SUITE 280 SACRAMENTO, CA 95814 | N/A PC | IN SUPPORT OF THE FELLOWS PROGRAM. | 5,000. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF THE TRUSTEE FUND / BREAKTHROUGH CAMPAIGN. | 40,000. |
| CALIFORNIA JAZZ CONSERVATORY, INC. 2087 ADDISON STREET BERKELEY, CA 94704 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50,000. |
| CALIFORNIA SHAKESPEARE THEATER 701 HEINZ AVENUE BERKELEY, CA 94710 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| CAPITOL HILL DAY SCHOOL 210 SOUTH CAROLINA AVENUE, SE WASHINGTON, DC 20003 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| CARBON TRACKER INITIATIVE LIMITED 40 BERMONDSEY STREET, 2ND FLOOR LONDON UNITED KINGDOM SE1 3UD | N/A PC | IN SUPPORT OF UNDERSTANDING TRANSITION COSTS AND INNOVATIVE FINANCING MECHANISMS FOR FISHERIES. | 50,000. |
| CARLMONT ACADEMIC FOUNDATION PO BOX 104 BELMONT, CA 94002 | N/A PC | FOR GENERAL SUPPORT IN MEMORY OF GOH PING LA. | 1,000. |
| CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE 1779 MASSACHUSETTS AVENUE, NW WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE JUNIOR FELLOWS PROGRAM. | 15,000. |
| CAROLINE CHURCH OF BROOKHAVEN 1 DYKE ROAD SETAUKET, NY 11733 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| CATALINA HIGH SCHOOL FOUNDATION 3930 N LARREA LANE TUCSON, AZ 85750 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| CATHOLIC CHARITIES OF SAN JOSE 2625 ZANKER ROAD SAN JOSE, CA 95134 | N/A PC | IN SUPPORT OF THE OLDER ADULT SERVICES PROGRAM. | 25,000. |
| CENTER FOR EFFECTIVE PHILANTHROPY, INC. 675 MASSACHUSETTS AVENUE, 7TH FLOOR CAMBRIDGE, MA 02139 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50,000. |
| CENTER FOR REPRODUCTIVE RIGHTS, INC. 199 WATER STREET, 22ND FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| CHARLES ARMSTRONG SCHOOL 1405 SOLANA DRIVE BELMONT, CA 94002 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| CHEETAH CONSERVATION FUND 200 DAINGERFIELD ROAD, SUITE 200 ALEXANDRIA, VA 22314 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,500. |
| CHILDREN'S HOSPITAL & RESEARCH CENTER FOUNDATION 2201 BROADWAY, SUITE 600 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| CHILDREN'S HOSPITAL COLORADO FOUNDATION 13123 E 16TH AVENUE, BOX 045 AURORA, CO 80045 | N/A PC | IN SUPPORT OF THE WORK OF ADAM ROSENBERG, MD IN THE NEONATAL INTENSIVE CARE UNIT. | 1,000. |
| CHINESE MYANMAR BUDDHIST ASSOCIATION OF AMERICA 1211 NIMITZ DRIVE DALY CITY, CA 94105 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS IN MEMORY OF ZIYING LU. | 500. |
| CLIMATE INSTITUTE 1400 16TH STREET NW, SUITE 430 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |
| COALITION TO TRANSFORM ADVANCED CARE 1299 PENNSYLVANIA AVENUE NW, SUITE 1175 WASHINGTON, DC 20004 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 20,000. |
| COALITION TO TRANSFORM ADVANCED CARE 1299 PENNSYLVANIA AVENUE NW, SUITE 1175 WASHINGTON, DC 20004 | N/A PC | IN SUPPORT OF THE NATIONAL SUMMIT ON ADVANCED ILLNESS CARE ON NOVEMBER 27-29, 2017 IN WASHINGTON, DC. | 25,000. |
| COASTSIDE ADULT DAY HEALTH CENTER 925 MAIN STRETT HALF MOON BAY, CA 94019 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| COASTSIDE CHILDRENS PROGRAMS 494 MIRAMONTES AVE HALF MOON BAY, CA 94019 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| COLD SPRING HARBOR LABORATORY PO BOX 100 COLD SPRING HARBOR, NY 11724 | N/A PC | IN SUPPORT OF THE NUCLEOTIDE-BINDING DOMAIN, LEUCINE-RICH REPEAT (NLR) SUPERFAMILY "SANS FRONTIERES" MEETING TO BE HELD FROM SEPTEMBER 17-20, 2017 IN LLOYD HARBOR, NY, WHICH WILL CONVENE 30 OF THE WORLD'S TOP BIOLOGISTS AT THE BANBURY CENTER TO DISCUSS NLR MECHANISMS AND TO PROMOTE NEW COLLABORATIONS IN NEW STRATEGIC AREAS. THIS CONTRIBUTION WILL SUPPORT ROOM AND BOARD COSTS OR MEETING PARTICIPANTS, TRAVEL EXPENSES FOR ATTENDEES, AS WELL AS FACILITIES/ADMINISTRATIVE FEES. | 10,000. |
| COMMONWEALTH CLUB OF CALIFORNIA 555 POST STREET SAN FRANCISCO, CA 94102 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 5,000. |
| COMMUNICATION NETWORK 1717 NORTH NAPER BOULEVARD, SUITE 102 NAPERVILLE, IL 60563 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |
| COMMUNITY HOUSING PARTNERSHIP A CA NONPROFIT BENEF 20 JONES STREET, SUITE 200 SAN FRANCISCO, CA 94102 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| COMMUNITY INITIATIVES 354 PINE STREET, SUITE 700 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| COMMUNITY INITIATIVES 1000 BROADWAY, SUITE 480 OAKLAND, CA 94607 | N/A PC | IN SUPPORT OF YOUTH PROGRAMMING AT THE MISSION SCIENCE WORKSHOP. | 12,500. |
| COMPUTER HISTORY MUSEUM 1401 N SHORELINE BOULEVARD MOUNTAIN VIEW, CA 94043 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| CONFLUENCE PHILANTHROPY, INC. 475 RIVERSIDE DRIVE, SUITE 900 NEW YORK, NY 10115 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | TO SUPPORT AN EXCHANGE PROGRAM BETWEEN THE KAYAPO IN BRAZIL AND TYRIO IN SURINAME ON TERRITORIAL AND ENVIRONMENTAL MANAGEMENT AND GOVERNANCE. | 25,000. |
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS AND CONSERVATION SOUTH AFRICA. | 50,000. |
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | IN SUPPORT OF TRAVEL COSTS FOR INTERNATIONAL PARTICIPANTS INVOLVED IN THE OCTOBER 2017 WILDLIFE INSIGHTS SUMMIT MEETING. | 20,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | TO SUPPORT THE ANNUAL FUND. | 10,000. |
| CONSERVATION LAW FOUNDATION, INC. 62 SUMMER STREET BOSTON, MA 02110 | N/A PC | TO PROVIDE SUPPORT FOR GROUND FISH WORK, AS WELL AS BROADER FISHERIES COMMUNICATIONS IN NEW ENGLAND. | 25,000. |
| CONSERVATION STRATEGY FUND 1160 G STREET ARCATA, CA 95521 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| CONSERVATION X LABS, INC. 1342 FLORIDA AVENUE NW WASHINGTON, DC 20009 | N/A PC | IN SUPPORT OF A DESIGN COMPETITION FOR LOW COST SCIENCE AND ENVIRONMENTAL MONITORING TOOLS. | 10,000. |
| CONSULTATIVE GROUP ON BIOLOGICAL DIVERSITY PRESIDIO BUILDING 1016, PO BOX 29361 SAN FRANCISCO, CA 94129-0361 | N/A PC | TO PROVIDE SUPPORT FOR THE CONSULTATIVE GROUP ON BIOLOGICAL DIVERSITY AND FUNDERS OF THE AMAZON BASIN. | 75,000. |
| CORNELL UNIVERSITY PO BOX 22 ITHACA, NY 14851 | N/A PC | IN SUPPORT OF THE THIRD ANNUAL SUMMER SCHOOL ON EMERGENT PHENOMENA IN QUANTUM MATERIALS AT CORNELL UNIVERSITY, WHICH WILL BRING EXPERTS IN THE FIELD OF STRONGLY CORRELATED QUANTUM MATERIALS TO INTERACT WITH STUDENTS AND POSTDOCS. | 12,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| COUNCIL ON FOUNDATIONS, INC. 2121 CRYSTAL DRIVE, SUITE 700 ARLINGTON, VA 22202 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| CURIODYSSEY 1651 COYOTE POINT DRIVE SAN MATEO, CA 94401 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS | 5,000. |
| DUKE UNIVERSITY ENVIRONMENT HALL, 9 CIRCUIT DRIVE, BOC 90328 DURHAM, NC 27708 | N/A PC | TO SUPPORT THE FURTHER REFINEMENT OF THE COASTAL AND MARINE SPATIAL PLANNING - ADVANCED TRAINING WORKSHOP CURRICULUM, THE DEVELOPMENT OF THE MARINE PLANNING PROCESS "201" WORKSHOP, AND THE DELIVERY OF WORKSHOPS THAT ADDRESS THE NEXT LEVEL OF LEADERSHIP AND ADVANCEMENT SKILLS FOR OCEAN PLANNING PROFESSIONALS ACROSS THE UNITED STATES. | 40,000. |
| EARTH INNOVATION INSTITUTE 98 BATTERY STREET, SUITE 250 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF THE FIRST MEETING BETWEEN THE GOVERNORS' CLIMATE AND FOREST TASK FORCE AND INDIGENOUS PEOPLES AND TRADITIONAL COMMUNITIES TO TAKE PLACE FROM AUGUST 20-24, 2017 IN NORTHERN CALIFORNIA. | 30,000. |
| EDUCATIONAL FOUNDATION OF ORINDA 21 "C" ORINDA WAY, #123 ORINDA, CA 94563 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| ENVIRONMENTAL AND ENERGY STUDY INSTITUTE 1020 19TH STREET, NW, SUITE 650 WASHINGTON, DC 20036-6101 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| ENVIRONMENTAL DEFENSE FUND, INCORPORATED 257 PARK AVENUE SOUTH NEW YORK, NY 10010 | N/A PC | TO SUPPORT TRANSITION COSTS FOR THE CALIFORNIA FISHERIES FUND, WHICH WILL BE MOVING FROM ENVIRONMENTAL DEFENSE FUND TO A NEW INSTITUTIONAL HOME. | 20,000. |
| ENVIRONMENTAL GRANTMAKERS ASSOCIATION 475 RIVERSIDE DRIVE, SUITE 960 NEW YORK, NY 10115 | N/A PC | IN SUPPORT OF THE EGA ENVIRONMENTAL FELLOWS PROGRAM. | 20,000. |
| ENVIRONMENTAL GRANTMAKERS ASSOCIATION 475 RIVERSIDE DRIVE, SUITE 960 NEW YORK, NY 10115 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 90,000. |
| ENVISION EXCELLENCE IN STEM EDUCATION 2108 LAMBERTON ROAD CLEVELAND HEIGHTS, OH 44118 | N/A PC | TO PROVIDE SUPPORT TO THE STEM FUNDERS NETWORK. | 10,000. |
| ETH ZURICH RAMISTRASSE 101, HG E 43-49 ZURICH SWITZERLAND 8092 | N/A PC | IN SUPPORT OF THE 15TH SYMPOSIUM ON AQUATIC MICROBIAL ECOLOGY TO BE HELD SEPTEMBER 3-8, 2017 IN ZAGREB, CROATIA. | 10,000. |
| FAMILIES USA FOUNDATION, INC. 1225 NEW YORK AVENUE NW, SUITE 800 WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF THE FAMILIES USA RON POLLACK TRIBUTE DINNER, BEING HELD ON MARCH 14, 2017 IN WASHINGTON, D.C. | 5,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| FAMILIES USA FOUNDATION, INC. 1225 NEW YORK AVENUE NW, SUITE 800 WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF FAMILIES USA HEALTH ACTION CONFERENCE 2018 TO BE HELD JANUARY 25-27, 2018 IN WASHINGTON, DC. | 10,000. |
| FAMILY HEALTH INTERNATIONAL 359 BLACKWELL STREET, SUITE 200 DURHAM, NC 27701 | N/A PC | TO PROVIDE SUPPORT FOR THE GLOBAL HANDWASHING PARTNERSHIP'S STRATEGIC EFFORTS OVER THE NEXT THREE YEARS. | 100,000. |
| FEDERATION OF AMERICAN SCIENTISTS 1725 DE SALES STREET NW, 6TH FLOOR WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |
| FIDELITY INVESTMENTS CHARITABLE GIFT FUND 100 CROSBY PARKWAY, MAIL ZONE KC1D-FCS COVINGTON, KY 41015-9325 | N/A PC | TO SUPPORT A DONOR ADVISED FUND, REQUESTED BY EMPLOYEE OR BOARD MEMBER AS PART OF MATCHING GIFT OR SERVICE RECOGNITION PROGRAMS. | 100,000. |
| FONDO MEXICANO PARA LA CONSERVACION DE LA NATURALE CALLE DAMAS NO 49 COL SAN JOSE INSU MEXICO CITY MEXICO 3900 | N/A PC | TO SUPPORT THE REDPARQUES MEETING IN NOVEMBER 2017, WHICH WILL DISCUSS THE PROGRESS OF THE DIFFERENT COUNTRIES TOWARDS MEETING AICHI TARGET 11, IDENTIFY SUCCESS STORIES, LESSONS LEARNED AND CHALLENGES IN TERMS OF FINANCIAL SUSTAINABILITY, AND OUTLINE MAJOR PRIORITIES AND CHALLENGES BEYOND 2020. | 10,000. |
| FORCE11 P. BOX 13645 LA JOLLA, CA 92039 | N/A PC | IN SUPPORT OF THE FORCE2017 CONFERENCE, TO BE HELD OCTOBER 25-27, 2017 IN BERLIN, GERMANY, WHICH BRINGS TOGETHER RESEARCHERS, LIBRARIANS, AND FUNDERS TO ADDRESS TOPICS SUCH AS TRANSPARENCY IN RESEARCH WORKFLOWS, THE IMPORTANCE OF EFFECTIVE COMMUNICATION BOTH WITHIN AND BEYOND ACADEMIA, AND VISUALIZATION OF SCIENCE AND SCHOLARSHIP. | 30,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| FOREST TRENDS ASSOCIATION 1203 19TH STREET, NW, 4TH FLOOR WASHINGTON, DC 20036 | N/A PC | TO PROVIDE SUPPORT FOR THE DEVELOPMENT (BY THE CUMARI GROUP) OF TWO VALUE CHAINS FOR SUSTAINABLE, COMMUNITY BASED AMAZONIAN CULINARY PRODUCTS (AJI NEGRO AND PAICHE) FROM AAI-SUPPORTED CONSERVATION UNITS FOR HIGH END MARKETS IN LIMA, PERU. | 35,000. |
| FOUNDATION CENTER 32 OLD SLIP, 24TH FLOOR NEW YORK, NY 10005-3500 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50,000. |
| FOUNDATIONS OF SUCCESS, INC. 4109 MARYLAND AVENUE BETHESDA, MD 20816 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,500. |
| FUNDO BRASILEIRO PARA A BIODIVERSIDADE RUA VOLUNTARIOS DA PATRIA, 286 5 RIO DE JANEIRO RJ BRAZIL CEP: 22270-014 | N/A PC | TO RAISE AWARENESS FOR ARPA DURING ITS 15-YEAR CELEBRATION IN RIO DE JANEIRO ON DECEMBER 1, 2017. | 9,000. |
| GEOCHEMICAL SOCIETY 5241 BROAD BRANCH ROAD, NW WASHINGTON, DC 20015-1305 | N/A PC | IN SUPPORT OF THE 2017 GOLDSCHMIDT CONFERENCE, TO BE HELD AUGUST 13-18 IN PARIS, FRANCE. | 7,500. |
| GEORGE WASHINGTON UNIVERSITY 1919 PENNSYLVANIA AVENUE, NW, STE. 500 WASHINGTON, DC 20006 | N/A PC | IN SUPPORT OF THE WOODHULL STUDY REVISITED PROJECT AT GEORGE WASHINGTON UNIVERSITY SCHOOL OF NURSING. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| GRANTMAKERS FOR EFFECTIVE ORGANIZATIONS 1725 DESALES STREET, SUITE 404 WASHINGTON, DC 20036 | N/A PC | TO PROVIDE SUPPORT FOR 2018 ACTIVITIES, ESPECIALLY IN RELATION TO THE NATIONAL CONFERENCE TO BE HELD ON APRIL 30 - MAY 2, 2018 IN SAN FRANCISCO, CA. | 50,000. |
| GRANTMAKERS FOR EFFECTIVE ORGANIZATIONS 1725 DESALES STREET, SUITE 404 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 18,000. |
| GRANTMAKERS IN AGING, INC. 2001 JEFFERSON DAVIS HIGHWAY, SUITE 504 ARLINGTON, VA 22202 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 7,500. |
| GRANTMAKERS IN HEALTH 1100 CONNECTICUT AVENUE NW, SUITE 1200 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 6,325. |
| GUIDESTAR USA, INC. 4801 COURTHOUSE STREET, SUITE 220 WILLIAMSBURG, VA 23188 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 60,000. |
| GUJRI FOUNDATION PO BOX 1028 VACAVILLE, CA 95696 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| HDF GROUP 1800 S OAK STREET, SUITE 203 CHAMPAIGN, IL 61820 | N/A PC | IN SUPPORT OF THE 2017 SCIPY CONFERENCE (JULY 10-16, AUSTIN, TX), WHICH BRINGS TOGETHER PARTICIPANTS FROM INDUSTRY, ACADEMIA, AND GOVERNMENT TO SHOWCASE THEIR LATEST PROJECTS, LEARN FROM SKILLED USERS AND DEVELOPERS, AND COLLABORATE ON CODE DEVELOPMENT. | 12,000. |
| HEALTH 2.0 ADVOCATES 350 TOWNSEND STREET, #403 SAN FRANCISCO, CA 94107 | N/A PC | IN SUPPORT OF THE HEALTH 2.0 11TH ANNUAL FALL CONFERENCE TO BE HELD OCTOBER 1-4, 2017 IN SANTA CLARA, CA. | 15,000. |
| HISPANIC FEDERATION, INC. 55 EXCHANGE PLACE, 5TH FLOOR NEW YORK, NY 10005 | N/A PC | IN SUPPORT OF THE UNIDOS FUND TO BE USED FOR HURRICANE MARIA RELIEF. | 100. |
| HOLE IN THE WALL GANG FUND, INC. 555 LONG WHARF DRIVE NEW HAVEN, CT 06511 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| HOPEWELL FUND 1202 CONNECTICUT AVE NW STE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF A PART-TIME COORDINATOR POSITION TO BOLSTER THE EFFECTIVENESS AND OUTREACH OF THE MOORE-SLOAN DATA SCIENCE ENVIRONMENT PARTNERSHIP. | 50,000. |
| HOSPITAL QUALITY INSTITUTE 1215 K STREET, SUITE 800 SACRAMENTO, CA 95814 | N/A PC | IN SUPPORT OF THE HOSPITAL QUALITY INSTITUTE'S 2017 ANNUAL CONFERENCE ON NOVEMBER 1-3, 2017 IN MONTEREY, CA. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| HOUSTON COMMUNITY COLLEGE 3100 MAIN STREET HOUSTON, TX 77002 | N/A GOV | IN SUPPORT OF THE MARJORIE GOLDBERG LOTT SCHOLARSHIP FUND IN MEMORY OF KENNETH LOTT. | 1,000. |
| INDEPENDENT SECTOR 1602 L STREET NW, SUITE 900 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| INSTITUTE FOR FAMILY-CENTERED CARE, INC. 6917 ARLINGTON ROAD, SUITE 309 BETHESDA, MD 20814 | N/A PC | IN SUPPORT OF INSTITUTE FOR FAMILY-CENTERED CARE'S 25TH ANNIVERSARY GALA, TO BE HELD NOVEMBER 3, 2017 IN WASHINGTON, DC. | 10,000. |
| INSTITUTE FOR HEALTHCARE IMPROVEMENT 20 UNIVERSITY ROAD, 7TH FLOOR CAMBRIDGE, MA 02138 | N/A PC | TO PROVIDE SUPPORT FOR NURSING NOW! | 100,000. |
| INSTITUTE FOR HEALTHCARE IMPROVEMENT 20 UNIVERSITY ROAD, 7TH FLOOR CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF THE NATIONAL HEALTHCARE DECISION DAY SURVEY DATA ANALYSIS. | 12,500. |
| INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS 445 HOES LANE PISCATAWAY, NJ 08854 | N/A PC | IN SUPPORT OF THE IEEE INTERNATIONAL CONFERENCE ON DATA ENGINEERING (APRIL 19-22, 2017 IN SAN DIEGO, CA), WHICH BRINGS TOGETHER INDIVIDUALS FROM INDUSTRY AND ACADEMIA TO ADDRESS RESEARCH ISSUES IN DESIGNING, BUILDING, MANAGING, AND EVALUATING ADVANCED DATA-INTENSIVE SYSTEMS AND APPLICATIONS. | 5,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| INSTITUTE ON AGING 3330 GEARY BOULEVARD SAN FRANCISCO, CA 94118-3347 | N/A PC | IN SUPPORT OF THE INSTITUTE ON AGING'S PENINSULA CENTER IN LOS ALTOS, CA. | 25,000. |
| INSTITUTO CENTRO DE VIDA RUA AMERICO SALGADO, 1890, SANTA H CUIABA MT BRAZIL 78045-055 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF A STRATEGIC PLANNING PROCESS TO HELP RESTRUCTURE THE ORGANIZATION. | 50,000. |
| INSTITUTO DE PESQUISA AMBIENTAL DA AMAZONIA AVENIDA NAZARE 669 BELEM PA BRAZIL 66035-170 | N/A PC | TO DOCUMENT CHANGES TO THE ENVIRONMENT AND LOCAL COMMUNITIES IN THE AMAZON OVER THE LAST TWO DECADES WITH A 1,000 KM BIKE RIDE THROUGH THE REGION AND TO CREATE PUBLIC AWARENESS, BOTH IN BRAZIL AND INTERNATIONALLY, TO THE CRITICAL STATUS OF THE AMAZON CAUSED BY DEFORESTATION, AND THE IMPACT OF THIS ROAD. | 20,000. |
| INUIT CIRCUMPOLAR COUNCIL-ALASKA 3900 ARCTIC BOULEVARD, SUITE 203 ANCHORAGE, AK 99503 | N/A PC | IN SUPPORT OF INUIT CIRCUMPOLAR COUNCIL-ALASKA'S ABILITY TO ATTEND THE CIRCUMPOLAR INUIT WILDLIFE MANAGEMENT SUMMIT IN OTTAWA, CANADA, IN NOVEMBER 2017 | 5,000. |
| JOHNS HOPKINS UNIVERSITY 3701 SAN MARTIN DRIVE BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF A WORKSHOP WHICH WILL BRING TOGETHER RESEARCHERS IN THE FIELD OF INTENSITY MAPPING SURVEYS IN ORDER TO MAP THE LARGE-SCALE DISTRIBUTION OF MASS IN THE UNIVERSE BY MAPPING THE INTEGRATED DISTRIBUTION OF LIGHT FROM MANY GALAXIES AS A FUNCTION OF POSITION ON THE SKY. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| JOHNS HOPKINS UNIVERSITY 138 REMSEN HALL, 3400 N CHARLES STREET BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF THE ONECHEMISTRY SYMPOSIUM, A NEW INITIATIVE AT JOHNS HOPKINS THAT WILL STIMULATE DIALOGUE AND DISCUSSION BETWEEN STUDENTS AND FACULTY TO SOLVE TODAY'S GRAND CHALLENGES USING DESIGN THINKING FROM A CHEMISTRY PERSPECTIVE. | 10,000. |
| KID STOCK, INC. 1539 FUNSTON AVENUE SAN FRANCISCO, CA 94122 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |
| KOREAN AMERICAN SENIOR CITIZENS LEAGUE OF SANTA CL 3707 WILLIAMS ROAD SAN JOSE, CA 95117 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF THE RADIO STATION. | 100. |
| LATINO COMMUNITY FOUNDATION 235 MONTGOMERY STREET, SUITE 1160 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| LAWRENCE BERKELEY NATIONAL LABORATORY 1 CYCLOTRON ROAD BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF THE NUCLEAR SCIENCE DAY FOR GIRL SCOUT AND BOY SCOUT PARTICIPANTS, ORGANIZED BY ALAN POON. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| LUCILE PACKARD FOUNDATION FOR CHILDRENS HEALTH 400 HAMILTON AVENUE, SUITE 340 PALO ALTO, CA 94301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| LUCILE PACKARD FOUNDATION FOR CHILDRENS HEALTH 400 HAMILTON AVENUE, SUITE 340 PALO ALTO, CA 94301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| MARIN COMMUNITY FOUNDATION 5 HAMILTON LANDING, SUITE 200 NOVATO, CA 94949 | N/A PC | IN SUPPORT OF THE GENERAL FUND. | 1,500. |
| MARINE BIOLOGICAL LABORATORY 7 MBL STREET WOODS HOLE, MA 02543 | N/A PC | IN SUPPORT OF THE FIRST MARINE FUNGI WORKSHOP TO BE HELD MAY 7-9, 2018 IN WOODS HOLE, MA. | 15,000. |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVE CAMBRIDGE, MA 02139 | N/A PC | TO SUPPORT THE KNIGHT SCIENCE JOURNALISM PROGRAM AT MIT. | 50,000. |
| MCAULEY CORPORATION 622 ELMWOOD AVE PROVIDENCE, RI 02907 | N/A PC | IN SUPPORT OF MCAULEY HOUSE IN MEMORY OF ELIZABETH CAMPANELLA. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| MEDIA IMPACT FUNDERS, INC. 200 WEST WASHINGTON SQUARE, SUITE 220 PHILADELPHIA, PA 19106 | N/A PC | TO PROVIDE MEMBERSHIP SUPPORT. | 7,500. |
| MERCY FOR ANIMALS 8033 SUNSET BOULEVARD, SUITE 864 LOS ANGELES, CA 90046 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| MISSION INVESTORS EXCHANGE, INC. 107 SPRING STREET SEATTLE, WA 98104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 7,500. |
| MUSEUM OF SCIENCE, INC. 1101 BISCAYNE BOULEVARD MIAMI, FL 33132 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| NAPA COUNTY LAND TRUST 1700 SOSCOL AVENUE SUITE 20 NAPA, CA 94559 | N/A PC | TO PROVIDE SUPPORT IN DEALING WITH THE AFTERMATH OF THE FIRE, WHICH INCLUDES ASSESSMENT OF APPROXIMATELY 40 EASEMENT PROPERTIES THAT BURNED. | 25,000. |
| NARIKA PO BOX 7779 BERKELEY, CA 94707 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| NATIONAL ACADEMY OF SCIENCES 500 5TH STREET NW, KECK 1057 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF THE NATIONAL ACADEMY OF SCIENCES 2017 SACKLER COLLOQUIUM ON THE SCIENCE OF SCIENCE COMMUNICATION TO BE HELD NOVEMBER 16-17, 2017 IN WASHINGTON, DC, WHICH WILL BE DESIGNED TO FACILITATE THE UPTAKE OF A COORDINATED RESEARCH AGENDA ON MORE EFFECTIVE SCIENCE COMMUNICATION. | 20,000. |
| NATIONAL ACADEMY OF SCIENCES 500 FIFTH STREET NW WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF THE NATIONAL ACADEMY OF MEDICINE'S CONGRESSIONAL FORUM ON ENSURING DIVERSITY AND INCLUSION IN THE STEM FIELDS TO BE HELD JUNE 22, 2017 IN WASHINGTON, D.C. THE EVENT WILL INCLUDE A SCREENING OF THE DOCUMENTARY "BLACK WOMEN IN MEDICINE" AT THE NATIONAL ACADEMY OF SCIENCES. | 32,500. |
| NATIONAL ASSOCIATION OF MEDICAID DIRECTORS 444 N CAPITOL STREET, NW SUITE 524 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF NATIONAL ASSOCIATION OF MEDICAID DIRECTORS 2017 FALL CONFERENCE, TO BE HELD NOVEMBER 6-8 IN ARLINGTON, VA. | 50,000. |
| NATIONAL CENTER FOR HEALTHCARE LEADERSHIP 1700 W VAN BUREN STREET, SUITE 126B CHICAGO, IL 60612 | N/A PC | IN SUPPORT OF THE 2017 GAIL WARDEN LEADERSHIP AWARD AT THE NATIONAL CENTER FOR HEALTHCARE LEADERSHIP, TO BE HOLD ON NOVEMBER 14, 2017 IN CHICAGO, IL. | 25,000. |
| NATIONAL COMMITTEE FOR RESPONSIVE PHILANTHROPY 1900 L STREET NW, SUITE 825 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 20,000. |
| NATIONAL GEOGRAPHIC SOCIETY PO BOX 98199 WASHINGTON, DC 20090-8199 | N/A PC | TO PROVIDE TRAVEL-RELATED COSTS FOR SPEAKERS FROM ACADEMIA, NGOS AND GOVERNMENT REPRESENTATIVES FROM EMERGING MARKETS WHO REQUIRE FINANCIAL ASSISTANCE TO ATTEND THE WORLD OCEANS SUMMIT 2017 BEING HOSTED BY THE ECONOMIST IN BALI, INDONESIA, FEBRUARY 22-24, 2017 | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| NATIONAL MARINE SANCTUARY FOUNDATION 8601 GEORGIA AVENUE, SUITE 510 SILVER SPRING, MD 20910 | N/A PC | IN SUPPORT OF CAPITOL HILL OCEANS WEEK, AN ANNUAL EVENT HIGHLIGHTING THE IMPORTANCE OF OCEANS TO THE THE UNITED STATES, TO BE HELD JUNE 13-15, 2017. | 20,000. |
| NATIONAL PACE ASSOCIATION 675 NORTH WASHINGTON STREET, SUITE 300 ALEXANDRIA, VA 22314 | N/A PC | IN SUPPORT OF THE EXPANSION OF PACE PROGRAMS IN CALIFORNIA. | 32,500. |
| NATIONAL PUBLIC RADIO, INC. 1111 NORTH CAPITOL STREET, NE WASHINGTON, DC 20002 | N/A PC | TO PROVIDE SUPPORT FOR THE SCIENCE DESK PLANNING PROJECT. | 50,000. |
| NATIONAL QUALITY FORUM 1030 15TH STREET NW, SUITE 800 WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 12,500. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | TO SUPPORT THE ALASKA/PACIFIC TUNA LEARNING EXCHANGE. | 50,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO ESTABLISH THE SAM WEIS FELLOWSHIP IN CONSERVATION COMMUNICATIONS. | 20,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF THE 2017 OPENCON MEETING, A STUDENT AND EARLY CAREER PROFESSIONAL CONFERENCE ON OPEN ACCESS, OPEN DATA, AND OPEN EDUCATION, TO BE HELD NOVEMBER 11-13, 2017 IN BERLIN, GERMANY. | 10,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | TO PROVIDE 2017 SUPPORT FOR THE GLOBAL ALLIANCE FOR THE FUTURE OF FOOD PROJECT. | 100,000. |
| NEW YORK UNIVERSITY 4 WASHINGTON PLACE NEW YORK, NY 10003 | N/A PC | IN SUPPORT OF THE "DEEP LEARNING AND THE PHYSICAL SCIENCES" WORKSHOP AT THE 2017 NEURAL INFORMATIONPROCESSING SYSTEMS CONFERENCE, A MULTI-TRACK MACHINE LEARNING AND COMPUTATIONAL NEUROSCIENCE CONFERENCE TO BE HELD DECEMBER 4-9, 2017 IN LONG BEACH, CA. | 5,000. |
| NEXMAP 601 VAN NESS AVENUE, OPERA PLAZA SUITE E, BOX 416 SAN FRANCISCO, CA 94102 | N/A PC | TO PROVIDE SUPPORT FOR PROTOTYPING OF EDUCATION MATERIALS THAT SUPPORT DATA LITERACY, ENGINEERING, AND SCIENCE LEARNING. | 6,500. |
| NORTHERN CALIFORNIA GRANTMAKERS 160 SPEAR ST., SUITE 360 SAN FRANCISCO, CA 94105 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 17,500. |
| NORTHWESTERN UNIVERSITY 2145 SHERIDAN ROAD EVANSTON, IL 60208 | N/A PC | IN SUPPORT OF A WORKSHOP WHICH WILL FOCUS ON RECENT ADVANCES AND EMERGING TRENDS IN THE FIELD OF MULTIFUNCTIONAL COMPLEX OXIDES AND THEIR UTILIZATION IN ELECTRONIC DEVICES. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NUMFOCUS, INC. PO BOX 90596 AUSTIN, TX 78709 | N/A PC | IN SUPPORT OF JULIACON 2017 (JUNE 20-24, 2017 IN BERKELEY, CA), WHICH BRINGS TOGETHER INDIVIDUALS FROM INDUSTRY AND ACADEMIA TO DISCUSS THE USE AND DEVELOPMENT OF THE JULIA PROGRAMMING LANGUAGE. | 5,000. |
| NUMFOCUS, INC. PO BOX 90596 AUSTIN, TX 78709 | N/A PC | IN SUPPORT OF DIVERSITY INITIATIVES AT JULIACON 2017 (JUNE 20-24, 2017 IN BERKELEY, CA). FUNDS WILL BE USED TOWARDS TRAVEL SCHOLARSHIPS AND REGISTRATION SCHOLARSHIPS FOR THE CONFERENCE. | 10,000. |
| NUMFOCUS, INC. PO BOX 90596 AUSTIN, TX 78709 | N/A PC | IN SUPPORT OF DIVERSITY INITIATIVES AT JULIACON 2018 TO BE HELD AUGUST 7-11, 2018 IN LONDON, SPECIFICALLY TO SUPPORT TRAVEL SCHOLARSHIPS, UNCONFERENCE SESSIONS, AND MENTORING FOR UNDERREPRESENTED GROUPS. | 2,000. |
| NUTRITION SITE COUNCIL OF SAN BRUNO, INC. 1555 CRYSTAL SPRINGS ROAD SAN BRUNO, CA 94066 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| OCEAN AWARENESS PROJECT, INC. 1530 P STREET NW WASHINGTON, DC 20005 | N/A PC | IN SUPPORT OF THE 2017 PETER BENCHLEY OCEAN AWARDS TO BE HELD ON MAY 11, 2017 IN WASHINGTON, D.C. | 17,000. |
| OCEAN CONSERVANCY, INC. 1300 19TH STREET NW, 8TH FLOOR WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 60,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| OMBUDSMAN SERVICES OF SAN MATEO COUNTY, INC. 711 NEVADA STREET REDWOOD CITY, CA 94061 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| ON LOK DAY SERVICES 1333 BUSH STREET SAN FRANCISCO, CA 94109 | N/A PC | IN SUPPORT OF THE ON LOK SAN JOSE CENTER. | 25,000. |
| ON LOK DAY SERVICES 1333 BUSH STREET SAN FRANCISCO, CA 94109 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS IN MEMORY OF ZIYING LU. | 500. |
| ONE HEALTH PLATFORM FOUNDATION ZEVENSTERSTRAAT 1 LAARNE BELGIUM 9270 | N/A PC | TO PROVIDE SUPPORT FOR THE ONE HEALTH PLATFORM 2018 CONGRESS, IN PARTICULAR THE SCIENTIFIC PROGRAM AND EARLY CAREER FELLOWS. | 59,000. |
| ONE HEALTH PLATFORM FOUNDATION ZEVENSTERSTRAAT 1 LAARNE BELGIUM 9270 | N/A PC | TO SUPPORT TO THE ONE HEALTH PLATFORM. | 31,500. |
| OUTREACH & ESCORT, INC. 221 OAKLAND ROAD SUITE 200 SAN JOSE, CA 95131 | N/A PC | IN SUPPORT OF THE SENIOR SERVICES PROGRAM. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| PACIFIC STROKE ASSOCIATION 3801 MIRANDA AVENUE, BUILDING 6, ROOM A-162 PALO ALTO, CA 94304 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| PANCREATIC CANCER ACTION NETWORK, INC. 1500 ROSECRANS AVENUE, SUITE 200 MANHATTAN BEACH, CA 90266 | N/A PC | IN SUPPORT OF TEAM IT'S ALL GOOD'S PARTICIPATION IN THE PURPLESTRIDE DFW. | 100. |
| PEAK GRANTMAKING, INC. 1666 K STREET, NW, SUITE 440 WASHINGTON, DC 20006 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 20,000. |
| PENINSULA HUMANE SOCIETY & SPCA 1450 ROLLINS ROAD BURLINGAME, CA 94010 | N/A PC | IN SUPPORT OF THE TOM AND ANNETTE LANTOS CENTER FOR COMPASSION. | 500. |
| PENINSULA VOLUNTEERS, INC. 800 MIDDLE AVENUE MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF ROSENER HOUSE ADULT DAY SERVICES. | 25,000. |
| PETS IN NEED 871 5TH AVENUE REDWOOD CITY, CA 94063 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| PHILADELPHIA AREA CENTER FOR HISTORY OF SCIENCE 431 CHESTNUT STREET PHILADELPHIA, PA 19106 | N/A PC | TO PROVIDE SUPPORT FOR THE CONSORTIUM, IN PARTICULAR TO HELP ENDOW ITS FELLOWSHIP PROGRAMS. | 70,000. |
| PHOEBE HOME, INC. 1925 W TURNER STREET ALLENTOWN, PA 18104 | N/A PC | FOR GENERAL SUPPORT IN MEMORY OF REV. DR. GRANT E. HARRITY. | 1,000. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PLANNED PARENTHOOD MAR MONTE, INC. 1691 THE ALAMEDA SAN JOSE, CA 95126 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PRESIDENT AND FELLOWS OF HARVARD COLLEGE 60 GARDEN STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF A WORKSHOP WHERE THE COSMIC MICROWAVE BACKGROUND OBSERVATIONAL AND THEORETICAL COMMUNITY WILL WORK TOGETHER TO DEFINE THE 'STAGE-4' GROUND-BASED CMB EXPERIMENT. | 7,000. |
| PRESIDENT-BOARD OF TRUSTEES SANTA CLARA COLLEGE OSHER LIFELONG LEARNING CENTER 500 EL CAMINO REAL SANTA CLARA, CA 95053 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| RANDOM ACTS OF FLOWERS 3501 EDISON WAY MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| RAPID SCIENCE, INC. 430 4TH STREET BROOKLYN, NY 11215 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF AN OPEN, COLLABORATIVE COMMUNICATIONS PLATFORM FOR THE CLINICAL AND RESEARCH COMMUNITY. | 50,000. |
| REED INSTITUTE 3203 SOUTHEAST WOODSTOCK BLVD PORTLAND, OR 97202 | N/A PC | IN SUPPORT OF 15 UNDERGRADUATE SENIORS IN THE DIVISION OF MATH AND NATURAL SCIENCES (MNS) AT REED COLLEGE TO TRAVEL AND PRESENT AT A MAJOR SCIENTIFIC RESEARCH CONFERENCE. | 20,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 4415 CHEM ANNEX, ONE SHIELDS AVENUE DAVIS, CA 95616-5270 | N/A GOV | IN SUPPORT OF A SUMMER SCHOOL WHICH WILL BRING TOGETHER YOUNG CONDENSED MATTER PHYSICISTS FROM ACROSS THE USA AND EUROPE WHO WILL STUDY NEW CONCEPTS IN THE FIELD OF UNCONVENTIONAL SUPERCONDUCTIVITY. | 30,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 101 ZELLERBACH HALL, #4800 BERKELEY, CA 94720-4800 | N/A GOV | IN SUPPORT OF GENERAL OPERATIONS FOR CAL PERFORMANCES. | 10,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1850 RESEARCH PARK DRIVE, SUITE 300 DAVIS, CA 95618-6153 | N/A GOV | IN SUPPORT OF A CONVENING TO DISCUSS WAYS THAT SCIENTISTS, MAJOR SCIENTIFIC ORGANIZATIONS, RESEARCH UNIVERSITIES, SCIENCE MUSEUMS, AND FOUNDATIONS CAN EFFECTIVELY PARTNER TO IDENTIFY, CONNECT, AND EXPAND OPPORTUNITIES FOR PRODUCTIVE SCIENTIST INVOLVEMENT IN BROAD EDUCATION AND PUBLIC ENGAGEMENT EFFORTS. | 37,125. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE, JACOBS HALL, EB1, 2ND FLOOR LA JOLLA, CA 92093 | N/A GOV | TO SUPPORT THE RESEARCH OF PATRICK MERCIER. | 25,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1 CENTENNIAL DRIVE BERKELEY, CA 94720-5200 | N/A GOV | IN SUPPORT OF THE RENOVATION OF EXISTING LAB SPACE TO CREATE A BIOTECHNOLOGY LABORATORY FOR USE AS SCIENCE EDUCATION SPACE. | 25,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA ONE SHIELDS AVENUE DAVIS, CA 95616 | N/A GOV | TO SUPPORT A FUNCTIONING ENDOWMENT TO BE USED AT THE DIRECTOR'S DISCRETION. | 25,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1 SHIELDS AVENUE DAVIS, CA 95616 | N/A GOV | IN SUPPORT OF THE 9TH CONFERENCE IN A SERIES OF MEETINGS ON ALL ASPECTS OF HIGHLY FRUSTRATED MAGNETISM, TO BE HELD IN JULY 9-14, 2018 IN DAVIS, CA. | 20,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 415 20TH STREET 4TH FLOOR OAKLAND, CA 94612 | N/A GOV | IN SUPPORT OF A COMMUNITY DRIVEN CONFERENCE IN PORTLAND, OR ON MAY 2-3, 2017 TO INFORM AND DEVELOP BEST PRACTICES IN DATA-DRIVEN RESEARCH. | 30,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 142 LIFE SCIENCES ADDITION #3200 BERKELEY, CA 94720-3200 | N/A GOV | IN SUPPORT OF THE 2017 INTERNATIONAL CHOANOFAGELLATE WORKSHOP, TO BE HELD MAY 31-JUNE 3, 2017, IN BERKELEY, CA. | 7,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 1850 RESEARCH PARK DRIVE DAVIS, CA 95618 | N/A GOV | IN SUPPORT OF THE COMPLETION OF THE INTERIOR OF THE BETTY IRENE MOORE HALL AT THE UC DAVIS BETTY IRENE MOORE SCHOOL OF NURSING THROUGH THE PURCHASE OF PERMANENT ART INSTALLATIONS. | 100,000. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 415 20TH STREET 4TH FLOOR OAKLAND, CA 94612 | N/A GOV | IN SUPPORT OF THE PIDAPALOOZA 2018 CONFERENCE, A TWO-DAY PERSISTENT IDENTIFIER FESTIVAL THAT INCLUDES A MIXTURE OF DEMOS, WORKSHOPS, BRAINSTORMING AND UPDATES ON THE STATE OF THE ART TO BE HELD JANUARY 23-24, 2018 IN SPAIN. | 15,000. |
| REGENTS OF THE UNIVERSITY OF MICHIGAN DANA BUILDING, 440 CHURCH STREET ANN ARBOR, MI 48109-1041 | N/A GOV | IN SUPPORT OF THE ROSINA M. BIERBAUM AWARD IN CLIMATE ADAPTATION AND MITIGATION. | 10,000. |
| REGENTS OF THE UNIVERSITY OF MICHIGAN DANA BUILDING, 440 CHURCH STREET ANN ARBOR, MI 48109-1041 | N/A GOV | IN GENERAL SUPPORT OF PHD EDUCATION. | 10,000. |
| REGENTS OF THE UNIVERSITY OF MICHIGAN DANA BUILDING, 440 CHURCH STREET ANN ARBOR, MI 48109-1041 | N/A GOV | IN SUPPORT OF THE DEAN'S ENGINEERING SUSTAINABLE SYSTEMS FELLOWSHIP. | 10,000. |
| RESOURCES LEGACY FUND 555 CAPITOL MALL, SUITE 1095 SACRAMENTO, CA 95814 | N/A PC | TO SUPPORT THE COLLECTIVE ACTION FUND FOR ACCOUNTABILITY, RESILIENCE AND ADAPTATION PROJECT. | 100,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| RIEKES CENTER FOR HUMAN ENHANCEMENT 3455 EDISON WAY MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS AND THE CAOITAL CAMPAIGN. | 10,000. |
| ROSS SCHOOL FOUNDATION PO BOX 582 ROSS, CA 94957 | N/A PC | IN SUPPORT OF THE ANNUAL FUND. | 2,000. |
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY ASB III - 3 RUTGERS PLAZA NEW BRUNSWICK, NJ 08901 | N/A GOV | IN SUPPORT OF THE 4TH INTERNATIONAL MOLECULAR LIFE OF DIATOMS MEETING TO BE HELD JULY 9-13, 2017, IN KOBE, JAPAN. | 15,000. |
| RUTGERS THE STATE UNIVERSITY OF NEW JERSEY 136 FRELINGHUYSEN RD PISCATAWAY, NJ 08854 | N/A GOV | IN SUPPORT OF THE QUANTUM MATERIALS SYMPOSIUM 2017 WHICH WILL FOCUS ON TRANSFORMATIVE QUESTIONS FRAMED AROUND THE KEY CHALLENGES OF THE DESIGN, SYNTHESIS, PROPERTIES, AND APPLICATIONS OF QUANTUM MATERIALS. | 30,000. |
| RUTGERS UNIVERSITY FOUNDATION 7 COLLEGE AVENUE - WINANTS HALL NEW BRUNSWICK, NJ 08901-1261 | N/A PC | TO PROVIDE SUPPORT FOR THE BIG TEN WOMEN IN SCIENCE SUMMIT AT DOUGLASS RESIDENTIAL COLLEGE. | 75,000. |
| RUTGERS UNIVERSITY FOUNDATION 7 COLLEGE AVENUE - WINANTS HALL NEW BRUNSWICK, NJ 08901-1261 | N/A PC | IN SUPPORT OF THE FEDERATION OF EUROPEAN MICROBIOLOGICAL SOCIETIES 7TH CONGRESS OF EUROPEAN MICROBIOLOGISTS, TO BE HELD JULY 9-13, 2017 IN VALENCIA, SPAIN. | 7,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SAN FRANCISCO MUSEUM AT THE PALACE,, INC. 654 SACRAMENTO STREET SUITE 300 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF LEGAL SERVICES AND PLANNING FOR THE PROPOSED MUSEUM PROJECT. | 50,000. |
| SAN FRANCISCO MUSEUM OF MODERN ART 151 THIRD STREET SAN FRANCISCO, CA 94103-3159 | N/A PC | IN SUPPORT OF THE DIRECTOR'S CIRCLE. | 20,000. |
| SAN FRANCISCO MUSEUM OF MODERN ART 151 THIRD STREET SAN FRANCISCO, CA 94103-3159 | N/A PC | IN SUPPORT OF THE MATISSE/DIEBENKORN EXHIBITION. | 25,000. |
| SAN FRANCISCO SOCIETY FOR THE PREVENTION OF CRUELTY 201 ALABAMA STREET SAN FRANCISCO, CA 94103-4217 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SARATOGA AREA SENIOR COORDINATING COUNCIL 19655 ALLENDALE AVENUE SARATOGA, CA 95070 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| SCIENTIFIC COMMITTEE ON OCEANIC RESEARCH 222 S CHAPEL STREET, 111 ROBINSON HALL NEWARK, DE 19716 | N/A PC | IN SUPPORT OF THE DEVELOPMENT OF A BEST PRACTICE GUIDE FOR CONDUCTING MULTIPLE STRESSOR EXPERIMENTS ON MARINE BIOTA, COORDINATED BY THE SCIENTIFIC COMMITTEE ON OCEANIC RESEARCH WORKING GROUP 149. | 5,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| SEATTLE CANCER CARE ALLIANCE 825 EASTLAKE AVE E SEATTLE, WA 98109 | N/A PC | IN SUPPORT OF THE RESEARCH AND WORK OF LAURA CHOW, M.D.. | 100. |
| SECOND HARVEST FOOD BANK OF SANTA CLARA AND SAN MA 750 CURTNER AVENUE SAN JOSE, CA 95125-2118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| SECOND HARVEST FOOD BANK OF SANTA CLARA AND SAN MA 750 CURTNER AVENUE SAN JOSE, CA 95125-2118 | N/A PC | IN SUPPORT OF THE BROWN BAG PROGRAM FOR SENIORS. | 25,000. |
| SECOND HARVEST FOOD BANK OF SANTA CLARA AND SAN MA 750 CURTNER AVENUE SAN JOSE, CA 95125-2118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SELF-HELP FOR THE ELDERLY 50TH E 5TH STREET SAN MATEO, CA 94401 | N/A PC | IN SUPPORT OF THE SAN MATEO ACTIVITY AND SOUTH BAY COMMUNITY CENTERS. | 25,000. |
| SENIOR ADULTS LEGAL ASSISTANCE 1425 KOLL CIRCLE, SUITE 109 SAN JOSE, CA 95112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SESAME WORKSHOP 1900 BROADWAY NEW YORK, NY 10023 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SIERRA CLUB FOUNDATION 2101 WEBSTER STREET, SUITE 1250 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF THE GRAND CANYON CHAPTER. | 100. |
| SOCIETY FOR CONSERVATION BIOLOGY 1133 15TH STREET NW, SUITE 300 WASHINGTON, DC 20005 | N/A PC | TO SUPPORT TRAVEL OF CONGRESS PARTICIPANTS WHO WILL ENGAGE IN TALKS OR SYMPOSIA THAT ARE RELATED TO THE MOORE FOUNDATION'S GOALS OF IMPROVING CONSERVATION AND MANAGEMENT IN PROTECTED AREAS AND INDIGENOUS LANDS AT THE INTERNATIONAL CONGRESS FOR CONSERVATION BIOLOGY TO BE HELD FROM JULY 23-27, 2017 IN CARTAGENA, COLOMBIA. | 7,000. |
| SOCIETY FOR MEDICAL DECISION MAKING, INC. 390 AMWELL ROAD, SUITE 402 HILLSBOROUGH, NJ 08844 | N/A PC | IN SUPPORT OF THE 39TH ANNUAL MEETING: BETTER DECISIONS THROUGH BETTER DATA PROCESSES TO BE HELD OCTOBER 22-25, 2017 IN PITTSBURGH, PA. | 20,000. |
| SOCIETY TO IMPROVE DIAGNOSIS IN MEDICINE, INC. 1501 HINMAN AVENUE EVANSTON, IL 60201 | N/A PC | IN SUPPORT OF THE SIDM 2017 CONFERENCE TO BE HELD OCTOBER 8-10, 2017 IN BOSTON, MA. | 50,000. |
| SONOMA LAND TRUST 822 FIFTH STREET SANTA ROSA, CA 95404 | N/A PC | IN SUPPORT OF THE SONOMA LAND TRUST'S INITIAL PLANNING AND ASSESSMENT EFFORTS AFTER THE FIRES THAT RECENTLY RAVAGED SONOMA AND NAPA COUNTIES. | 15,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| SOUTH COUNTY COMMUNITY HEALTH CENTER, INC. 1885 BAY ROAD EAST PALO ALTO, CA 94303 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SOUTHERN POVERTY LAW CENTER, INC. 400 WASHINGTON AVENUE MONTGOMERY, AL 36104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS IN MEMORY OF ADRIENNE CAMPBELL. | 1,000. |
| ST ARCHANGEL MICHAEL SERBIAN EASTERN ORTHODOX CHU 18870 ALLENDALE AVENUE SARATOGA, CA 95070 | N/A PC | TO SUPPORT THE NEW CHURCH BUILDING FUND IN MEMORY OF JEROME DAVIDOVICH. | 1,000. |
| ST JOSEPH'S CHURCH 47 DEPAUL STREET EMMITSBURG, MD 21727 | N/A PC | A MEMORIAL CONTRIBUTION IN SUPPORT OF THE FUND FOR THE POOR. | 1,000. |
| STANFORD HEALTH CARE PO BOX 20466 STANFORD, CA 94309 | N/A PC | TO PROVIDE GENERAL SUPPORT FOR STANFORD HOSPITAL. | 25,000. |
| STRATEGIC EDUCATION RESEARCH PARTNERSHIP INSTITUTE 1100 CONNECTICUT AVENUE NW, SUITE 1310 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 60,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SUPPORTERS OF DOELGER SENIOR CENTER, INC. WESTLAKE PARK, 101 LAKE MERCED BOULEVARD DALY CITY, CA 94015-1048 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| SUSTAINABLE FOOD ALLIANCE,, INC. 1000 N WEST STREET WILMINGTON, DE 19801 | N/A PC | TO SUPPORT THE PARTICIPATION OF THE SUSTAINABLE FOOD TRUST IN THE TEEB-FOOD PROJECT. | 45,000. |
| TAHOE MARITIME MUSEUM, INC. PO BOX 627 HOMEWOOD, CA 96141 | N/A PC | IN SUPPORT OF THE CAMPUS CAPITAL CAMPAIGN. | 15,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305 | N/A PC | IN SUPPORT OF THE DEVELOPMENT AND TESTING OF SCIENTIFICALLY ACCURATE, VIRTUAL REALITY SIMULATIONS OF OCEAN ACIDIFICATION. | 5,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305 | N/A PC | TO PROVIDE SUPPORT FOR THE GLOBAL HEALTH FUND - GHBRI - EFFORTS IN PLANETARY HEALTH. | 50,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO VARIAN PHYSICS BUILDING, 382 VIA PUEBLO MALL STANFORD, CA 94305-4060 | N/A PC | IN SUPPORT OF A WORKSHOP AIMING TO IDENTIFY THE FUNDAMENTAL MECHANISMS OF ELECTRON BEHAVIOR IN CUPRATES. | 20,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| THE BRANSON SCHOOL 39 FERNHILL AVENUE, PO BOX 887 ROSS, CA 94957 | N/A PC | IN SUPPORT OF THE ANNUAL FUND. | 5,000. |
| THE CONSERVATION FUND A NONPROFIT CORPORATION 1655 NORTH FORT MYER DRIVE, SUITE 1300 ARLINGTON, VA 22209-3199 | N/A PC | IN SUPPORT OF THE CONSERVATION FINANCE NETWORK, NOW A PROGRAM OF THE CONSERVATION FUND, AND THEIR EFFORTS TO DEVELOP A COMMUNITY OF PRACTICE AROUND CONSERVATION FINANCE TO DRIVE INNOVATION AND IMPORTANT, TANGIBLE CONSERVATION BENEFIT THROUGH INVESTMENT. | 35,000. |
| THE EVERGREEN STATE COLLEGE 2700 EVERGREEN PARKWAY NW OLYMPIA, WA 98505 | N/A GOV | IN SUPPORT OF THE VIRUSES OF MICROBES V MEETING TO BE HELD JULY 9-13, 2018 IN WROCLAW, POLAND. | 7,500. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF DENNIS BARTEL'S FUND OR GENERAL OPERATIONS. | 50,000. |
| THE OHIO STATE UNIVERSITY 484 WEST 12TH AVENUE COLUMBUS, OH 43210 | N/A GOV | IN SUPPORT OF A TRAINING WORKSHOP TO LEARN TECHNIQUES IN VIRUS SEQUENCE ANALYSIS, TO BE HELD OCTOBER 18-20, 2017 IN COLUMBUS, OH. | 15,000. |
| THE PAINTED TURTLE 1300 4TH STREET, SUITE 300 SANTA MONICA, CA 90401 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| THE TECH MUSEUM OF INNOVATION 201 SOUTH MARKET STREET SAN JOSE, CA 95113 | N/A PC | IN SUPPORT OF HOSTING AND NETWORKING EVENTS AT THE 2017 ASSOCIATION OF SCIENCE AND TECHNOLOGY CENTERS ANNUAL MEETING TO BE HELD OCTOBER 21-24, IN SAN JOSE, CA. | 165,000. |
| THIRD SECTOR NEW ENGLAND, INC. THE NONPROFIT CENTER, 89 SOUTH STREET, SUITE 202 BOSTON, MA 02111 | N/A PC | TO PROVIDE SUPPORT FOR OCEAN POLICY ANALYSIS AND INFORMATION. | 45,000. |
| THIS IS MY EARTH, INC. 125 MAIDEN LANE, SUITE 8B NEW YORK, NY 10038 | N/A PC | TO PROVIDE SUPPORT FOR THE WOOLLY MONKEY HABITAT CAMPAIGN. | 5,200. |
| THUNDERBIRD LODGE PRESERVATION SOCIETY 316 CALIFORNIA AVENUE, SUITE 36 RENO, NV 89509 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |
| TIDES CANADA FOUNDATION 400-163 HASTINGS STREET VANCOUVER BC CANADA V6B 1H5 | N/A PC | TO SUPPORT THE EFFORTS OF THE ARCTIC FUNDERS COLLABORATIVE'S SECRETARIAT TO COORDINATE CONVENINGS OF ARCTIC FUNDERS, STRENGTHEN CORPORATE UNDERSTANDING OF EACH FUNDER'S PRIORITIES AND STRATEGIES, AND BROADEN THE TENT OF ARCTIC FUNDERS. | 25,000. |
| TIDES CANADA FOUNDATION 400-163 HASTINGS STREET VANCOUVER BC CANADA V6B 1H5 | N/A PC | IN SUPPORT OF AN INDIGENOUS LEADERSHIP GATHERING. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| TROUT UNLIMITED 1777 N KENT STREET, SUITE 100 ARLINGTON, VA 22209 | N/A PC | TO SUPPORT NELLI WILLIAMS' LEADERSHIP OF THE ALASKA PROGRAM. | 50,000. |
| TRUST FOR PUBLIC LAND 101 MONTGOMERY STREET, SUITE 900 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |
| TRUSTEES OF PRINCETON UNIVERSITY 50-70 OLDEN STREET PRINCETON, NJ 08540 | N/A PC | TO SUPPORT THE RESEARCH OF RODNEY PRIESTLEY. | 25,000. |
| UMPS CARE CHARITIES, INC. 301 HOLLY ROAD EDGEWATER, MD 21037 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| UNION OF CONCERNED SCIENTISTS, INC. TWO BRATTLE SQUARE, 6TH FLOOR CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF THE HENRY KENDRALL SOCIETY. | 1,000. |
| UNIVERSITE PIERRE ET MARIE CURIE 4 PLACE JUSSIEU PARIS FRANCE 75252 | N/A PC | IN SUPPORT OF A WORKSHOP FOR EXPERIMENTAL MODEL SYSTEMS RESEARCHERS AT THE 4TH INTERNATIONAL MOLECULAR LIFE OF DIATOMS MEETING. | 3,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| UNIVERSITE PIERRE ET MARIE CURIE LABORATOIRE ARAGO, AVENUE PIERRE BANYULS-SUR-MER FRANCE 66650 | N/A PC | IN SUPPORT OF THE 2ND SOUTH ASIA THEMATIC SCHOOL IN AQUATIC MICROBIAL ECOLOGY TO BE HELD OCTOBER 29-NOVEMBER 12, 2017 AT THE NATIONAL INSTITUTE OF OCEAN TECHNOLOGY, ANDAMAN ISLANDS, INDIA. | 10,000. |
| UNIVERSITY OF ALBERTA 3RD FLOOR ADMINISTRATION BUILDING EDMONTON AB CANADA T6G 2M7 | N/A GOV | IN SUPPORT OF THE 5TH INTERNATIONAL CONFERENCE ON NITRIFICATION AND RELATED PROCESSES, TO BE HELD FROM JULY 23-27, 2017 IN VIENNA, AUSTRIA. | 7,500. |
| UNIVERSITY OF ARIZONA FOUNDATION 1111 N CHERRY AVENUE TUCSON, AZ 85721-0109 | N/A PC | IN SUPPORT OF UNRESTRICTED SUPPORT TO THE COLLEGE OF ENGINEERING, DEAN'S DISCRETION. | 10,000. |
| UNIVERSITY OF ARIZONA FOUNDATION 1111 N CHERRY AVENUE TUCSON, AZ 85721-0109 | N/A PC | IN SUPPORT OF THE MARC AARONSON PRIZE EVENT TO BE HELD IN APRIL 2017. | 25,000. |
| UNIVERSITY OF BRITISH COLUMBIA #103-6190 AGRONOMY ROAD VANCOUVER BC CANADA V6T 1Z3 | N/A PC | IN SUPPORT OF A FINAL SYNTHESIS WORKSHOP FOR THE PROJECT, "UNCOVERING THE COMPLEX NUTRITIONAL MODES OF MICROBIAL EUKARYOTES". | 10,000. |
| UNIVERSITY OF CALIFORNIA BERKELEY FOUNDATION 1995 UNIVERSITY AVENUE, SUITE 401 BERKELEY, CA 94704-1058 | N/A PC | IN SUPPORT OF THE FACULTY CLUB RENOVATION CAMPAIGN #H0201. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| UNIVERSITY OF CALIFORNIA BERKELEY FOUNDATION 1995 UNIVERSITY AVENUE, SUITE 401 BERKELEY, CA 94704-1058 | N/A PC | TO PROVIDE SUPPORT FOR THE PHYSICS FACULTY PROGRAM THROUGH THE SECOND JOINT WORKSHOP BETWEEN THE EPIQS INITIATIVE AND THE TOPO-Q PROGRAM (JAPAN), WHICH WILL FOCUS ON CURRENT TOPICS IN TOPOLOGICAL MATERIALS. | 30,000. |
| UNIVERSITY OF CALIFORNIA BERKELEY FOUNDATION 1995 UNIVERSITY AVENUE, SUITE 401 BERKELEY, CA 94704-1058 | N/A PC | TO PROVIDE GENERAL OPERATING SUPPORT FOR THE BANCROFT LIBRARY ORAL HISTORY CENTER. | 30,000. |
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS FOR THE SCIENCE AND HEALTH EDUCATION PARTNERSHIP. | 40,000. |
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF THE 2017 BAY AREA SCIENCE FESTIVAL. | 12,500. |
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF THE 2017 BAY AREA SCIENCE FESTIVAL. | 12,500. |
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF THE CARDIOLOGY COUNCIL. | 15,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF PRODUCTION OF A PROCEDURE VIDEO ON FAMILY MEETINGS IN THE ICU SETTING. | 20,000. |
| UNIVERSITY OF CHICAGO 5734 SOUTH ELLIS AVENUE CHICAGO, IL 60637 | N/A PC | IN SUPPORT OF A FINAL SYNTHESIS WORKSHOP, "QUANTIFYING NUTRIENT-VIRUS-PHYTOPLANKTON AND THEIR IMPACTS ON MARINE BIOGEOCHEMISTRY." | 5,900. |
| UNIVERSITY OF COLORADO FOUNDATION 1380 LAWRENCE STREET, SUITE 1325 DENVER, CO 80204 | N/A PC | TO SUPPORT THE GOVERNORS CLIMATE AND FOREST ANNUAL MEETING AT THE UNIVERSITY OF COLORADO AT BOULDER, SCHOOL OF LAW, WHICH WILL CONVENE KEY STAKEHOLDERS FROM THE BRAZILIAN AMAZON AND CERRADO TO SEEK ALIGNMENT BETWEEN PRODUCER GOVERNMENTS AND CORPORATE DEFORESTATION COMMITMENTS. | 50,000. |
| UNIVERSITY OF EXETER MAIL ROOM, THE OLD LIBRARY EXETER DEVON UNITED KINGDOM EX4 4SB | N/A PC | IN SUPPORT OF THE EMBO WORKSHOP ON COMPARATIVE GENOMICS OF EUKARYOTIC MICROBES: DISSECTING SOURCES OF EVOLUTIONARY DIVERSITY, TO BE HELD OCTOBER 14-19, 2017 IN SANT FELIU DE GUIXOLS, SPAIN. | 7,500. |
| UNIVERSITY OF FLORIDA BOARD OF TRUSTEES 319 GRINTER HALL, PO BOX 115531 GAINESVILLE, FL 32611 | N/A GOV | TO BETTER UNDERSTAND THE COMPLEX SITUATION OF THE ORGANIZATIONS AND COMMUNITIES OF THE ISIBORO SECURE INDIGENOUS TERRITORY AND NATIONAL PARK (TIPNIS), IN ORDER TO CONTRIBUTE TO BOTH STRENGTHENING SOCIAL AND ORGANIZATIONAL LOCAL CAPACITIES, AND BETTER UNDERSTANDING THE SOCIAL AND ENVIRONMENTAL IMPACTS OF THE CONSTRUCTION OF THE VILLA TUNARI -SAN IGNACIO DE MOXOS HIGHWAY. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| UNIVERSITY OF HAWAII FOUNDATION 2444 DOLE STREET, BACHMAN HALL 105 HONOLULU, HI 96822-2388 | N/A PC | IN SUPPORT OF ACTIVITIES AT THE 'IMILOA ASTRONOMY CENTER OF HAWAII. | 5,000. |
| UNIVERSITY OF MARYLAND COLLEGE PARK FOUNDATION 4603 CALVERT ROAD COLLEGE PARK, MD 20740 | N/A PC | IN SUPPORT OF THE SCHOOL OF PUBLIC POLICY, DEAN'S FUND. | 15,000. |
| UNIVERSITY OF MARYLAND COLLEGE PARK FOUNDATION 4603 CALVERT ROAD COLLEGE PARK, MD 20740 | N/A PC | IN SUPPORT OF THE FUNDAMENTALS OF QUANTUM MATERIALS WINTER SCHOOL AND WORKSHOP, WHICH WILL BRING TOGETHER SENIOR AND JUNIOR SCIENTISTS TO ADDRESS TOPICS AT THE FOREFRONT OF CURRENT RESEARCH INTO QUANTUM MATERIALS AND MATERIAL SYNTHESIS, WHILE ALSO PROVIDING PEDAGOGICAL BACKGROUND AND PRACTICAL TRAINING FOR JUNIOR SCIENTISTS. | 30,000. |
| UNIVERSITY OF MONTANA FOUNDATION 600 CONNELL AVENUE MISSOULA, MT 59812 | N/A PC | IN SUPPORT OF THE WILDLIFE BIOLOGY PROGRAM. | 3,000. |
| UNIVERSITY OF MONTANA FOUNDATION 600 CONNELL AVENUE MISSOULA, MT 59812 | N/A PC | IN SUPPORT OF THE WILDLIFE BIOLOGY PROGRAM. | 2,000. |
| UNIVERSITY OF NEBRASKA FOUNDATION 1010 LINCOLN MALL, SUITE 300 LINCOLN, NE 68508 | N/A PC | IN SUPPORT OF THE 9TH AQUATIC VIRUS WORKSHOP TO BE HELD JUNE 17-21, 2018 IN LINCOLN, NE. | 12,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| UNIVERSITY OF PITTSBURGH 742 BENEDUM HALL PITTSBURGH, PA 15261 | N/A GOV | TO SUPPORT THE RESEARCH OF LEANNE GILBERTSON. | 25,000. |
| UNIVERSITY OF SOUTHERN CALIFORNIA 3551 TROUSDALE PARKWAY, SUITE 160 LOS ANGELES, CA 90089 | N/A PC | TO PROVIDE SUPPORT FOR THE TYLER PRIZE CONABIO PROJECT. | 15,000. |
| UNIVERSITY OF WASHINGTON BOX 357940 SEATTLE, WA 98195-7940 | N/A GOV | IN SUPPORT OF THE 7TH INTERNATIONAL CONFERENCE ON POLAR AND ALPINE MICROBIOLOGY TO BE HELD SEPTEMBER 8-12, 2017 IN NUUK, GREENLAND. | 7,500. |
| UNIVERSITY OF WASHINGTON PAUL G. ALLEN CENTER, 185 STEVENS WAY, BOX 352350 SEATTLE, WA 98195 | N/A GOV | IN SUPPORT OF ASTROHACKWEEK 2017, A WEEK LONG WORKSHOP THAT COMBINES SUMMER SCHOOL AND UNCONFERENCE TO BE HELD FROM AUGUST 28 - SEPTEMBER 1, 2017 IN SEATTLE, WA. | 6,000. |
| UNIVERSITY SYSTEM OF GEORGIA 220 MARINE SCIENCES BUILDING ATHENS, GA 30602 | N/A GOV | IN SUPPORT OF THE PUBLICATION FEES FOR A SPECIAL ISSUE TITLED "THE AMAZON RIVER-OCEAN CONTINUUM" IN FRONTIERS IN MARINE SCIENCE. | 17,100. |
| UNIVERSITY SYSTEM OF GEORGIA 10 OCEAN SCIENCE CIRCLE SAVANNAH, GA 31411 | N/A GOV | IN SUPPORT OF COVERING THE PUBLICATION FEES FOR AN ARTICLE ON OCEAN NUTRIENTS IN THE ENVIRONMENTAL SCIENCE JOURNAL FOR KIDS. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| URU THE RIGHT TO BE, INC. PO BOX 26925 WEST HAVEN, CT 06516-0968 | N/A PC | IN SUPPORT OF THE NATIONAL EDUCATION AND ENGAGEMENT INITIATIVE, CHANGING THE FACE OF STEM. | 25,000. |
| VANDERBILT UNIVERSITY 221 KIRKLAND HALL NASHVILLE, TN 37240 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100,000. |
| WATERKEEPER ALLIANCE 180 MAIDEN LANE NEW YORK, NY 10038 | N/A PC | TO SUPPORT THE DEER VALLEY ANNUAL GENERAL MEETING. | 10,000. |
| WATERKEEPER ALLIANCE 180 MAIDEN LANE NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 30,000. |
| WESLEYAN UNIVERSITY 45 WYLLYS AVENUE MIDDLETOWN, CT 06459 | N/A PC | IN SUPPORT OF FINANCIAL AID. | 25,000. |
| WIKIMEDIA FOUNDATION, INC. 149 NEW MONTGOMERY STREET, 6TH FLOOR SAN FRANCISCO, CA 94105 | N/A PC | IN SUPPORT OF AN EVENT IN TO BE HELD IN VIENNA IN MAY 2017 FOCUSED ON CURRENT EFFORTS AND PROGRESS TOWARD THE GOALS OF STRUCTURED, SEPARABLE CITATIONS ACROSS WIKIMEDIA PROJECTS. FUNDS WILL BE USED FOR GENERAL MEETING SUPPORT, OUTREACH, AND TRAVEL FOR ATTENDEES. | 20,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| WILDLIFE CONSERVATION NETWORK, INC. 209 MISSISSIPPI STREET SAN FRANCISCO, CA 94107 | N/A PC | TO SUPPORT THE ANNUAL WILDLIFE CONSERVATION NETWORK EXPO, A COMMUNITY EDUCATION EVENT TO BE HELD ON OCTOBER 14, 2017 IN SAN FRANCISCO, CA. | 10,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,500. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO CREATE A PLATFORM THAT INTEGRATES CIVIL SOCIETY ORGANIZATIONS IN ORDER TO SHARE INFORMATION ON THE HIDROVIA AMAZONAS IN LORETO AND ALLOWS THEM TO TAKE COORDINATED ACTION ON THE WATERWAY. | 14,000. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | IN SUPPORT OF WORK ON THE ILLEGAL WILDLIFE TRADE. | 1,000. |
| WONDERFEST 47 ALTA WAY CORTE MADERA, CA 94925 | N/A PC | IN SUPPORT OF THE SCIENCE ENVOY PROGRAM. | 7,000. |
| WOODS HOLE OCEANOGRAPHIC INSTITUTION 266 WOODS HOLE ROAD WOODS HOLE, MA 02543-1052 | N/A PC | TO SUPPORT THE RESEARCH OF ANNA MICHEL. | 25,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO PROVIDE AN OVERALL TOTAL VOLUME OF SEAFOOD ACROSS WWF PARTNERSHIPS IN EUROPE. | 50,000. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO BUILD AWARENESS AND CAPACITY OF STAKEHOLDERS IN THE ANDES-AMAZON ABOUT NATURAL CAPITAL INFORMED DECISION-MAKING. | 15,000. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | TO SUPPORT PREPARATION AND MEETING ORGANIZATION FOR A STRATEGY CONVENING FOR THE COLLABORATION FOR FORESTS AND AGRICULTURE. | 15,000. |
| YOUNG AT HEART PROJECT 18488 PROSPECT ROAD, SUITE 11 SARATOGA, CA 95070 | N/A PC | IN SUPPORT OF THE WORK IN SANTA CLARA AND SAN MATEO COUNTIES. | 25,000. |
| YU-AI KAI-JAPANESE AMERICAN COMMUNITY SENIOR SERV 588 N 4TH STREET SAN JOSE, CA 95112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 25,000. |
| ZEN HOSPICE PROJECT, INC. 273 PAGE STREET SAN FRANCISCO, CA 94102 | N/A PC | IN SUPPORT OF EFFORTS ON CAREGIVER TRAINING. | 50,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| 350 ORG 20 JAY STREET SUITE 732 BROOKLYN, NY 11201 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| A BETTER CHANCE, INC. 253 W 35TH STREET 6TH FLOOR NEW YORK, NY 10001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| ACHIEVEMENT REWARDS FOR COLLEGE SCIENTISTS FOUNDAT PO BOX 29405 SAN FRANCISCO, CA 94129-0405 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| ACHIEVEMENT REWARDS FOR COLLEGE SCIENTISTS FOUNDAT PO BOX 29405 PRESIDIO OF SAN FRANCISCO SAN FRANCISCO, CA 94129 | N/A PC | IN SUPPORT OF THE ARCS NORTHERN CALIFORNIA CHAPTER'S 2016-17 SCHOLAR AWARDS CAMPAIGN IN HONOR OF BRUCE AND BETTY ALBERTS. | 200. |
| ACHIEVEMENT REWARDS FOR COLLEGE SCIENTISTS FOUNDAT PO BOX 29405 PRESIDIO OF SAN FRANCISCO SAN FRANCISCO, CA 94129 | N/A PC | TO SUPPORT THE AREA OF MOST NEED. | 4,000. |
| ALASKA PUBLIC TELECOMMUNICATIONS, INC. 3877 UNIVERSITY DRIVE ANCHORAGE, AK 99508 | N/A PC | IN SUPPORT OF ALASKA PUBLIC RADIO OPERATIONS. | 480. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| ALASKA PUBLIC TELECOMMUNICATIONS, INC. 3877 UNIVERSITY DRIVE ANCHORAGE, AK 99508 | N/A PC | IN SUPPORT OF PUBLIC RADIO. | 480. |
| ALASKA SEALIFE CENTER 301 RAILWAY AVENUE SEWARD, AK 99664-1329 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| ALIANZA AMERICAS 1638 S BLUE ISLAND AVENUE CHICAGO, IL 60608 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| ALL OUR KIDS, INC. 4421 17TH STREET NW WASHINGTON, DC 20011 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| ALLIANCE FOR CLIMATE PROTECTION 750 9TH STREET NW, SUITE 520 WASHINGTON, DC 20001 | N/A PC | TO PROVIDE GENERAL OPERATING SUPPORT FOR THE CLIMATE REALITY PROJECT. | 500. |
| ALS ASSOCIATION ORANGE COUNTY CHAPTER 3002 DOW AVENUE, UNIT 204 TUSTIN, CA 92780 | N/A PC | IN SUPPORT OF THE BEAT ALS MARATHON TEAM 2017. | 400. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| ALZHEIMER'S DISEASE AND RELATED DISORDERS ASSOCIAT 225 NORTH MICHIGAN AVENUE, SUITE 1700 CHICAGO, IL 60601 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 350. |
| ALZHEIMER'S DISEASE AND RELATED DISORDERS ASSOCIAT 225 NORTH MICHIGAN AVENUE, SUITE 1700 CHICAGO, IL 60601 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| ALZHEIMER'S DISEASE AND RELATED DISORDERS ASSOCIAT 225 NORTH MICHIGAN AVENUE, SUITE 1700 CHICAGO, IL 60601 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 600. |
| ALZHEIMER'S DISEASE AND RELATED DISORDERS ASSOCIAT 225 NORTH MICHIGAN AVENUE, SUITE 1700 CHICAGO, IL 60601 | N/A PC | IN SUPPORT OF THE 2017 WALK TO END ALZHEIMER'S - SAN LUIS OBISPO. | 240. |
| AMERICAN ACADEMY OF ARTS AND SCIENCES 136 IRVING STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| AMERICAN ACADEMY OF ARTS AND SCIENCES 136 IRVING STREET CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENC 1200 NEW YORK AVENUE NW WASHINGTON, DC 20005 | N/A PC | TO SUPPORT PUERTO RICAN SCIENCE THROUGH THE AAAS CARIBBEAN DIVISION. | 1,000. |
| AMERICAN CIVIL LIBERTIES UNION FOUNDATION, INC. 125 BROAD STREET, 18TH FLOOR NEW YORK, NY 10004-2400 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| AMERICAN CIVIL LIBERTIES UNION OF NC LEGAL FOUNDAT PO BOX 28004 RALEIGH, NC 27611 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| AMERICAN FUND FOR CHARITIES 1000 N WEST STREET SUITE 1200 WILMINGTON, DE 19801 | N/A PC | IN SUPPORT OF THE UNIVERSITY OF TORONTO SCHOOLS. | 2,000. |
| AMERICAN GATEWAYS 314 EAST HIGHLAND MALL BOULEVARD SUITE 501 AUSTIN, TX 78752 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| AMERICAN HEART ASSOCIATION, INC. 7272 GREENVILLE AVENUE DALLAS, TX 75231 | N/A PC | TO SUPPORT THE GREATER PORTLAND GO RED LUNCHEON. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| AMERICAN HEART ASSOCIATION, INC. 7272 GREENVILLE AVENUE DALLAS, TX 75231 | N/A PC | IN SUPPORT OF THE 2017 BAY AREA HEART WALK. | 200. |
| AMERICAN HEART ASSOCIATION, INC. 7272 GREENVILLE AVENUE DALLAS, TX 75231 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| AMERICAN LITTORAL SOCIETY 18 HARSHORNE DRIVE, SUITE 1 HIGHLANDS, NJ 07732 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| AMERICAN NATIONAL RED CROSS 431 18TH STREET NW WASHINGTON DC, DC 20006 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| AMERICAN PHILOSOPHICAL SOCIETY 104 S 5TH STREET PHILADELPHIA, PA 19106 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| AMERICAN PHILOSOPHICAL SOCIETY 104 S 5TH STREET PHILADELPHIA, PA 19106 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO 424 E 92ND STREET NEW YORK, NY 10128-6804 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| AMERICAN SOCIETY FOR THE PREVENTION OF CRUELTY TO 424 E 92ND STREET NEW YORK, NY 10128-6804 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| AMIGOS OF COSTA RICA, INC. 2101 L STREET, NW SUITE 800 WASHINGTON, DC 20037 | N/A SO I | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| AMIGOS OF COSTA RICA, INC. 2101 L STREET, NW SUITE 800 WASHINGTON, DC 20037 | N/A SO I | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| AMIGOS OF COSTA RICA, INC. 2101 L STREET, NW SUITE 800 WASHINGTON, DC 20037 | N/A SO I | IN SUPPORT OF GENERAL OPERATIONS. | 3,200. |
| ANGKOR4KIDS, INC. 1616 CINDY WAY PLEASANTON, CA 94566 | N/A PC | TO ASSIST CHILDREN IN ORPHANAGES IN CAMBODIA. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| ANIMAL WELFARE LEAGUE OF ARLINGTON VA, INC. 2650 S ARLINGTON MILL DRIVE ARLINGTON, VA 22206 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| ANIMALS ASIA FOUNDATION LIMITED 300 BROADWAY SUITE 32 SAN FRANCISCO, CA 94133 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| ANTI-DEFAMATION LEAGUE 605 THIRD AVENUE NEW YORK, NY 10158 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 72. |
| ANTI-DEFAMATION LEAGUE 605 THIRD AVENUE NEW YORK, NY 10158 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 150. |
| ARLINGTON PHILHARMONIC PO BOX 101103 ARLINGTON, VA 22210 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,200. |
| ASIAN ART MUSEUM FOUNDATION OF SAN FRANCISCO 200 LARKIN STREET SAN FRANCISCO, CA 94112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 16,668. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| AUBURN AUTOMOTIVE HERITAGE, INC. 1600 SOUTH WAYNE STREET AUBURN, IN 46706 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| AUTISM SPEAKS, INC. 1 EAST 33RD STREET, 4TH FLOOR NEW YORK, NY 10016 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 600. |
| AVIAN HAVEN 418 N PALERMO ROAD FREEDOM, ME 04941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| B NAI HA-ARETZ PO BOX 1835 REDWAY, CA 95560 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 360. |
| B NAI HA-ARETZ PO BOX 1835 REDWAY, CA 95560 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| BAND BOOSTERS OF SANTA CRUZ HIGH SCHOOL PO BOX 7024 SANTA CRUZ, CA 95061 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| BASENJI RESCUE AND TRANSPORT, INC. 7255 JERMYN COVE GERMANTOWN, TN 38138 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| BAY AREA OPEN SPACE COUNCIL 2150 ALLSTON WAY, SUITE 320 BERKELEY, CA 94704 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| BELMONT-REDWOOD SHORES PUBLIC SCHOOL FOUNDATION PO BOX 5196 BELMONT, CA 94002 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 4,000. |
| BENS BELLS, INC. 40 W BROADWAY BLVD TUCSON, AZ 85701 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| BERKELEY ATHLETIC FUND 1980 ALLSTON WAY BERKELEY, CA 94704 | N/A PC | TO SUPPORT THE BOYS' WATER POLO TEAM. | 400. |
| BEST BUDDIES INTERNATIONAL, INC. 100 SOUTHEAST 2ND STREET MIAMI, FL 33131 | N/A PC | IN SUPPORT OF THE BEST BUDDIES CHALLENGE, HYANNIS PORT. | 60. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| BEST FRIENDS ANIMAL SOCIETY 5001 ANGEL CANYON ROAD KANAB, UT 84741-5000 | N/A PC | IN SUPPORT OF HURRICANE HARVEY AND THE RECOVERY EFFORTS TO HELP REUNITE PETS WITH FAMILIES, AND HELP THE HOUSTON AREA RESCUE GROUPS AND SHELTERS REBUILD AND RECOVER. | 300. |
| BIG BROTHERS BIG SISTERS OF SOUTHWEST COLORADO PO BOX 2154 DURANGO, CO 81302 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| BIG BROTHERS BIG SISTERS OF THE BAY AREA 649 MISSION STREET, FIFTH FLOOR SAN FRANCISCO, CA 94105 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 5,000. |
| BIG BROTHERS BIG SISTERS OF THE BAY AREA 649 MISSION STREET, FIFTH FLOOR SAN FRANCISCO, CA 94105 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 7,532. |
| BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SY KELLNER HALL, 1440 MONROE STREET MADISON, WI 53711 | N/A GOV | IN SUPPORT OF SCHOLARSHIP ENDOWMENT. | 60,000. |
| BOYS & GIRLS CLUBS OF PUERTO RICO, INC. PO BOX 79526 CAROLINA, PR 00984-9526 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| BRONX RIVER ALLIANCE, INC. 1 BRONX RIVER PARKWAY BRONX, NY 10462 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 214. |
| BROOME COUNTY HUMANE SOCIETY AND RELIEF ASSOCIATIO 2 JACKSON STREET BINGHAMTON, NY 13903 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 600. |
| BUDDHI DHARMA LIEN GUO FOUNDATION 18715 132ND AVENUE NE WOODINVILLE, WA 98072 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 4,000. |
| BUDDHI DHARMA LIEN GUO FOUNDATION 18715 132ND AVENUE NE WOODINVILLE, WA 98072 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 4,000. |
| BUENA VISTA UNITED METHODIST CHURCH 2311 BUENA VISTA AVENUE ALAMEDA, CA 94501 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 12,400. |
| BUILDING EXCELLENT SCHOOLS, INC. 31 MILK STREET, FLOOR 6 BOSTON, MA 02109 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| BULLIS-PURISSIMA ELEMENTARY SCHOOL FOUNDATION 102 W PORTOLA AVENUE, PO BOX 1642 LOS ALTOS, CA 94022 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| BULLIS-PURISSIMA ELEMENTARY SCHOOL FOUNDATION 102 W PORTOLA AVENUE, PO BOX 1642 LOS ALTOS, CA 94022 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| BUSINESSES UNITED IN INVESTING LENDING AND DEVELOP 2385 BAY ROAD REDWOOD CITY, CA 94063 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| BUTTE COMMUNITY COLLEGE FOUNDATION 3536 BUTTE CAMPUS DRIVE OROVILLE, CA 95965 | N/A PC | TO SUPPORT THE PHOTOGRAPHY DEPARTMENT. | 3,000. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 8,000. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 398. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,656. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| CALIFORNIA ACADEMY OF SCIENCES 55 MUSIC CONCOURSE DRIVE, GOLDEN GATE PARK SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 598. |
| CALIFORNIA COUNCIL ON SCIENCE AND TECHNOLOGY 1130 K STREET, SUITE 280 SACRAMENTO, CA 95814 | N/A PC | IN SUPPORT OF THE CCST FELLOWS PROGRAM. | 9,332. |
| CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 EAST CALIFORNIA BOULEVARD PASADENA, CA 91125 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 20,000. |
| CALIFORNIA PACIFIC MEDICAL CENTER FOUNDATION PO BOX 7999 SAN FRANCISCO, CA 94120-7999 | N/A PC | TO SUPPORT THE MATHEWS ALS FAMILY FUND. | 600. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| CALIFORNIA POLICE ACTIVITIES LEAGUE 2000 E 14TH STREET SAN LEANDRO, CA 94577 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| CALIFORNIA STATE PARKS FOUNDATION 50 FRANCISCO STREET, SUITE 110 SAN FRANCISCO, CA 94133 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| CALIFORNIA STATE PARKS FOUNDATION 50 FRANCISCO STREET, SUITE 110 SAN FRANCISCO, CA 94133 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| CAMP KESEM NATIONAL PO BOX 452 CULVER CITY, CA 90232 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,276. |
| CAMPAIGN TO RETHINK SEXUAL VIOLENCE CULTURE 1355 SHEPHERD STREET NW UNIT 1 WASHINGTON, DC 20011 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| CARBONFUND ORG FOUNDATION 853 MAIN STREET EAST AURORA, NY 14052 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 758. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| CARLMONT HIGH SCHOOL 1400 ALAMEDA DE LAS PULGAS BELMONT, CA 94002 | N/A GOV | IN SUPPORT OF CARLMONT HIGH SCHOOL 2017 NEW YORK CHOIR PERFORMANCE. | 500. |
| CARLMONT HIGH SCHOOL 1400 ALAMEDA DE LAS PULGAS BELMONT, CA 94002 | N/A GOV | IN SUPPORT OF THE CARLMONT HIGH SCHOOL 2017 NEW YORK CHOIR PERFORMANCE. | 402. |
| CARLMONT HIGH SCHOOL 1400 ALAMEDA DE LAS PULGAS BELMONT, CA 94002 | N/A GOV | IN SUPPORT OF CARLMONT HIGH SCHOOL 2017 NEW YORK CHOIR PERFORMANCE. | 1,500. |
| CASA DE CLARA CATHOLIC WORKER 318 N 6TH STREET SAN JOSE, CA 95112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| CATHOLIC CHARITIES USA 2050 BALLENGER AVENUE, SUITE 400 ALEXANDRIA, VA 22314 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| CATHOLIC CHARITIES USA 2050 BALLENGER AVENUE, SUITE 400 ALEXANDRIA, VA 22314 | N/A PC | TO SUPPORT HURRICANE RELIEF EFFORTS IN PUERTO RICO. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| CENTER FOR COASTAL STUDIES 5 HOLWAY AVENUE PROVINCETOWN, MA 02657 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| CENTERS FOR SPIRITUAL LIVING 812 STATE ROAD SUITE 220 PRINCETON, NJ 08540 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,200. |
| CENTRAL SIERRA ENVIRONMENTAL RESOURCE CENTER PO BOX 396 TWIN HARTS, CA 95383 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| CHAI LIFELINE, INC. 151 WEST 30TH STREET 3RD FLOOR NEW YORK, NY 10001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| CHEETAH CONSERVATION FUND 200 DAINGERFIELD ROAD, SUITE 200 ALEXANDRIA, VA 22314 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| CHEWONKI FOUNDATION, INC. 485 CHEWONKI NECK ROAD WISCASSET, ME 04578 | N/A PC | IN SUPPORT OF FINANCIAL AID FOR THE MAINE COAST SEMESTER PROGRAM. | 400. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| CHP 11 99 FOUNDATION 2244 N STATE COLLEGE BOULEVARD FULLERTON, CA 92831 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,200. |
| CHRIST UNITED PRESBYTERIAN CHURCH 1700 SUTTER STREET SAN FRANCISCO, CA 94115 | N/A PC | IN SUPPORT OF THE SUMMER CAMP LEADERS APPRECIATION FUND. | 200. |
| CHRISTOPHER REEVE FOUNDATION A NEW JERSEY NONPROFI 636 MORRIS TURNPIKE, SUITE 3A SHORT HILLS, NJ 07078 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| CHUNG TAI INTERNATIONAL CHAN BUDDHIST ASSOCIATION 750 EAST ARQUES AVENUE SUNNYVALE, CA 94085-3830 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| CHURCH WORLD SERVICE, INC. 28606 PHILLIPS STREET, PO BOX 968 ELKHART, IN 46515 | N/A PC | IN SUPPORT OF THE 2017 SAN FRANCISCO AND PENINSULA CROP HUNGER WALK. | 200. |
| CITY LIGHTS PERFORMANCE GROUP OF SAN JOSE, INC. 529 S SECOND STREET SAN JOSE, CA 95112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| CLASSIC CAR CLUB OF AMERICA MUSEUM, INC. 6865 W HICKORY ROAD HICKORY CORNERS, MI 49060 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| COASTSIDE ADULT DAY HEALTH CENTER 925 MAIN STREET HALF MOON BAY, CA 94019 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| COASTSIDE CHILDRENS PROGRAMS 494 MIRAMONTES AVENUE HALF MOON BAY, CA 94019 | N/A PC | TO PROVIDE SUPPORT FOR NEW WINDOWS AND EQUIPMENT TO BE USED IN THE CLASSROOM AND DURING SUMMER CAMPS. | 1,044. |
| COMMONWEAL PO BOX 316 BOLINAS, CA 94924 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| COMMUNITY MUSIC SCHOOL OF SANTA CRUZ PO BOX 531 SANTA CRUZ, CA 95061 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| COMPUTER HISTORY MUSEUM 1401 N SHORELINE BOULEVARD MOUNTAIN VIEW, CA 94043 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| CONSANO PO BOX 12309 PORTLAND, OR 97212 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| CONSERVATION EARTH, INC. PO BOX 3098 HALF MOON BAY, CA 94109 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| CONSERVATION INTERNATIONAL FOUNDATION 2011 CRYSTAL DRIVE, #500 ARLINGTON, VA 22202 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 3,000. |
| CORNELL UNIVERSITY PO BOX 25842 LEHIGH VALLEY, PA 18003-9692 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| COUNTRY LANE HOME & SCHOOL CLUB 5140 COUNTRY LANE SAN JOSE, CA 95129 | N/A PC | TO SUPPORT THE GET IN THE GAME WALKATHON. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| COUNTRY LANE HOME & SCHOOL CLUB 5140 COUNTRY LANE SAN JOSE, CA 95129 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| COW HOLLOW PRESCHOOL 65 FUNSTON AVENUE SAN FRANCISCO, CA 94129 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| CROHN'S & COLITIS FOUNDATION OF AMERICA,, INC. 733 THIRD AVENUE SUITE 510 NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF THE CROHN'S AND COLITIS FOUNDATION HALF MARATHON IN NAPA. | 200. |
| CURIODYSSEY 1651 COYOTE POINT DRIVE SAN MATEO, CA 94401 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| CURRY SENIOR CENTER 333 TURK STREET SAN FRANCISCO, CA 94102 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| DOCTORS WITHOUT BORDERS USA, INC. 333 SEVENTH AVENUE, 2ND FLOOR NEW YORK, NY 10001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| DOCTORS WITHOUT BORDERS USA, INC. 333 SEVENTH AVENUE, 2ND FLOOR NEW YORK, NY 10001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 950. |
| DOCTORS WITHOUT BORDERS USA, INC. 333 SEVENTH AVENUE, 2ND FLOOR NEW YORK, NY 10001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| DOMINICAN UNIVERSITY OF CALIFORNIA 50 ACACIA AVENUE SAN RAFAEL, CA 94901 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| DONORSCHOOSE ORG 134 WEST 37TH STREET FLOOR 11 NEW YORK, NY 10018 | N/A PC | IN SUPPORT OF THE GREAT EXPLORATION OF THE OUTDOORS FOR INNER CITY SCHOOLS IN MR. JENKINS' CLASS AT COLISEUM COLLEGE PREP ACADEMY. | 400. |
| DONORSCHOOSE ORG 134 WEST 37TH STREET FLOOR 11 NEW YORK, NY 10018 | N/A PC | IN SUPPORT OF "SCIENCE CAMP FOR INNER CITY YOUTH". | 100. |
| DOUGY CENTER, INC. PO BOX 86852 PORTLAND, OR 97286 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,700. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| EARTHJUSTICE 50 CALIFORNIA STREET, SUITE 500 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| ENVIRONMENTAL AND ENERGY STUDY INSTITUTE 1020 19TH STREET, NW, SUITE 650 WASHINGTON, DC 20036-6101 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| ENVIRONMENTAL AND ENERGY STUDY INSTITUTE 1020 19TH STREET, NW, SUITE 650 WASHINGTON, DC 20036-6101 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 276. |
| ENVIRONMENTAL DEFENSE FUND, INCORPORATED 257 PARK AVENUE SOUTH NEW YORK, NY 10010 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| ENVIRONMENTAL DEFENSE FUND, INCORPORATED 257 PARK AVENUE SOUTH NEW YORK, NY 10010 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 120. |
| EPISCOPAL CHURCH IN THE DIOCESE OF CALIFORNIA PO BOX 217 ROSS, CA 94957 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| EPISCOPAL HOMES FOUNDATION OF MINNESOTA 490 EAST LYNNHURST SAINT PAUL, MN 55104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| EQUAL RIGHTS ADVOCATES, INC. 1170 MARKET STREET, SUITE 700 SAN FRANCISCO, CA 94102 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| EVERGREEN HIGH SCHOOL INSTRUMENTAL PO BOX 1054 EVERGREEN, CO 80437-1054 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| EVERYDAY ZEN 431 BELVEDERE STREET SAN FRANCISCO, CA 94117 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| EVIDENCE ACTION, INC. 1875 K STREET NW WASHINGTON, DC 20006 | N/A PC | IN SUPPORT OF THE DEWORM THE WORLD INITIATIVE. | 7,450. |
| FAITH IN PRACTICE 7500 BEECHNUT ST STE 208 HOUSTON, TX 77074 | N/A PC | IN SUPPORT OF THE STEMPEL SURGERY TEAM 524. | 412. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| FAMILY AND CHILDRENS SERVICES 375 CAMBRIDGE AVENUE PALO ALTO, CA 94306 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| FARESTART 700 VIRGINIA STREET SEATTLE WASHINGTON, WA 98101 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| FEDERATION OF AMERICAN SCIENTISTS 1725 DE SALES STREET NW, 6TH FLOOR WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| FIDELITY INVESTMENTS CHARITABLE GIFT FUND 100 CROSBY PARKWAY, MAIL ZONE KC1D-FCS COVINGTON, KY 41015-9325 | N/A PC | TO SUPPORT A DONOR ADVISED FUND, REQUESTED BY EMPLOYEE OR BOARD MEMBER AS PART OF MATCHING GIFT OR SERVICE RECOGNITION PROGRAMS. | 60,000. |
| FIDELITY INVESTMENTS CHARITABLE GIFT FUND 100 CROSBY PARKWAY, MAIL ZONE KC1D-FCS COVINGTON, KY 41015-9325 | N/A PC | TO SUPPORT A DONOR ADVISED FUND, REQUESTED BY EMPLOYEE OR BOARD MEMBER AS PART OF MATCHING GIFT OR SERVICE RECOGNITION PROGRAMS. | 60,000. |
| FIRST BOOK 1319 F STREET NW, SUITE 1000 WASHINGTON, DC 20004 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| FOOTHILLS LAND CONSERVANCY 373 ELLIS AVENUE MARYVILLE, TN 37804 | N/A PC | TO SUPPORT GENERAL OPERATIONS IN LOVING MEMORY OF COLLEEN LANTER. | 400. |
| FRANCISCAN FRIARS OF THE ATONEMENT PO BOX 301 GARRISON, NY 10524 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 90. |
| FRIENDS OF BERKELEY ANIMAL CARE SERVICES 1 BOLIVAR DRIVE BERKELEY, CA 94710 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 76. |
| FRIENDS OF PETS PO BOX 240981 ANCHORAGE, AK 95061-8472 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| FRIENDS OF THE SANTA CRUZ PUBLIC LIBRARIES, INC. PO BOX 8472 SANTA CRUZ, CA 10010 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| FRIENDS OF THE URBAN FORESTS PRESIDIO OF SAN FRANCISCO BUILDING 1007 SAN FRANCISCO, CA 94129-0456 | N/A PC | IN SUPPORT OF THE JASON COLLARD MEMORIAL. | 300. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| GEORGIANA BRUCE KIRBY PREPARATORY SCHOOL 425 ENCINAL STREET SANTA CRUZ, CA 95060 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| GLEANERS COMMUNITY FOOD BANK, INC. 2131 BEAUFAIT DETROIT, MI 48207 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| GLENS FALLS CITY SCHOOL DISTRICT 15 QUADE STREET GLENS FALLS, NY 12801 | N/A PC | IN SUPPORT OF THE DAVE STRADER SCHOLARSHIP FUND, IN MEMORY OF DAVE STRADER. | 200. |
| GLOBAL STICKY NETWORK, INC. 1805 GLENWOOD LANE NEWPORT BEACH, CA 92660 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 8,000. |
| GLOBAL STICKY NETWORK, INC. 1805 GLENWOOD LANE NEWPORT BEACH, CA 92660 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 6,700. |
| GOLDEN GATE NATIONAL PARKS CONSERVANCY BUILDING 201, FORT MASON SAN FRANCISCO, CA 94123 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,600. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| GOLDEN GATE NATIONAL PARKS CONSERVANCY BUILDING 201, FORT MASON SAN FRANCISCO, CA 94123 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 18,000. |
| GOLDEN GATE NATIONAL PARKS CONSERVANCY BUILDING 201, FORT MASON SAN FRANCISCO, CA 94123 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| GOLDEN GATE NATIONAL PARKS CONSERVANCY BUILDING 201, FORT MASON SAN FRANCISCO, CA 94123 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 900. |
| GOOD SHEPHERD FOOD BANK PO BOX 1807 AUBURN, ME 04211 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| GRACE WILSEY FOUNDATION PO BOX 114 MENLO PARK, CA 94026 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| GREATER BAY AREA MAKE A WISH FOUNDATION, INC. 55 HAWTHORNE STREET, SUITE 800 SAN FRANCISCO, CA 94105-3913 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| GREATER BAY AREA MAKE A WISH FOUNDATION, INC. 55 HAWTHORNE STREET, SUITE 800 SAN FRANCISCO, CA 94105-3913 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| GREATER HOUSTON COMMUNITY FOUNDATION 5120 WOODWAY DRIVE SUITE 6000 HOUSTON, TX 77056 | N/A PC | IN SUPPORT OF THE HURRICANE HARVEY RELIEF FUND. | 200. |
| GROUNDWORK GROUP, THE CHALLENGE FUND PO BOX 713685 CINCINNATI, OH 45271-3685 | N/A PC | IN SUPPORT OF THE A&F CHALLENGE FUND DESIGNATED TO THE PAINTED TURTLE CAMP. | 20,000. |
| GUJRI FOUNDATION PO BOX 1028 VACAVILLE, CA 95696 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |
| GUJRI FOUNDATION PO BOX 1028 VACAVILLE, CA 95696 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| GUJRI FOUNDATION PO BOX 1028 VACAVILLE, CA 95696 | N/A PC | TO SUPPORT A SIKH AWARENESS SEMINAR IN SEPTEMBER AND FOR FOOD DISTRIBUTION AT THE 29TH YEARLY RELIGIOUS PROCESSION IN NOVEMBER. | 22,762. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| GUJRI FOUNDATION PO BOX 1028 VACAVILLE, CA 95696 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 60. |
| HABITAT FOR HUMANITY INTERNATIONAL, INC. 121 HABITAT STREET AMERICUS, GA 31709 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |
| HABITAT FOR HUMANITY INTERNATIONAL, INC. 121 HABITAT STREET AMERICUS, GA 31709 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| HABITAT FOR HUMANITY INTERNATIONAL, INC. 121 HABITAT STREET AMERICUS, GA 31709 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 210. |
| HABITAT FOR HUMANITY INTERNATIONAL, INC. 1230 WILLOW CREEK ROAD PRESCOTT, AZ 86301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 800. |
| HEART OF THE REDWOODS COMMUNITY HOSPICE 464 MAPLE LANE GARBERVILLE, CA 95542 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 250. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| HEIFER PROJECT INTERNATIONAL 1 WORLD AVENUE LITTLE ROCK, AR 72202 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 120. |
| HERSMILE 294 CRESTVIEW AVENUE MARTINEZ, CA 94553 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| HILLVIEW MIDDLE SCHOOL PARENT TEACHER ORGANIZATION 1100 ELDER AVENUE MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| HINDU TEMPLE OF ANTELOPE VALLEY 42102 30TH STREET WEST LANCASTER, CA 93536 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 4,004. |
| HISPANIC FEDERATION, INC. 55 EXCHANGE PLACE, 5TH FLOOR NEW YORK, NY 10005 | N/A PC | TO SUPPORT THE UNIDOS CAMPAIGN FOR PUERTO RICO. | 1,000. |
| HISPANICS IN PHILANTHROPY 414 13TH STREET, SUITE 200 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| HISTIO CURE FOUNDATION, INC. PO BOX 1104 BELMONT, CA 94002 | N/A PC | TO SUPPORT THE 2017 HIKE FOR A CURE. | 100. |
| HOMELESS PRENATAL PROGRAM, INC. 2500 18TH STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| HOUSTON FOOD BANK 535 PORTWALL STREET HOUSTON, TX 77029 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| HOUSTON HUMANE SOCIETY 14700 ALMEDA ROAD HOUSTON, TX 77053 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| HOUSTON HUMANE SOCIETY 14700 ALMEDA ROAD HOUSTON, TX 77053 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| HUMANE SOCIETY INTERNATIONAL 1255 23RD STREET, NW, SUITE 450 WASHINGTON DC, DC 20037 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| HUMANE SOCIETY OF THE UNITED STATES 1255 23RD STREET, NW, SUITE 450 WASHINGTON, DC 20037 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| HUMANE SOCIETY SILICON VALLEY 901 AMES AVENUE MILPITAS, CA 77056 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| IDEA WILD 420 RIDDLE DRIVE FORT COLLINS, CO 80521 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| ILLINOIS CAUCUS FOR ADOLESCENT HEALTH 719 SOUTH STATE STREET, 4TH FLOOR CHICAGO, IL 60605 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| INSTITUTE OF THE SISTERS OF MERCY OF THE AMERICAS 1804 TUFA TERRACE SILVER SPRING, MD 20904 | N/A PC | IN SUPPORT OF THE MERCY MEDICAL MISSION. | 2,000. |
| INTERFAITH FOOD MINISTRY OF NEVADA COUNTY 440 HENDERSON STREET GRASS VALLEY, CA 95949 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| INTERNATIONAL BIRD RESCUE 4369 CORDELIA ROAD FAIRFIELD, CA 94534 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| INTERNATIONAL ORTHODOX CHRISTIAN CHARITIES, INC. 110 WEST ROAD SUITE 360 BALTIMORE, MD 21204 | N/A PC | FOR HURRICANE HARVEY SUPPORT. | 200. |
| INTERNATIONAL ORTHODOX CHRISTIAN CHARITIES, INC. 110 WEST ROAD SUITE 360 BALTIMORE, MD 21204 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| INTERNATIONAL ORTHODOX CHRISTIAN CHARITIES, INC. 110 WEST ROAD SUITE 360 BALTIMORE, MD 21204 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| INTERNATIONAL ORTHODOX CHRISTIAN CHARITIES, INC. 110 WEST ROAD SUITE 360 BALTIMORE, MD 21204 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| INTERNATIONAL ORTHODOX CHRISTIAN CHARITIES, INC. 110 WEST ROAD SUITE 360 BALTIMORE, MD 21204 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| INTERNATIONAL ORTHODOX CHRISTIAN CHARITIES, INC. 110 WEST ROAD SUITE 360 BALTIMORE, MD 21204 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 410. |
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 150. |
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 76. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| INTERNATIONAL RESCUE COMMITTEE, INC. 122 E 42ND STREET NEW YORK, NY 10168 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| IT TAKES A VLLG SPCL EDUCATION PTA 411 SYCAMORE AVENUE MILL VALLEY, CA 94941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| IT TAKES A VLLG SPCL EDUCATION PTA 411 SYCAMORE AVENUE MILL VALLEY, CA 94941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| JAMES RUSSELL LOWELL ELEMENTARY PTA 5201 E BROADWAY LONG BEACH, CA 90803 | N/A PC | IN SUPPORT OF THE LOWELL JOG-A-THON. | 50. |
| JAMIE MCHENRY MEMORIAL FUND, INC. 2005 PEARWOOD PATH ROSWELL, GA 30076 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| JAMIE MCHENRY MEMORIAL FUND, INC. 2005 PEARWOOD PATH ROSWELL, GA 30076 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| JDRF INTERNATIONAL MATCHING GIFTS DEPARTMENT, 26 BROADWAY, 14TH FLOOR NEW YORK, NY 10004 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| JEWISH FAMILY & CHILDRENS SERVICES 2150 POST STREET SAN FRANCISCO, CA 94115 | N/A PC | IN SUPPORT OF HELPING THE VICTIMS OF THE NORTH BAY FIRES. | 200. |
| JEWISH FAMILY & CHILDRENS SERVICES 2150 POST STREET SAN FRANCISCO, CA 94115 | N/A PC | TO SUPPORT HURRICANE RELIEF. | 144. |
| JEWISH FAMILY & COMMUNITY SERVICES OF THE EAST BAY 2484 SHATTUCK AVENUE, SUITE 210 BERKELEY, CA 94704 | N/A PC | TO SUPPORT THE REFUGEES WELCOME FUND. | 100. |
| JOBTRAIN, INC. 1200 O'BRIEN DRIVE MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| JOHN MUIR HEALTH 1400 TREAT BOULEVARD WALNUT CREEK, CA 94597-2142 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 20,000. |
| KEEPING THE BLUES ALIVE FOUNDATION, INC. 1761 W HILLSBORO BOULEVARD SUITE 409 DEERFIELD BEACH, FL 33442 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| KENTFIELD SCHOOLS FOUNDATION 750 COLLEGE AVENUE KENTFIELD, CA 94904 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 6,600. |
| KID STOCK, INC. 1539 FUNSTON AVENUE SAN FRANCISCO, CA 94112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 16,180. |
| KID STOCK, INC. 1539 FUNSTON AVENUE SAN FRANCISCO, CA 94112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 15,000. |
| KID STOCK, INC. 1539 FUNSTON AVENUE SAN FRANCISCO, CA 94112 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 28,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| KINKAID SCHOOL, INC. 201 KINKAID SCHOOL DRIVE HOUSTON, TX 77024 | N/A PC | TO SUPPORT HURRICANE HARVEY RELIEF FOR THE KINKAID COMMUNITY OF STAFF & FAMILIES. | 600. |
| KIPP BAY AREA SCHOOLS 1404 FRANKLIN STREET SUITE 500 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| KIVA MICROFUNDS 875 HOWARD STREET, SUITE 301 SAN FRANCISCO, CA 94103 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 120. |
| KOAHNIC BROADCASTING CORPORATION 3600 SAN JERONIMO DRIVE SUITE 480 ANCHORAGE, AK 99508 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 480. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 310. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 440. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,340. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 240. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 360. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| KQED, INC. 2601 MARIPOSA STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,340. |
| LAMBDA LEGAL DEFENSE AND EDUCATION FUND, INC. 120 WALL STREET 19TH FLOOR NEW YORK, NY 10005 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 60. |
| LAME DEER PUBLIC SCHOOL PO BOX 96 LAME DEER, MT 59043 | N/A GOV | IN SUPPORT OF GENERAL OPERATIONS. | 3,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| LAND OF MEDICINE BUDDHA 5800 PRESCOTT ROAD SOQUEL, CA 95073 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,336. |
| LAND TRUST OF SANTA CRUZ COUNTY 617 WATER STREET SANTA CRUZ, CA 95060 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| LATINO COMMUNITY FOUNDATION 235 MONTGOMERY STREET, SUITE 1160 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| LAVA MAE 1015 FILLMORE STREET, #379 SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 206. |
| LAW ROCKS, INC. PO BOX 6061-195 SHERMAN OAKS, CA 91423 | N/A PC | IN SUPPORT OF FOURTH ANNUAL LAW ROCKS NEW YORK CITY. | 212. |
| LEAGUE TO SAVE LAKE TAHOE 2608 LAKE TAHOE BOULEVARD SOUTH LAKE TAHOE, CA 96150 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| LEATHERBACK TRUST 161 MERION AVENUE HADDONFIELD, NJ 08033 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| LEGAL AID SOCIETY OF SAN MATEO CO 330 TWIN DOLPHIN DRIVE, SUITE 123 REDWOOD CITY, CA 94065 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| LEGAL AID SOCIETY OF SAN MATEO CO 330 TWIN DOLPHIN DRIVE, SUITE 123 REDWOOD CITY, CA 94065 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| LEUKEMIA & LYMPHOMA SOCIETY, INC. 3 INTERNATIONAL DRIVE SUITE 200 RYE BROOK, NY 10573 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| LEUKEMIA & LYMPHOMA SOCIETY, INC. 3 INTERNATIONAL DRIVE SUITE 200 RYE BROOK, NY 10573 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| LEUKEMIA & LYMPHOMA SOCIETY, INC. 3 INTERNATIONAL DRIVE SUITE 200 RYE BROOK, NY 10573 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| LEUKEMIA & LYMPHOMA SOCIETY, INC. 3 INTERNATIONAL DRIVE SUITE 200 RYE BROOK, NY 10573 | N/A PC | TO SUPPORT FUNDRAISING FOR THE GREATER SAN FRANCISCO BAY AREA CHAPTER. | 50. |
| LEUKEMIA & LYMPHOMA SOCIETY, INC. 3 INTERNATIONAL DRIVE SUITE 200 RYE BROOK, NY 10573 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| LEUKEMIA & LYMPHOMA SOCIETY, INC. 3 INTERNATIONAL DRIVE SUITE 200 RYE BROOK, NY 10573 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| LITTLE LEAGUE BASEBALL, INC. 1642 PROSPECT STREET BELMONT, CA 94002 | N/A PC | IN HONOR OF WILLIAM R FOR THE 2017 HIT-A-THON. | 50. |
| LOS ALTOS COMMUNITY FOUNDATION 183 HILLVIEW AVENUE LOS ALTOS, CA 94022 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| LOS ALTOS COMMUNITY FOUNDATION 183 HILLVIEW AVENUE LOS ALTOS, CA 94022 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| LOS ALTOS ROTARY ENDOWMENT FUND, INC. PO BOX 794 LOS ALTOS, CA 94022 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| LOS GATOS HIGH SCHOOL NEW MILLENIUM FOUNDATION 20 HIGH SCHOOL COURT LOS GATOS, CA 95030 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| MAINE COMMUNITY FOUNDATION, INC. 245 MAIN STREET ELLSWORTH, ME 04605 | N/A PC | TO SUPPORT THE FRIENDSHIP MEMORIAL SCHOLARSHIP FUND. | 500. |
| MAITREYA BUDDHIST INSTITUTE 3065 DECOTO ROAD FREMONT, CA 94555 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 6,000. |
| MARC LUSTGARTEN PANCREATIC CANCER FOUNDATION 1111 STEWART AVENUE BETHPAGE, NY 11714 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| MARIN ART AND GARDEN CENTER PO BOX 437, 30 SIR FRANCIS DRAKE BOULEVARD ROSS, CA 94957 | N/A PC | IN SUPPORT OF THE GARDEN SCHOOL. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| MARIN COMMUNITY FOUNDATION 5 HAMILTON LANDING, SUITE 200 NOVATO, CA 94949 | N/A PC | TO SUPPORT A DONOR ADVISED FUND, REQUESTED BY EMPLOYEE OR BOARD MEMBER AS PART OF MATCHING GIFT OR SERVICE RECOGNITION PROGRAMS. | 50,000. |
| MARIN COMMUNITY FOUNDATION 5 HAMILTON LANDING, SUITE 200 NOVATO, CA 94949 | N/A PC | TO SUPPORT A DONOR ADVISED FUND, REQUESTED BY EMPLOYEE OR BOARD MEMBER AS PART OF MATCHING GIFT OR SERVICE RECOGNITION PROGRAMS. | 9,160. |
| MARIN FC ALLIANCE 35 BON AIR CENTER GREENBRAE, CA 94904 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| MARINE MAMMAL CENTER 2000 BUNKER ROAD, FORT CRONKHITE SAUSALITO, CA 94965 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 60. |
| MARINE MAMMAL CENTER 2000 BUNKER ROAD, FORT CRONKHITE SAUSALITO, CA 94965 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| MARINE MAMMAL CENTER 2000 BUNKER ROAD, FORT CRONKHITE SAUSALITO, CA 94965 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| MARIST BROTHERS OF THE SCHOOLS, INC. PO BOX 250 WORTH, IL 60482 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 196. |
| MARK DAY SCHOOL 39 TRELIS DRIVE SAN RAFAEL, CA 94903 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,450. |
| MARK DAY SCHOOL 39 TRELIS DRIVE SAN RAFAEL, CA 94903 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 5,000. |
| MAYO CLINIC 200 FIRST STREET SW ROCHESTER, MN 55905-0001 | N/A PC | TO SUPPORT FIBROID RESEARCH. | 500. |
| MAYO CLINIC 200 FIRST STREET SW ROCHESTER, MN 55905-0001 | N/A PC | TO SUPPORT FIBROID RESEARCH. | 100. |
| MAYO CLINIC 200 FIRST STREET SW ROCHESTER, MN 55905-0001 | N/A PC | TO SUPPORT FIBROID RESEARCH. | 120. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| MAYO CLINIC 200 FIRST STREET SW ROCHESTER, MN 55905-0001 | N/A PC | TO SUPPORT FIBROID RESEARCH. | 670. |
| MEDICAL EDUCATION COOPERATION WITH CUBA 1814 FRANKLIN STREET SUITE 820 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| MENLO PARK-ATHERTON EDUCATION FOUNDATION 181 ENCINAL AVENUE ATHERTON, CA 94027 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 600. |
| MENLO PARK-ATHERTON EDUCATION FOUNDATION 181 ENCINAL AVENUE ATHERTON, CA 94027 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| MERCY CORPS PO BOX 2669, DEPARTMENT W PORTLAND, OR 97208 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| MERCY CORPS PO BOX 2669, DEPARTMENT W PORTLAND, OR 97208 | N/A PC | IN SUPPORT OF GAZA SKY GEEKS. | 1,340. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| MERCY HIGH SCHOOL SAN FRANCISCO 3250 19TH AVENUE SAN FRANCISCO, CA 94132 | N/A PC | IN MEMORY OF JOANNE RYAN, CLASS OF 1975. | 100. |
| MICHAEL J FOX FOUNDATION FOR PARKINSON'S RESEARCH PO BOX 4777 NEW YORK, NY 10163 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| MICHIGAN ENVIRONMENTAL COUNCIL 602 W IONIA STREET LANSING, MI 48933 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| MICHIGAN LEAGUE OF CONSERVATION VOTERS EDUCATION F 3029 MILLER ROAD ANN ARBOR, MI 48103 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| MICHIGAN LEAGUE OF CONSERVATION VOTERS EDUCATION F 3029 MILLER ROAD ANN ARBOR, MI 48103 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| MILL VALLEY MIDDLE PTSA 425 SYCAMORE AVENUE MILL VALLEY, CA 94941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,440. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| MILL VALLEY MIDDLE PTSA 425 SYCAMORE AVENUE MILL VALLEY, CA 94941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,490. |
| MILL VALLEY SCHOOLS COMMUNITY FOUNDATION 409 SYCAMORE AVENUE MILL VALLEY, CA 94941-2231 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 7,000. |
| MILL VALLEY SCHOOLS COMMUNITY FOUNDATION 409 SYCAMORE AVENUE MILL VALLEY, CA 94941-2231 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 9,206. |
| MONTEREY BAY AQUARIUM FOUNDATION 886 CANNERY ROW MONTEREY, CA 93940 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 190. |
| MONTEREY BAY AQUARIUM FOUNDATION 886 CANNERY ROW MONTEREY, CA 93940 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 600. |
| MONTEREY BAY AQUARIUM FOUNDATION 886 CANNERY ROW MONTEREY, CA 93940 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 5,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| MONTEREY BAY AQUARIUM FOUNDATION 886 CANNERY ROW MONTEREY, CA 93940 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 6,700. |
| MONTEREY BAY AQUARIUM FOUNDATION 886 CANNERY ROW MONTEREY, CA 93940 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| MONTEREY BAY AQUARIUM FOUNDATION 886 CANNERY ROW MONTEREY, CA 93940 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| MOUNTAIN VIEW LOS ALTOS HIGH SCHOOL FOUNDATION PO BOX 1146 LOS ALTOS, CA 94023-1146 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| MOVEMBER FOUNDATION PO BOX 1595 CULVER CITY, CA 90232 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 144. |
| MUSEUM OF AMERICAN HERITAGE PO BOX 1731 PALO ALTO, CA 94302 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| NATIONAL ACADEMY OF ENGINEERING FUND 2101 CONSTITUTION AVENUE, NW WASHINGTON, DC 20418 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| NATIONAL ACADEMY OF SCIENCES 500 FIFTH STREET WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 4,000. |
| NATIONAL ACADEMY OF SCIENCES 500 5TH STREET NW, KECK 1057 WASHINGTON, DC 20001 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| NATIONAL AUDUBON SOCIETY, INC. 431 WEST 7TH AVENUE, SUITE 101 ANCHORAGE, AK 99501 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| NATIONAL AUDUBON SOCIETY, INC. 225 VARICK STREET, 7TH FLOOR NEW YORK, NY 10014 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| NATIONAL BLACK THEATRE WORKSHOP, INCORPORATED 2031 5TH AVENUE NEW YORK, NY 10035 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NATIONAL COALITION OF ASIAN PACIFIC AMERICAN COMMU 1825 SAN PABLO AVENUE, SUITE 2 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF THE MDM 2017 WALK MS. | 70. |
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | TO SUPPORT BIKE MS: ATLANTA PEACH RIDE 2017. | 400. |
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF BIKE MS: WAVES TO WINE RIDE 2017. | 100. |
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| NATIONAL MULTIPLE SCLEROSIS SOCIETY 733 THIRD AVENUE, 3RD FLOOR NEW YORK, NY 10017 | N/A PC | TO SUPPORT BIKE MS: WAVES TO WINE RIDE 2017. | 200. |
| NATIONAL WILDLIFE FEDERATION 11100 WILDLIFE CENTER DRIVE RESTON, VA 20190 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| NATIVE ANIMAL RESCUE 1855 17TH AVENUE SANTA CRUZ, CA 95062 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| NATIVE ANIMAL RESCUE 1855 17TH AVENUE SANTA CRUZ, CA 95062 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| NATIVITY OF THE MOST HOLY THEOTOKOS SERBIAN ORTHOD 2148 MICHELSON DRIVE IRVINE, CA 92612 | N/A PC | TO SUPPORT THE NEW CHURCH BUILDING FUND. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NATURAL RESOURCES DEFENSE COUNCIL, INC. 40 WEST 20TH STREET NEW YORK, NY 10011 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 560. |
| NATURAL RESOURCES DEFENSE COUNCIL, INC. 40 WEST 20TH STREET NEW YORK, NY 10011 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| NATURAL RESOURCES DEFENSE COUNCIL, INC. 40 WEST 20TH STREET NEW YORK, NY 10011 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,500. |
| NATURAL RESOURCES DEFENSE COUNCIL, INC. 40 WEST 20TH STREET NEW YORK, NY 10011 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| NATURE CONSERVANCY 4245 NORTH FAIRFAX DRIVE, SUITE 100 ARLINGTON, VA 22203-1606 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NEW ISRAEL FUND 6 EAST 39TH STREET, SUITE 301 NEW YORK, NY 10016 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF AVON 39 - THE WALK TO END BREAST CANCER. | 700. |
| NEW VENTURE FUND 777 THIRD AVENUE NEW YORK, NY 10017 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF AVON 39 - THE WALK TO END BREAST CANCER. | 220. |
| NEW VENTURE FUND 1201 CONNECTICUT AVENUE NW, SUITE 300 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF AVON 39 - THE WALK TO END BREAST CANCER. | 200. |
| NEW YORK ROAD RUNNERS, INC. 156 W 56TH STREET 3RD FLOOR NEW YORK, NY 10019 | N/A PC | TO SUPPORT TEAM FOR KIDS. | 100. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| NEW YORK ROAD RUNNERS, INC. 156 W 56TH STREET 3RD FLOOR NEW YORK, NY 10019 | N/A PC | TO SUPPORT TEAM FOR KIDS. | 100. |
| NORTH CALIFORNIA BODHI DHARMA SOCIETY 919 HANSON COURT MILPITAS, CA 95035 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| OAK KNOLL SCHOOL PARENT TEACHER ORGANIZATION 1895 OAK KNOLL LANE MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| OAK KNOLL SCHOOL PARENT TEACHER ORGANIZATION 1895 OAK KNOLL LANE MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 510. |
| OAKLAND MUSEUM OF CALIFORNIA 1000 OAK STREET OAKLAND, CA 94607 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 190. |
| OCEAN CONSERVANCY, INC. 1300 19TH STREET NW, 8TH FLOOR WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 20,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| OCEANA, INC. 1350 CONNECTICUT AVENUE NW, 5TH FLOOR WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| OJAI VALLEY LAND CONSERVANCY PO BOX 1092 OJAI, CA 93024 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| ON LOK DAY SERVICES 1333 BUSH STREET SAN FRANCISCO, CA 94109 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| OREGON PUBLIC BROADCASTING 7140 SW MACADAM AVENUE PORTLAND, OR 97219 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| ORT AMERICA, INC. 75 MAIDEN LANE 10TH FLOOR NEW YORK, NY 10038-4810 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 78. |
| PACIFIC COLLEGIATE SCHOOL 3004 MISSION STREET SANTA CRUZ, CA 95060 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,400. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| PACIFIC ELEMENTARY SCHOOL PO BOX H DAVENPORT, CA 95017 | N/A GOV | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| PACIFIC LEGAL FOUNDATION 930 G STREET SACRAMENTO, CA 95814 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| PALO ALTO HIGH SCHOOL SPORTS BOOSTERS CLUB 50 EMBARCADERO ROAD PALO ALTO, CA 94301 | N/A PC | IN SUPPORT OF PALO ALTO SWIM TEAM MEMBERS. | 400. |
| PALO ALTO PARTNERS IN EDUCATION PO BOX 1557 PALO ALTO, CA 94302 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| PALO ALTO PARTNERS IN EDUCATION PO BOX 1557 PALO ALTO, CA 94302 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| PALO ALTO SOCCER CLUB, INC. PO BOX 50831 PALO ALTO, CA 94303 | N/A PC | IN SUPPORT OF THE SCHOLARSHIP FUND FOR 2008 BLUE BOYS. | 1,620. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| PALO ALTO SOCCER CLUB, INC. PO BOX 50831 PALO ALTO, CA 94303 | N/A PC | IN SUPPORT OF SCHOLARSHIP FUNDS FOR THE 2006 BOYS BLUE TEAM. | 1,400. |
| PALO ALTO YOUTH ROBOTICS ASSOCIATION 2320 DARTMOUTH STREET PALO ALTO, CA 94306 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,336. |
| PAN MASSACHUSETTS CHALLENGE TRUST 77 4TH AVENUE NEEDHAM, MA 02494 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| PAN MASSACHUSETTS CHALLENGE TRUST 77 4TH AVENUE NEEDHAM, MA 02494 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| PARISH OF SAINTS JOHN AND ANDREW 1256 VESTAL AVENUE BINGHAMTON, NY 13903 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 3,150. |
| PARK ELEMENTARY PTA 360 EAST BLITHEDALE AVENUE C/O PARK SCHOOL MILL VALLEY, CA 94941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,876. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| PARK ELEMENTARY PTA 360 EAST BLITHEDALE AVENUE C/O PARK SCHOOL MILL VALLEY, CA 94941 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,900. |
| PAWS HELPING PEOPLE, INC. PO BOX 441 SOQUEL, CA 95073 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| PEGASUS FOUNDATION ONE INTERNATIONAL PLACE BOSTON, MA 02110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| PENINSULA COVENANT CHURCH REDWOOD CITY 3560 FARM HILL BOULEVARD REDWOOD CITY, CA 94061 | N/A PC | TO SUPPORT SHORT-TERM MISSION TRIPS TO MALAWI. | 200. |
| PENINSULA OPEN SPACE TRUST 222 HIGH STREET PALO ALTO, CA 94301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PENINSULA TEMPLE SHOLOM 1655 SEBASTIAN DRIVE BURLINGAME, CA 94010 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 4,554. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| PENINSULA TEMPLE SHOLOM 1655 SEBASTIAN DRIVE BURLINGAME, CA 94010 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,432. |
| PETS IN NEED 871 5TH AVENUE REDWOOD CITY, CA 94063 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PINE UNITED METHODIST CHURCH 426 33RD AVENUE SAN FRANCISCO, CA 94121 | N/A PC | IN SUPPORT OF THE TROOP 12 JAPAN EXPEDITION FUND. | 14,000. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 800. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| PLANNED PARENTHOOD FEDERATION OF AMERICA, INC. 123 WILLIAM STREET, 10TH FLOOR NEW YORK, NY 10038 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| PLANNED PARENTHOOD MAR MONTE, INC. 1691 THE ALAMEDA SAN JOSE, CA 95126 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| PLANNED PARENTHOOD MAR MONTE, INC. 1691 THE ALAMEDA SAN JOSE, CA 95126 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| PLANNED PARENTHOOD MAR MONTE, INC. 1691 THE ALAMEDA SAN JOSE, CA 95126 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| PLANNED PARENTHOOD MAR MONTE, INC. 1691 THE ALAMEDA SAN JOSE, CA 95126 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| PLANNED PARENTHOOD MAR MONTE, INC. 1691 THE ALAMEDA SAN JOSE, CA 95126 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| POPULATION SERVICES INTERNATIONAL 1120 19TH STREET, NW, SUITE 600 WASHINGTON, DC 20036 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 232. |
| PRESCOTT AREA SHELTER SERVICES, INC. 336 N RUSH STREET PRESCOTT, AZ 86301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 800. |
| PRESCOTT AREA SHELTER SERVICES, INC. 336 N RUSH STREET PRESCOTT, AZ 86301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 800. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| PRINCETON AREA COMMUNITY FOUNDATION, INC. 15 PRINCESS ROAD LAWRENCEVILLE, NJ 08648 | N/A PC | IN SUPPORT OF SCHOLARSHIPS. | 500. |
| PS THE FOUNDATION FOR OUR FUTURE 50 OCEAN STREET DAVENPORT, CA 95017 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 236. |
| PTA CALIFORNIA CONGRESS OF PARENTS TEACHERS AND ST 2525 BUENA VISTA AVENUE BELMONT, CA 94002 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 480. |
| PTA CALIFORNIA CONGRESS OF PARENTS TEACHERS AND ST 2525 BUENA VISTA AVENUE BELMONT, CA 94002 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| PUBLIC GLASS 1750 ARMSTRONG AVE SAN FRANCISCO, CA 94124 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| PUBLIC GLASS 1750 ARMSTRONG AVE SAN FRANCISCO, CA 94124 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| PUENTE DE LA COSTA SUR PO BOX 554 PESCADERO, CA 94060 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| RARE, INC. 1310 N COURTHOUSE ROAD, SUITE 110 ARLINGTON, VA 22201 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| RARE, INC. 1310 N COURTHOUSE ROAD, SUITE 110 ARLINGTON, VA 22201 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| RECLAM THE BAY, INC. 1623 WHITESVILLE ROAD TOMS RIVER, NJ 08755 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| REDWOOD CITY FRIENDS OF LITERACY 1044 MIDDLEFIELD ROAD REDWOOD CITY, CA 94063 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| REDWOOD PARENTS NURSERY SCHOOL 3997 JEFFERSON AVE EMERALD HILLS, CA 94062 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| REDWOOD PARENTS NURSERY SCHOOL 3997 JEFFERSON AVE EMERALD HILLS, CA 94062 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| REGENTS OF THE UNIVERSITY OF CALIFORNIA 3101 VALLEY LIFE SCIENCES BUILDING BERKELEY, CA 94720 | N/A GOV | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| REGENTS OF THE UNIVERSITY OF MICHIGAN DANA BUILDING, 440 CHURCH STREET ANN ARBOR, MI 48109-1041 | N/A GOV | IN SUPPORT OF GENERAL OPERATIONS. | 500. |
| RIEKES CENTER FOR HUMAN ENHANCEMENT 3455 EDISON WAY MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 11,600. |
| RIEKES CENTER FOR HUMAN ENHANCEMENT 3455 EDISON WAY MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,100. |
| RIEKES CENTER FOR HUMAN ENHANCEMENT 3455 EDISON WAY MENLO PARK, CA 94025 | N/A PC | IN SUPPORT OF THE RALLY FOR RIEKES. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| ROSS SCHOOL FOUNDATION PO BOX 582 ROSS, CA 94957 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,400. |
| ROY CLOUD SCHOOL PARENTS CLUB 3790 RED OAK WAY REDWOOD CITY, CA 94061 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,320. |
| SALPOINTE CATHOLIC HIGH SCHOOL 1545 E COPPER STREET TUCSON, AZ 85719-3199 | N/A PC | IN SUPPORT OF THE LANCER ANNUAL FUND. | 350. |
| SAMARITAN HOUSE 4031 PACIFIC BOULEVARD SAN MATEO, CA 94403 | N/A PC | IN SUPPORT OF THE "BACK TO SCHOOL" DRIVE. | 400. |
| SAN FRANCISCO AIDS FOUNDATION 1035 MARKET STREET, SUITE 400 SAN FRANCISCO, CA 94103 | N/A PC | IN SUPPORT OF THE AIDS/LIFECYCLE 2017. | 100. |
| SAN FRANCISCO DAY SCHOOL 350 MASONIC AVENUE SAN FRANCISCO, CA 94118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| SAN FRANCISCO EDUCATION FUND 2730 BRYANT STREET, SECOND FLOOR SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| SAN FRANCISCO FOOD BANK 900 PENNSYLVANIA AVENUE SAN FRANCISCO, CA 94107 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SAN FRANCISCO FORTY-NINERS ACADEMY 2695 FORDHAM STREET EAST PALO ALTO, CA 94303 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| SAN FRANCISCO GENERAL HOSPITAL FOUNDATION 2789 25TH STREET, SUITE 2028 SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| SAN FRANCISCO MUSEUM OF MODERN ART 151 THIRD STREET SAN FRANCISCO, CA 94103-3159 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| SAN FRANCISCO MUSEUM OF MODERN ART 151 THIRD STREET SAN FRANCISCO, CA 94103-3159 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| SAN FRANCISCO PUBLIC HEALTH FOUNDATION 25 VAN NESS AVENUE, SUITE 340 SAN FRANCISCO, CA 94102 | N/A PC | TO SUPPORT PROJECT HOMELESS CONNECT. | 206. |
| SAN FRANCISCO UNIFIED SCHOOL DISTRICT 500 MANSELL STREET SAN FRANCISCO, CA 94134 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,340. |
| SAN FRANCISCO UNIFIED SCHOOL DISTRICT 500 MANSELL STREET SAN FRANCISCO, CA 94134 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,340. |
| SANTA BARBARA FOUNDATION 1111 CHAPALA STREET, SUITE 200 SANTA BARBARA, CA 93101 | N/A PC | IN SUPPORT OF THE RAFE SAGARIN FUND FOR INNOVATIVE ECOLOGY. | 100. |
| SANTA CLARA FIRE SAFE COUNCIL 2053 LINCOLN AVENUE, SUITE B SAN JOSE, CA 95125 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| SAVE THE CHILDREN FEDERATION, INC. 501 KINGS HIGHWAY EAST SUITE 400 FAIRFIELD, CT 06825 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 744. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| SAVE THE CHILDREN FEDERATION, INC. 501 KINGS HIGHWAY EAST SUITE 400 FAIRFIELD, CT 06825 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,488. |
| SAVE THE REDWOODS LEAGUE 111 SUTTER STREET 11TH FLOOR SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SAVE THE REDWOODS LEAGUE 111 SUTTER STREET 11TH FLOOR SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SAVE THE WAVES COALITION PO BOX 183 3500 HIGHWAY ONE DAVENPORT, CA 95107 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| SCHWAB CHARITABLE FUND 211 MAIN STREET SAN FRANCISCO, CA 94105 | N/A PC | TO SUPPORT A DONOR ADVISED FUND, REQUESTED BY EMPLOYEE OR BOARD MEMBER AS PART OF MATCHING GIFT OR SERVICE RECOGNITION PROGRAMS. | 60,000. |
| SEA SHEPHERD CONSERVATION SOCIETY PO BOX 8628 ALEXANDRIA, VA 22306 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SECOND HARVEST FOOD BANK OF SANTA CLARA AND SAN MA 750 CURTNER AVENUE SAN JOSE, CA 95125-2118 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| SECOND HARVEST FOOD BANK SANTA CRUZ COUNTY 800 OHLONE PARKWAY WATSONVILLE, CA 95076 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| SHADES OF PINK FOUNDATION CALIFORNIA 1084 N EL CAMINO REAL, SUITE B #345 ENCINITAS, CA 92024 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| SHROPSHIRE MUSIC FOUNDATION 1123 E. TORREON DRIVE LITCHFIELD PARK, AZ 85340 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SIERRA CLUB FOUNDATION 2101 WEBSTER STREET, SUITE 1250 OAKLAND, CA 94612 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SIERRA WATCH 408 BROAD STREET, SUITE 12 NEVADA CITY, CA 95959 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| SIMON WIESENTHAL CENTER 1399 SOUTH ROXBURY, 2ND FLOOR LOS ANGELES, CA 90035 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| SONOMA COUNTY REGIONAL PARKS FOUNDATION 2300 COUNTY CENTER DRIVE #120A SANTA ROSA, CA 95403 | N/A SO I | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| SONOMA LAND TRUST 822 FIFTH STREET SANTA ROSA, CA 95404 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| SOUTHERN EXPOSURE 3030 20TH STREET SAN FRANCISCO, CA 94110 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| SOUTHERN POVERTY LAW CENTER, INC. 400 WASHINGTON AVENUE MONTGOMERY, AL 36104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| SOUTHERN POVERTY LAW CENTER, INC. 400 WASHINGTON AVENUE MONTGOMERY, AL 36104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| SOUTHERN TIER AIDS PROGRAM, INC. 22 RIVERSIDE DRIVE BINGHAMTON, NY 13905 | N/A PC | IN SUPPORT OF THE AIDS RIDE FOR LIFE 2017. | 50. |
| ST ANDREWS EPISCOPAL CHURCH 13601 SARATOGA AVENUE SARATOGA, CA 95070 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 3,040. |
| ST JOSEPH'S INDIAN SCHOOL 1301 NORTH MAIN STREET CHAMBERLAIN, SD 57325 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 70. |
| STARSHIP ORION 815 ALLERTON STREET REDWOOD CITY, CA 94063 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| STARSHIP ORION 815 ALLERTON STREET REDWOOD CITY, CA 94063 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| START SMALL THINK BIG, INC. 1231 LAFAYETTE AVE, 2ND FLOOR BRONX, NY 10474 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 308. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| SWIM ACROSS AMERICA 116000 N COMMUNITY HOUSE ROAD, SUITE 100 CHARLOTTE, NC 28277 | N/A PC | IN SUPPORT OF 2017 SEATTLE OPEN WATER. | 200. |
| SWIM ACROSS AMERICA 116000 N COMMUNITY HOUSE ROAD, SUITE 100 CHARLOTTE, NC 28277 | N/A PC | IN SUPPORT OF THE 2017 SAN FRANCISCO OPEN WATER FUNDRAISING EVENT. | 200. |
| TAHOE MARITIME MUSEUM, INC. PO BOX 627 HOMEWOOD, CA 96141 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| TAHOE RIM TRAIL ASSOCIATION PO BOX 3267 STATELINE, NV 89449 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| THE ALASKA CENTER FOR THE ENVIRONMENT 921 WEST 6TH AVENUE, SUITE 200 ANCHORAGE, AK 99501 | N/A PC | IN SUPPORT OF THE EDUCATION FUND. | 1,500. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305-6055 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305-6055 | N/A PC | IN GENERAL SUPPORT OF THE STANFORD FUND FOR UNDERGRADUATE EDUCATION. | 2,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305-6055 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305-6055 | N/A PC | IN SUPPORT OF THE STANFORD FUND. | 100. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305-6055 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,200. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 485 LASUEN MALL PALO ALTO, CA 94305-6055 | N/A PC | TO SUPPORT THE GRADUATE SCHOOL OF EDUCATION FUND. | 200. |
| THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIO 326 GALVEZ STREET STANFORD, CA 94305-6055 | N/A PC | IN SUPPORT OF ATHLETICS AND FINANCIAL AID FOR THE LAW SCHOOL. | 60,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| THE BOOK THING OF BALTIMORE, INC. 3001 VINEYARD LANE BALTIMORE, MD 21218 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| THE CARTER CENTER, INC. ONE COPENHILL 453 FREEDOM PARKWAY ATLANTA, GA 30307 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 298. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | TO SUPPORT THE EXPLORATORIUM EDUCATIONAL FUND. | 500. |
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF 2017 PARTY AT THE PIERS. | 20,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| THE EXPLORATORIUM PIER 17, SUITE 100 SAN FRANCISCO, CA 94111 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| THE FAMILY GIVING TREE SOBRATO CENTER FOR NONPROFITS, 606 VALLEY WAY MILPITAS, CA 95035 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| THE FAMILY GIVING TREE SOBRATO CENTER FOR NONPROFITS, 606 VALLEY WAY MILPITAS, CA 95035 | N/A PC | IN SUPPORT OF THE HOLIDAY WISH DRIVE. | 144. |
| THE FUND FOR LAKE GEORGE, INC. PO BOX 352 LAKE GEORGE, NY 12845 | N/A PC | TO SUPPORT LAKE GEORGE WATERKEEPER. | 100. |
| THE HUMANE SOCIETY OF PUERTO RICO PO BOX 2387 GUAYNABO PUERTO RICO 970 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| THE ONESTAR FOUNDATION 9011 MOUNTAIN RIDGE DRIVE, SUITE 100 AUSTIN, TX 78759 | N/A PC | TO SUPPORT THE REBUILD TEXAS FUND. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| THE SATO PROJECT, INC. 130 WATER STREET BROOKLYN, NY 11201 | N/A PC | TO SUPPORT THE SATO PROJECT'S HURRICANE RELIEF FUND. | 1,000. |
| THE TECH MUSEUM OF INNOVATION 201 SOUTH MARKET STREET SAN JOSE, CA 95113 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| THE TELOS GROUP, INC. PO BOX 33248 WASHINGTON DC, DC 20033 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| THE TELOS GROUP, INC. PO BOX 33248 WASHINGTON DC, DC 20033 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| TIPPING POINT COMMUNITY 220 MONTGOMERY STREET, SUITE 850 SAN FRANCISCO, CA 94104 | N/A PC | TO SUPPORT THE TIPPING POINT EMERGENCY RELIEF FUND. | 400. |
| TIPPING POINT COMMUNITY 220 MONTGOMERY STREET, SUITE 850 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| TOGETHER WE CAN CHANGE THE WORLD 9715 CHERRY STREET EDMONDS, WA 98020 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| TONY LARUSSAS ANIMAL RESCUE FOUNDATION 2890 MITCHELL DRIVE WALNUT CREEK, CA 94598 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| TRANS LIFELINE 101 BROADWAY SUITE 311 OAKLAND, CA 94607 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| TRIPS FOR KIDS 610 4TH STREET SAN RAFAEL, CA 94901 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 400. |
| TROUT UNLIMITED 1777 N KENT STREET, SUITE 100 ARLINGTON, VA 22209 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| TRUST FOR PUBLIC LAND 101 MONTGOMERY STREET, SUITE 900 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| TRUSTEES OF DARTMOUTH COLLEGE TUCK ANNUAL GIVING 41 CENTERRA PARKWAY LEBANON, NH 03766 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| TRUSTEES OF DARTMOUTH COLLEGE 6066 DEVELOPMENT OFFICE HANOVER, NH 03755 | N/A PC | TO SUPPORT UNDERGRADUATE FINANCIAL AID THROUGH THE DARTMOUTH COLLEGE FUND. | 300. |
| TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2929 WALNUT STREET, SUITE 300 PHILADELPHIA, PA 19104-5099 | N/A PC | IN SUPPORT OF THE LAUDER INSTITUTE ANNUAL FUND. | 200. |
| TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 2929 WALNUT STREET, SUITE 300 PHILADELPHIA, PA 19104-5099 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| ULTIMATE PEACE, INC. 78 CRITTENDEN HILL ROAD SHELBURNE FALLS, MA 01370 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 800. |
| UNION OF CONCERNED SCIENTISTS, INC. TWO BRATTLE SQUARE, 6TH FLOOR CAMBRIDGE, MA 02138 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| UNITARIAN UNIVERSALIST ASSOCIATION PO BOX 843150 BOSTON, MA 02284-3150 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| UNITARIAN UNIVERSALIST ASSOCIATION PO BOX 843150 BOSTON, MA 02284-3150 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| UNITED STATES CATHOLIC CONFERENCE 2133 MADISON AVENUE BETHLEHEM, PA 18017 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| UNITED WAY OF GREATER HOUSTON 50 WAUGH DRIVE HOUSTON, TX 77007 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |
| UNITED WAY OF GREATER HOUSTON 50 WAUGH DRIVE HOUSTON, TX 77007 | N/A PC | IN SUPPORT OF UNITED WAY RELIEF FUND-HURRICANE HARVEY. | 200. |
| UNIVERSITY CORPORATION AT MONTEREY BAY CSU MONTEREY BAY 100 CAMPUS CENTER SEASIDE, CA 93955 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 300. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| UNIVERSITY CORPORATION AT MONTEREY BAY CSU MONTEREY BAY 100 CAMPUS CENTER SEASIDE, CA 93955 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| UNIVERSITY OF ARIZONA FOUNDATION 1111 N CHERRY AVENUE TUCSON, AZ 85721-0109 | N/A PC | IN SUPPORT OF THE MARC AARONSON MEMORIAL FUND. | 2,000. |
| UNIVERSITY OF CALIFORNIA BERKELEY FOUNDATION 1995 UNIVERSITY AVENUE, SUITE 400 BERKELEY, CA 94704 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 700. |
| UNIVERSITY OF CALIFORNIA BERKELEY FOUNDATION 1995 UNIVERSITY AVENUE, SUITE 401 BERKELEY, CA 94704-1058 | N/A PC | IN SUPPORT OF THE J. MICHAEL BISHOP ORAL HISTORY PROJECT. | 10,000. |
| UNIVERSITY OF CALIFORNIA BERKELEY FOUNDATION 1995 UNIVERSITY AVENUE, SUITE 401 BERKELEY, CA 94704-1058 | N/A PC | TO PROVIDE GENERAL OPERATING SUPPORT FOR THE LAWRENCE HALL OF SCIENCE. | 2,000. |
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|--|---------------|
| UNIVERSITY OF CALIFORNIA SAN FRANCISCO FOUNDATION 220 MONTGOMERY STREET, SUITE 500 SAN FRANCISCO, CA 94104 | N/A PC | IN SUPPORT OF THE BRAIN TUMOR RESEARCH CENTER. | 400. |
| UNIVERSITY OF CHICAGO 5235 SOUTH HARPER COURT, SUITE 450 CHICAGO, IL 60615 | N/A PC | FOR THE GRADUATE FUND FOR THE HUMANITIES. | 100. |
| UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL PO BOX 309 CHAPEL HILL, NC 27514-0309 | N/A GOV | IN SUPPORT OF WUNC-FM. | 480. |
| UNIVERSITY OF SAN FRANCISCO 2130 FULTON STREET SAN FRANCISCO, CA 94117-1080 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| UNIVERSITY OF VIRGINIA ALUMNI ASSOCIATION UVA GIFT PROCESSING SERVICES CHARLOTTESVILLE, VA 22904 | N/A PC | IN SUPPORT OF THE BLACK STUDENT ALLIANCE. | 50. |
| WATERKEEPER ALLIANCE 180 MAIDEN LANE NEW YORK, NY 10038 | N/A PC | TO SUPPORT THE SQUAW VALLEY SKI FEST. | 7,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|--|---------------|
| WIKIMEDIA FOUNDATION, INC. 149 NEW MONTGOMERY STREET, 6TH FLOOR SAN FRANCISCO, CA 94105 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 80. |
| WILD EARTH ALLIES, INC. 2 WISCONSIN CIRCLE, SUITE 900 CHEVY CHASE, MD 20815 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| WILD EARTH ALLIES, INC. 2 WISCONSIN CIRCLE, SUITE 900 CHEVY CHASE, MD 20815 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 150. |
| WILDLIFE CONSERVATION NETWORK, INC. 209 MISSISSIPPI STREET SAN FRANCISCO, CA 94107 | N/A PC | IN SUPPORT OF THE GENERAL FUND. | 756. |
| WILDLIFE CONSERVATION NETWORK, INC. 209 MISSISSIPPI STREET SAN FRANCISCO, CA 94107 | N/A PC | IN SUPPORT OF THE GLOBAL WILDLIFE CONSERVATION - SOALA WORKING GROUP. | 540. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 500. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 720. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| WILDLIFE CONSERVATION SOCIETY 2300 SOUTHERN BOULEVARD BRONX, NY 10460 | N/A PC | TO SUPPORT CROCODILE CONSERVATION FIELDWORK IN CUBA. | 3,000. |
| WILL ROGERS MIDDLE SCHOOL PTA 365 MONROVIA AVE LONG BEACH, CA 90803 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 50. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------|
| WORLD WILDLIFE FUND, INC. 1250 24TH STREET, NW WASHINGTON, DC 20037 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 200. |
| WSKG PUBLIC TELECOMMUNICATIONS COUNCIL 601 GATES ROAD VESTAL, NY 13850 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 720. |
| YALE UNIVERSITY SAGE HALL, 205 PROSPECT STREET NEW HAVEN, CT 06511 | N/A PC | TO SUPPORT A VARIETY OF INITIATIVES AROUND THE SCHOOL OF FORESTRY AND ENVIRONMENTAL STUDIES. | 3,000. |
| YALE UNIVERSITY SAGE HALL, 205 PROSPECT STREET NEW HAVEN, CT 06511 | N/A PC | IN SUPPORT OF THE YALE SCHOOL OF FORESTRY AND ENVIRONMENTAL STUDIES CLASS OF 2005 LAURIE B CUOCO MEMORIAL FUND. | 1,000. |
| YALE UNIVERSITY SAGE HALL, 205 PROSPECT STREET NEW HAVEN, CT 06511 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| YAVAPAI CASA FOR KIDS FOUNDATION PO BOX 12457 PRESCOTT, AZ 86304 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 800. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|---|---|---|---------------|
| YAVAPAI CASA FOR KIDS FOUNDATION PO BOX 12457 PRESCOTT, AZ 86304 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 2,000. |
| YAVAPAI COLLEGE FOUNDATION 1100 E SHELDON STREET PRESCOTT, AZ 86301 | N/A PC | TO SUPPORT THE ANI MARIA KAZANDJIAN ENDOWED SCHOLARSHIP. | 20,200. |
| YAVAPAI HUMANE SOCIETY 1625 SUNDG RANCH ROAD PRESCOTT, AZ 86301 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,000. |
| YOUNG LIFE 880 NORTHWOODS BOULEVARD SUITE 2 INCLINE VILLAGE, NV 89451 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 1,200. |
| YOUTH TENNIS ADVANTAGE PO BOX 330458 SAN FRANCISCO, CA 94133 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 9,000. |
| YOUTH TENNIS ADVANTAGE PO BOX 330458 SAN FRANCISCO, CA 94133 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 6,000. |

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEARATTACHMENT 21 (CONT'D)

| <u>RECIPIENT NAME AND ADDRESS</u> | <u>RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR AND FOUNDATION STATUS OF RECIPIENT</u> | <u>PURPOSE OF GRANT OR CONTRIBUTION</u> | <u>AMOUNT</u> |
|--|---|---|---------------------|
| YOUTH VILLAGES, INC. 3320 BROTHER BOULEVARD MEMPHIS, TN 38133 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 100. |
| ZION EVANGELICAL LUTHERAN CHURCH 220 W HENRY STREET STAUNTON, IL 62088 | N/A PC | IN SUPPORT OF GENERAL OPERATIONS. | 10,000. |
| | | TOTAL CONTRIBUTIONS PAID | <u>288,242,887.</u> |