

Academic Support

AIMS

Wilda, Elizabeth

"Spirit of Providence- Springfield Segments"
Holyoke Cultural Council
Other States and Local Governments/
Other/Grant
106-0473
December 12, 2005 - June 30, 2006
Direct \$1,000/ Indirect \$0/ Total \$1,000

Fine Arts Center

Assaf, Andrea

"Organizational Support - Second Year of Two-Year Grant"
MA Cultural Council
Commonwealth of Massachusetts/CT ART 1130050000000002117-1
Other/Contract
106-0462 / A125366
July 01, 2005 - June 30, 2006
Direct \$6,000/ Indirect \$0/ Total \$6,000

Assaf, Andrea

"YouthReach Initiative - Second year of Two-Year Grant"
MA Cultural Council
Commonwealth of Massachusetts/CT ART 1130050000000002115-1
Other/Contract
106-0460 / A125364
July 01, 2005 - June 30, 2006
Direct \$13,000/ Indirect \$0/ Total \$13,000

Devi, Ranjanaa

"Organizational Support - Year 2"
MA Cultural Council
Commonwealth of Massachusetts/CT ART 1130050000000002116-1
Other/Contract
106-0437 / A125338
July 01, 2005 - June 30, 2006
Direct \$3,700/ Indirect \$0/ Total \$3,700

College of Engineering

Chemical Engineering

Malone, Michael F.

CO-PI: Huss, Robert S

"Conceptual Design for Reactive Distillation of Vinyl Ethers"
KSE Inc
Industry/
Research/Contract
106-0043
November 01, 2005 - June 30, 2007
Direct \$126,292/ Indirect \$71,708/ Total \$198,000

Civil & Environmental Engineering

Tobiason, John Eric

"Chalmers Drinking Water Research Program (Unrestricted Grant)"
Chalmers University of Technology
Other Colleges and Universities/
Research/Grant
106-0440 / A122135
August 16, 2005 - December 31, 2049
Direct \$11,091/ Indirect \$1,109/ Total \$12,200

College of Engineering

Civil & Environmental Engineering

Tobiason, John Eric

"Innovative Applications of Treatment Processes for Spent Filter Backwash"
Environmental Engineering & Technology
Industry/
Research/Contract
106-0035
October 17, 2005 - May 01, 2008
Direct \$67,635/ Indirect \$11,888/ Total \$79,523

Electrical and Computer Engineering

Fischetti, Massimo

"Simulation of Electronic Transport in "Unconventional" MOSFETS"
Semiconductor Research Corp
Industry/
Research/Contract
106-0135
January 01, 2006 - December 31, 2006
Direct \$6,656/ Indirect \$3,761/ Total \$10,417

McLaughlin, David J

"Research Support - Unrestricted Account"
Raytheon Co
Industry/
Other/Grant
106-0394 / A125375
June 23, 2005 - December 31, 2049
Direct \$36,364/ Indirect \$3,636/ Total \$40,000

McLaughlin, David J

"Research Support - Unrestricted Account"
Raytheon Co
Industry/
Other/Grant
106-0393 / A125375
August 26, 2005 - December 31, 2049
Direct \$36,364/ Indirect \$3,636/ Total \$40,000

Siqueira, Paul

"Advanced Performance Two-Channel Ku- and KA-band Dual-Downconverters for Interferometric Radar Applications"
National Aero and Space Administration
Independent Establishments & Govt Corps/NNG06GA46G
Research/Grant
105-1330
November 15, 2005 - November 14, 2008
Direct \$98,063/ Indirect \$27,369/ Total \$125,432

Mechanical and Industrial Engineering

de Bruyn Kops, Stephen

"Dynamics of Turbulence Strongly Influenced by Buoyancy"
Office of Naval Research
US Dept of Defense/N00014-04-1-0687 P00003
Research/Grant
106-0690 / A122607
November 16, 2005 - December 31, 2006
Direct \$44,421/ Indirect \$21,579/ Total \$66,000

College of Engineering

Mechanical and Industrial Engineering

Hyers, Robert

"Measurement of High Temperature Creep Resistance via Electrostatic Levitation"

National Aero and Space Administration
Independent Establishments & Govt Corps/NNM04AA78G#01

Research/Grant
106-0434 / A123301

May 31, 2005 - August 15, 2006

Direct \$33,184/ Indirect \$16,816/ Total \$50,000

UMASS Transportation Center

Collura, John

"Evaluation of the Green Bike Lanes on Williston Road"

VT Agency of Transportation
Other States and Local Governments/VTAOT05-04A 0984394

Research/Contract
106-0204

December 07, 2005 - June 30, 2006

Direct \$13,138/ Indirect \$0/ Total \$13,138

Shuldiner, Paul W.

"I-95 Corridor Coalition Contract Manager"

University of Maryland
Other Colleges and Universities/Q020701 Mod A

Research/Contract
106-0477 / A121506

January 01, 2006 - December 31, 2006

Direct \$134,941/ Indirect \$13,494/ Total \$148,435

Shuldiner, Paul W.

"Cooperative Research Program, Task 6:
MetroWestSuburban Mobility Research, Development and
Technology Project"

MA Highway Department
Commonwealth of Massachusetts/CCDPW 08134MS9793

Research/Contract
106-0660 / A125343

November 25, 2005 - November 21, 2006

Direct \$0/ Indirect \$0/ Total \$0

College of Nat. Resources & The Environ.

Cranberry Experiment Station

Sandler, Hilary A

"Kerb Efficacy and BMP Development (Note: Kerb is a
Herbicide.)"

Cranberry Institute
Institutes and Associations/

Research/Grant
106-0648 / A110214

October 20, 2005 - December 31, 2009

Direct \$550/ Indirect \$0/ Total \$550

Sandler, Hilary A

"Cranberry Research: Integrated Pest Management of Dodder
Floods."

Cape Cod Cranberry Growers' Assoc
Institutes and Associations/

Research/Grant
106-0814 / A110214

December 01, 2005 - December 31, 2009

Direct \$4,204/ Indirect \$0/ Total \$4,204

College of Nat. Resources & The Environ.

Microbiology

Lovley, Derek

"Optimization of Microbial Fuel Cells via Genetic Engineering
and Development of New Anode Surfaces"

Toyota Technical Center
Industry/

Research/Contract
106-0389

December 01, 2005 - November 30, 2006

Direct \$118,182/ Indirect \$11,818/ Total \$130,000

Lovley, Derek

"Biotransformation Involved in Sustained Reductive Removal
of Uranium in Contaminant Aquifers"

US Dept of Energy
US Dept of Energy/DE-FG02-04ER63719 A003

Research/Grant
106-0835

November 15, 2005 - November 14, 2006

Direct \$194,439/ Indirect \$105,482/ Total \$299,921

Natural Resources Conservation

Kane, Brian

CO-PI: Ryan III, H Dennis

"Assessment of Urban and Community Forestry Capacity in
MA"

MA Dept of Conservation and Recreation
Commonwealth of Massachusetts/CT DCR
5CTDCR40001UMASSUCF01
Research/Contract

106-0604 / A125365

November 30, 2005 - June 30, 2007

Direct \$24,924/ Indirect \$2,233/ Total \$27,157

Kittredge Jr., David Brayton

CO-PI: Stevens, Thomas H Resource Economics

CO-PI: Schweik, Charles

CO-PI: Catanzaro, Paul

"Acorn (a CoOperative Resource Network): Internet to
Promote Ecosystem-Level Cooperation Among Private Forest
Owners"

Coop State Res, Educ and Ext Service
US Dept of Agriculture/2006-55101-16564

Research/Grant

105-0768 / A125350

January 01, 2006 - December 31, 2009

Direct \$343,034/ Indirect \$76,966/ Total \$420,000

Loomis, David K

"A Human Dimensions Integrated Assessment for the Dry
Tortugas"

Nat'l Oceanic and Atmospheric Admin
US Dept of Commerce/ DG133C-05-SE-6582

Research/Contract
106-0290 / A125342

November 29, 2005 - December 01, 2006

Direct \$72,000/ Indirect \$18,000/ Total \$90,000

College of Nat. Resources & The Environ.

Plant, Soil and Insect Sciences

Averill, Anne L.

"Cranberry Insect Projects"
Cranberry Institute
Institutes and Associations/
Research/Grant
106-0685 / A118916
October 20, 2005 - December 31, 2049
Direct \$3,250/ Indirect \$0/ Total \$3,250

Averill, Anne L.

"IR-4 Minor Crop Pest Management"
Cornell University
Other Colleges and Universities/48745-7854
Research/Contract
106-0402
April 15, 2005 - April 14, 2006
Direct \$4,000/ Indirect \$0/ Total \$4,000

Averill, Anne L.

"Cranberry Insect Projects"
Cranberry Institute
Institutes and Associations/
Research/Grant
106-0692 / A118916
October 20, 2005 - December 31, 2049
Direct \$2,875/ Indirect \$0/ Total \$2,875

Schloemann, Sonia

"In Search of Sustainable Botrytis Management: A Research and Extension Effort"
Pennsylvania State University
Other Colleges and Universities/3049-UM-UV-5227
Research/Contract
105-0498
April 01, 2005 - June 30, 2008
Direct \$6,000/ Indirect \$0/ Total \$6,000

Vittum, Patricia J.

"Turf Insect Ecology"
E. I. Dupont De Nemours and Co
Industry/
Research/Grant
106-0781 / A110429
November 16, 2005 - December 31, 2049
Direct \$14,795/ Indirect \$1,480/ Total \$16,275

Wick, Robert L.

"Lab Analysis for Sudden Oak Death"
MA Dept of Agricultural Resources
Commonwealth of Massachusetts/
Research/Contract
106-0580 / A125347
November 29, 2005 - December 31, 2005
Direct \$16,364/ Indirect \$1,636/ Total \$18,000

College of Nat. Resources & The Environ.

Plant, Soil and Insect Sciences

Wick, Robert L.

"Regional Center for Plant Diagnostic Facility"
Cornell University
Other Colleges and Universities/42681-7228 #4
Research/Contract
106-0245 / A121862
November 22, 2005 - June 30, 2006
Direct \$3,500/ Indirect \$0/ Total \$3,500

College of Natural Sciences and Mathematics

Astronomy

Yun, Min S

"GBT Student Support Program"
National Radio Astronomy Observatory
Other Sponsors/GSSP06-0002
Research/Grant
106-0340 / A125349
October 01, 2005 - September 30, 2006
Direct \$26,134/ Indirect \$3,000/ Total \$29,134

Biochemistry and Molecular Biology

Theis, Karsten W

"High Throughput Vapor Diffusion Technology for Nanogram Scale Crystallization of Biological Macromolecules"
MA Technology Transfer Center
Commonwealth of Massachusetts/
Research/Contract
106-0143 / A125311
August 01, 2005 - December 31, 2006
Direct \$25,000/ Indirect \$0/ Total \$25,000

Biology

Zoeller, R. Thomas

"Thyroid Toxicology: PCBs Exert Thyroid Hormone-Like Effects on Oligodendrocyte Development"
Environmental Protection Agency
Independent Establishments & Govt Corps/FP - 91642401 - 1
Other/Contract
106-0832 / A122893
August 18, 2004 - August 18, 2007
Direct \$3,326/ Indirect \$0/ Total \$3,326

Chemistry

Thayumanavan, Sankaran

"Polymers for Phase Transfer Catalysis in the Fluorophase"
Army Research Office
US Dept of Defense/W911NF-05-1-0390 P00001
Research/Grant
106-0850 / A124715
December 01, 2005 - November 30, 2006
Direct \$48,387/ Indirect \$26,613/ Total \$75,000

College of Natural Sciences and Mathematics

Computer Science

Osterweil, Leon J

"Process Technology for Achieving Online Governmental Dispute Resolution"

National Science Foundation
National Science Foundation/IIS-0429297#001

Research/Grant
106-0765 / A123515

November 01, 2005 - October 31, 2006

Direct \$201,285/ Indirect \$98,282/ Total \$299,567

Shenoy, Prashant

"Intel Corporation Unrestricted Grant"

Intel Corporation
Industry/

Research/Grant
106-0746 / A125325

November 21, 2005 - December 31, 2009

Direct \$60,000/ Indirect \$0/ Total \$60,000

Geosciences

Cooke, Michele L

"CAREER: Response of Fault Systems to Shifts in Tectonic Regime: Implications for the Evolution of and Present-day Activity"

National Science Foundation
National Science Foundation/EAR-0349070#003

Research/Grant
106-0849 / A121744

December 19, 2005 - December 31, 2006

Direct \$105,065/ Indirect \$0/ Total \$105,065

Leckie, R. Mark

"Calcareous Nannofossil and Foraminiferal Biostratigraphy of Porcupine Basin"

Joint Oceanographic Institutions
Institutes and Associations/

Research/Contract
106-0211

May 01, 2005 - February 28, 2008

Direct \$14,030/ Indirect \$7,961/ Total \$21,991

Mathematics and Statistics

Katsoulakis, Markos

"Multiscale Modeling of Spatially Distributed Biological Systems"

University of Delaware
Other Colleges and Universities/8847 CCST 372128

Research/Contract
105-1187

August 15, 2005 - August 14, 2006

Direct \$65,791/ Indirect \$36,185/ Total \$101,976

Physics

Hertzbach, Stanley S.

"Experimental Elementary Particle Physics at UMass Amherst"

US Dept of Energy
US Dept of Energy/DE-FG02-92ER40715 A027

Research/Grant
106-0836

January 01, 2005 - December 31, 2005

Direct \$56,740/ Indirect \$23,260/ Total \$80,000

College of Natural Sciences and Mathematics

Physics

Tuominen, Mark

"Functional Nanoscale Elements and Charge Transport in Nanoscale Soft Matter Systems"

National Science Foundation
National Science Foundation/DMR-0306951#003

Research/Grant
106-0848 / A121566

December 16, 2005 - December 31, 2006

Direct \$72,850/ Indirect \$37,150/ Total \$110,000

Willcoq, Stephane

"Atlas Experiment at the Large Hadron Collider"

Brookhaven National Lab
Institutes and Associations/101336 Amend.#2

Research/Contract
106-0223

December 30, 2005 - September 30, 2006

Direct \$98,490/ Indirect \$25,399/ Total \$123,889

Polymer Science and Engineering

Capistran, James D

CO-PI: Lesser, Alan J

"CUMIRP Part I Cluster N: Nanoscopic Materials"

Eastman Kodak
Industry/

Research/Contract
106-0730 / A112026

September 01, 2005 - December 31, 2009

Direct \$11,502/ Indirect \$6,498/ Total \$18,000

Lesser, Alan J

"Enhanced Performance of Rigid-Rod Polymeric Fibers by Post-treatment in Supercritical Carbon Dioxide"

Army Research Office
US Dept of Defense/W911NF-05-1-0478P00001

Research/Grant
106-0834 / A124589

December 05, 2005 - December 04, 2006

Direct \$66,449/ Indirect \$33,551/ Total \$100,000

Tew, Gregory N

"Antimicrobial Designer Materials"

University of Pennsylvania
Other Colleges and Universities/5-40076 #4

Research/Contract
106-0256 / A119489

September 01, 2005 - August 31, 2006

Direct \$66,266/ Indirect \$30,734/ Total \$97,000

College of Social & Behavioral Sciences

Anthropology

Sugerman, Michael

"American Expedition to Idalion, Cyprus: Final Report"

Harvard University
Other Colleges and Universities/

Research/Contract
105-1455 / A124486

June 01, 2005 - May 30, 2010

Direct \$25,000/ Indirect \$0/ Total \$25,000

College of Social & Behavioral Sciences

Anthropology - Archaeological Services

Mulholland, Mitchell T

"Feasibility Study/Records Review for Section of Underground 115kV Power Line, NW VT Reliability, Shelburne VT."

Vermont Electric Power Company
Industry/PO #22019

Research/Contract

106-0451

October 12, 2005 - October 17, 2006

Direct \$4,819/ Indirect \$947/ Total \$5,766

Mulholland, Mitchell T

"Washington, Valley Road Bridge Replacement Project"

MA Highway Department
Commonwealth of Massachusetts/

Research/Contract

106-0749 / A125324

November 29, 2005 - June 30, 2006

Direct \$11,791/ Indirect \$1,149/ Total \$12,940

Mulholland, Mitchell T

"Hadley Phase 1 Archaeological Intensive Survey, Water Treatment Facility"

Hadley Town of
Other States and Local Governments/

Research/Contract

106-0697 / A125326

November 21, 2005 - January 21, 2006

Direct \$5,830/ Indirect \$564/ Total \$6,394

Mulholland, Mitchell T

"Gill, MA-Archaeological Reconnaissance and Intensive Survey of the Mariamante Parcel"

Gill Town of
Other States and Local Governments/

Research/Contract

106-0696 / A125345

November 20, 2005 - November 20, 2006

Direct \$13,654/ Indirect \$1,335/ Total \$14,989

Mulholland, Mitchell T

"Route 20 (Boston Road) and Post Office Park Drives (East and West) Intersection Improvements, Wilbraham MA"

MA Highway Department
Commonwealth of Massachusetts/

Research/Contract

106-0768 / A125346

November 03, 2005 - June 30, 2006

Direct \$5,171/ Indirect \$506/ Total \$5,677

Mulholland, Mitchell T

"Raynham-Phase 2 Site Examination Survey of the Bassett Brook Historic Site for the Phase 6 Sewer Project"

Tighe and Bond Consulting Engineers
Industry/

Research/Contract

106-0769 / A125369

December 15, 2005 - December 15, 2006

Direct \$11,820/ Indirect \$1,157/ Total \$12,977

College of Social & Behavioral Sciences

Anthropology - Archaeological Services

Mulholland, Mitchell T

"Council Oak Development, Dighton - Phase 1 Archaeological Intensive Survey"

Council Oak II
Industry/

Research/Contract

106-0698 / A125370

November 16, 2005 - November 16, 2006

Direct \$11,697/ Indirect \$2,290/ Total \$13,987

Mulholland, Mitchell T

"Archaeological Survey for the Vegetation Removal, Westfield-Barnes Airport, Westfield, MA"

Gale Associates Inc
Industry/

Other/Contract

105-1589 / A125340

October 20, 2005 - October 20, 2006

Direct \$13,624/ Indirect \$1,326/ Total \$14,950

Economics

Boyce, James K.

"The Corporate Toxics Information Project"

Rasmussen Foundation, V. Kann
Foundations/

Other/Grant

106-0283 / A125351

November 15, 2005 - June 30, 2007

Direct \$68,182/ Indirect \$6,818/ Total \$75,000

Psychology

Wade, George N.

"Hormones, Brain Function, and Behaviors"

National Institutes of Health
US Dept of Health and Human Services/5 R01 NS010873-33

Research/Grant

106-0459

December 01, 2005 - November 30, 2006

Direct \$148,800/ Indirect \$81,840/ Total \$230,640

Sociology

Anderton, Douglas L

CO-PI: Swedlund, Alan C. Anthropology

"Grammars of Death: 19th-Century Literal Causes of Death from the Age of Miasma to Germ Theory"

National Institutes of Health
US Dept of Health and Human Services/5 R01 HD044074-03

Research/Grant

106-0560

January 01, 2006 - December 31, 2006

Direct \$181,960/ Indirect \$37,202/ Total \$219,162

College of Social & Behavioral Sciences

Sociology

Clawson, Dan

CO-PI: **Anderton, Douglas L**

CO-PI: **Gerstel, Naomi R.**

CO-PI: **Misra, Joya**

CO-PI: **Stokes, Randall G**

CO-PI: **Zussman, Robert**

"Editorship of the Rose Series in Sociology"

American Sociological Association
Institutes and Associations/

Other/Grant

106-0826 / A112500

December 08, 2005 - February 15, 2006

Direct \$2,080/ Indirect \$0/ Total \$2,080

Human Resources

Human Resources

Connolly, Joseph F.

"Southern Hilltowns Adult Education Center (SHAEC)"

Chester Town of

Other States and Local Governments/5641

Research/Contract

105-1221 / A125148

September 10, 2005 - September 30, 2006

Direct \$60,480/ Indirect \$6,048/ Total \$66,528

School of Education

Educational Policy Research & Administration

Evans, David R.

"Sudan Basic Education Project INCREMENTAL FUNDING"

CARE Inc

Foundations/623-A-00-02-00068-00-UMASS-01 #3

Other/Contract

106-0676 / A118930

November 18, 2005 - March 31, 2006

Direct \$333,823/ Indirect \$96,177/ Total \$430,000

Sireci, Stephen G

"Evaluation of the National Assessment of Educational Progress"

University of Nebraska

Other Colleges and Universities/25-1712-0001-04

Research/Contract

106-0441 / A123607

September 24, 2005 - September 23, 2006

Direct \$263,802/ Indirect \$84,618/ Total \$348,420

School of Management

MA Small Business Dev Ctr

Parkin, Georgianna E.

"Massachusetts Small Business Development Center"

Small Business Administration

Independent Establishments & Govt Corps/6-603001-Z-0022-26

Other/Co-op

106-0016 / A124696

October 01, 2005 - September 30, 2006

Direct \$1,758,572/ Indirect \$0/ Total \$1,758,572

University Outreach

UMASS Extension

Schrader, Robert W.

"Massachusetts 4-H Program"

MA Dept of Agricultural Resources

Commonwealth of

Massachusetts/CT-AGR-6FARMARK4-HACTIVITIES-1

Other/Contract

106-0605 / A

December 15, 2005 - June 30, 2006

Direct \$100,000/ Indirect \$0/ Total \$100,000

VPR/Vice Provost for Research

EI

Katsh, Ethan : Legal Studies

CO-PI: **Sondheimer, Norman Computer Science**

"Government Online Dispute Resolution"

National Mediation Board

Independent Establishments & Govt Corps/

Research/Co-op

106-0413 / A125344

October 01, 2005 - September 30, 2006

Direct \$57,329/ Indirect \$5,671/ Total \$63,000

VPR/The Environmental Institute

The Environmental Institute

Reckhow, David A : Civil & Environmental Engineering

CO-PI: **Tobiason, John Eric Civil & Environmental Engineering**

"Natural Organic Matter in Springfield's Cobble Mountain Reservoir and Watershed"

Springfield Water and Sewer Commission

Other States and Local Governments/

Research/Contract

106-0110

December 28, 2005 - June 30, 2006

Direct \$9,123/ Indirect \$912/ Total \$10,035

Taupier, Richard P.

"GIS Study"

Central Mass Regional Planning Com

Other States and Local Governments/

Research/Grant

106-0634 / A125312

November 17, 2005 - May 30, 2006

Direct \$6,995/ Indirect \$595/ Total \$7,590

VPR/University Press

University Press

Wilcox, Bruce G.

"Stilling, Elizabeth "A Kind of Archeology: Collecting American Folk Art 1876-1976"

Driscoll, W. John

Other Sponsors/

Other/Grant

106-0725

November 02, 2005 - December 31, 2049

Direct \$5,000/ Indirect \$0/ Total \$5,000

VPR/University Press

University Press

Wilcox, Bruce G.

"Subvention toward Publication Cost of "Tolerable
Entertainment: Herman Melville and Professionalism in
Antebellum NY" by John Evelev"

University of Missouri

Other Colleges and Universities/

Other/Grant

106-0665 / A125378

October 25, 2005 - December 31, 2049

Direct \$4,000/ Indirect \$0/ Total \$4,000

Wilcox, Bruce G.

"Stillinger, Elizabeth "A Kind of Archeology: Collecting
American Folk Art 1876-1976""

Keno Inc

Industry/

Other/Grant

106-0723 / A125381

October 11, 2005 - December 31, 2049

Direct \$1,000/ Indirect \$0/ Total \$1,000

Wilcox, Bruce G.

"Augst, Thomas "Institutions of Reading""

Princeton University

Other Colleges and Universities/

Other/Grant

106-0442 / A125348

September 09, 2005 - December 31, 2049

Direct \$4,000/ Indirect \$0/ Total \$4,000