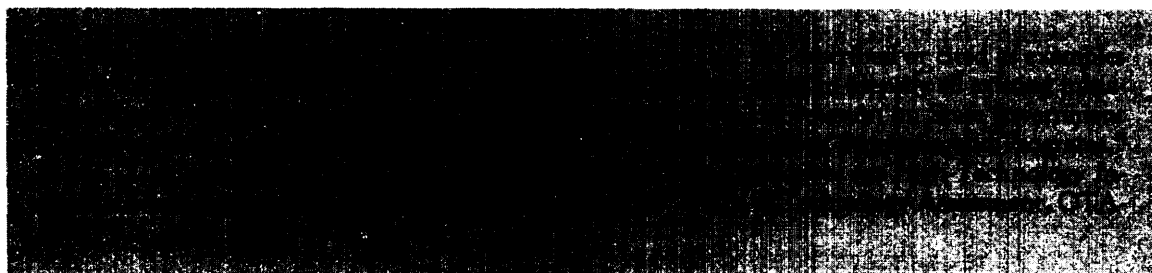


Index of Initiatives Cited in This Background Paper



Alabama

University initiatives

University of Alabama at Huntsville—Center for High Technology Management and Economic Research, 67

Local initiatives

Huntsville:

- efforts to create employment opportunities around Redstone Arsenal, 42, 47, 48, 67
- establishment of University of Alabama at Huntsville, 44, 67
- foreign trade zone/industrial park, 68
- marketing efforts to attract high-technology, 48
- research park district/Cummings Research Park, 68
- Von Braun Civic Center, 46, 68

Arizona

State initiatives

Center for Excellence at Arizona State University, 33, 58

University initiatives

Arizona State University—Center for Excellence, 33, 58

Local initiatives

Phoenix:

- cooperation with SBA 503 loan program, 69
- Excellence in Engineering for the 1980's, 68
- initiative to improve local technical education, 44
- marketing efforts to attract high technology, 43
- zoning and planning initiatives, 69

Private sector initiatives

Advisory Council for Engineering—"Excellence in Engineering for the 1980's" and advocacy activities, 69

Corporate donations to Center for Engineering Excellence, 58

Phoenix Chamber of Commerce—zoning and planning initiatives, 69

Arkansas

University initiatives

University of Arkansas at Little Rock—Industrial Research Extension Center, 34

California

State initiatives

Innovation Development Loan Fund, 16

MICRO (University of California at Berkeley), 17, 30

University initiatives

California Institute of Technology: Silicon Systems research consortium, 31

Stanford University:

- Center for Biotechnology Research, 32, 59
- Center for Integrated Systems, 31, 34, 58
- investment in spinoffs, 32, 33, 59
- Stanford Industrial Park, 3, 28, 30
- venture capital investment, 33

University of California—Center for Biotechnology Research, 32

University of California at Berkeley—MICRO, 17, 30

Local initiatives

San Diego:

- establishment of University of California at San Diego, 44, 69
- land development and sales, 69
- research parks, 70
- targeted marketing programs, 48, 70

Private sector initiatives

Advocacy role of high-technology entrepreneurs, 62
 Alpha Fund—local seed capital investments, 61
 American Electronics Association—"2-percent" giving by members, 58, 62
 Bay Venture Group—local seed capital investments, 61
 Bendix Corp.—Center for Biotechnology Research, 32
 Center for Biotechnology Research—research consortium, 32, 59
 Center for Integrated Systems—research consortium, 32, 34, 58
 Elf Technologies—Center for Biotechnology Research, 32
 Engenics—Center for Biotechnology Research, 32, 59
 General Foods—Center for Biotechnology Research, 32
 Kopvenco—Center for Biotechnology Research, 32
 MacLaren Corp.—Center for Biotechnology Research, 32
 Mead Corp.—Center for Biotechnology Research, 32
 Santa Clara County Manufacturers Group, 62
 Silicon Systems—research consortium, 31

Colorado

Local initiatives

Colorado Springs:
 —establishment of University of Colorado at Colorado Springs (UCCS), 44, 70
 —Institute for Business and Industrial Technology, 71
 —targeted marketing efforts, 43, 48, 71

Private sector initiatives

Advisory Council—UCCS Engineering School, 71
 NCR Microelectronics—equipment donation to UCCS, 71
 UCCS Task Force, 71

Connecticut

State initiatives

Connecticut Product Development Corp., 15
 Enterprise Zones, 33
 Innovation Development Loan Fund, 16
 Science Park, 16, 19, 33
 Targeted industries, 15

University initiatives

Yale University—Science Park, 16, 19, 33
 —venture capital investment, 33

Local initiatives

New Haven—Science Park, 16, 19, 33

Private sector initiatives

General Electric—philanthropic role, 57
 Olin Corp.—Science Park, 33
 Xerox:
 —affirmative action plan for small businesses, 57
 —philanthropic role, 56, 57
 —program for loaning personnel, 58

Delaware

University initiatives

Delaware Technical and Community College:
 —Technology Research Center (under development), 31
 —training and retraining program (with General Motors), 31

Private sector initiatives

General Motors—collaboration in Delaware
 Technical and Community College training and retraining program, 31

Florida

State initiatives

Florida Research and Development Commission—
 research parks, 33
 Graduate Engineering Education System, 72

University initiatives

Florida Institute of Technology, 72
 University of Central Florida:
 —Central Florida Research Park, 73
 —Lifelong Learning Center, 72

Local initiatives

Brevard County:
 —efforts to create employment opportunities around Kennedy Space Center, 42, 47
 —Melbourne airport incubator facilities, 72
 —Labor Needs Survey/Educational Task Force, 72
 Orlando:
 —Central Florida Research Park, 73
 —marketing efforts to attract high-technology firms, 43

Private sector initiatives

Harris Co.:
 —Graduate Engineering Education System, 72
 —lending personnel to local schools, 58
 Melbourne Area Committee of 100—Labor Needs Survey, 72

Georgia

State initiatives

Advanced Technology Development Center (ATDC), 15, 32, 60
Targeted industries, 15

University initiatives

Georgia Institute of Technology:
–ATDC, 15, 32, 60
—seed capital fund, 33

Private sector initiatives

Corporate contributions to ATDC, 60

Illinois

State initiatives

Biomedical Research Park, 19, 30, 74
Faculty Research Assistance to the State (FRATS), 33
Governor's High-Technology Task Force, 74
Targeted industries, 15

University initiatives

University of Chicago—investment in spinoffs, 33
University of Illinois:
–Biomedical Research Park, 30, 74
–FRATS, 33

Local initiatives

Chicago:
–Biomedical Research Park, 30, 74
–High-Technology Development Unit, 74
–high-technology newsletter, 42, 45
–Mayor's High-Technology Task Force, 45, 47, 74

Indiana

State initiatives

Targeted industries, 15

University initiatives

Notre Dame—investment in spinoffs, 33
Purdue University—computer research consortium, 31

Iowa

University initiatives

Grinnell College—investment in spinoffs, 33

Kansas

University initiatives

University of Kansas—Entrepreneurship Center, 34
Wichita State University (WSU)—Center for Entrepreneurship, 32, 59

Private sector initiatives

Support from 50 local firms for WSU Center for Entrepreneurship, 32, 59

Maine

State initiatives

New Enterprise Institute, 19, 31

University initiatives

University of Southern Maine—New Enterprise Institute, 19, 31

Maryland

State initiatives

Technology Extension Service, 19

Local initiatives

Montgomery County:
–Shady Grove Medical Park, 75
—targeted marketing efforts, 76
—training programs, 75

Massachusetts

State initiatives

Bay State Skills Corp., 15
Small Business Development Center, 16
Targeted industries, 15
Tax reductions—“social contract” with high-technology industries, 62

University initiatives

Boston University—investment in spinoffs, 33
Harvard Medical School/Seagrams research partnership, 31
Harvard University:
—chair in creation of new ventures, 32
—investment in spinoffs, 33
—venture capital investment, 33
Harvard University/DuPont research partnership, 59
Harvard University/Monsanto research partnership, 31

Massachusetts Institute of Technology (MIT):

- Center for Biotechnology Research, 32
- incubator space, 33
- venture capital investment, 33
- MIT Enterprise Forum, 32
- MIT/EXXON research partnership, 31, 59

Local initiatives

Lowell:

- land use planning to attract Wang, 44, 46, 56, 76
- targeted marketing efforts, 42, 46
- University of Lowell, 76

Private sector initiatives

- Advocacy role of high-technology entrepreneurs, 56, 62
- Digital Equipment Corp.—Roxbury-South End site decision, 56
- Dupont-research partnership with Harvard University, 59
- EXXON-research partnership with MIT, 31, 59
- Massachusetts High Technology Council, 56, 58, 62
- Monsanto-research partnership with Harvard University, 31
- Seagrams-research partnership with Harvard Medical School, 31
- Wang Laboratories, Inc.—decision to locate in Lowell, 42, 56, 76

Michigan

State initiatives

- High-Technology Equity Loans Program, 19
- Metropolitan Center for High-Technology (Wayne State University), 19, 33
- Targeted industries, 15

University initiatives

- Michigan Institute of Technology-Michigan Tech Capital Corp., 33
- Wayne State University-Metropolitan Center for High Technology, 19, 33
- University of Detroit—student internships in industry, 32
- University of Michigan—Innovation Center, 33

Private sector initiatives

- Flint River Capital Fund, 61
- General Motors Institute—role in Flint River Capital Fund, 61
- Michigan Investment Fund, 61
- Mott Foundation—role in geographic investment funds, 61

Minnesota

State initiatives

- Enterprise zone legislation-Minneapolis Technology Corridor (proposed), 77
- Governor's Commission on SBIR Grants, 60
- Microelectronics and Information Sciences Center (MEIS) at the University of Minnesota, 30
- Minnesota Project Innovation, 60
- Pension fund investments in Minnesota Seed Capital Fund, 60
- Supercomputer Institute (proposed) at the University of Minnesota, 30
- Targeted industries, 15
- Tax credits for investment in startups, 60
- World Trade Center in St. Paul, 78

University initiatives

University of Minnesota:

- faculty participation in Minnesota Project Innovation, 60
- MEIS, 30
- Minneapolis Technology Corridor (proposed), 77
- Supercomputer Institute (proposed), 30

Local initiatives

Minneapolis:

- Business and Technology Center, 78
- Task Force on Research and Technology, 45, 77
- Technology Corridor (proposed), 77
- Port Authority of St. Paul—Energy Park, 78
- St. Paul:
- Business and Technology Center, 78
- Energy Park, 77
- Homegrown Economy Program, 77, 78
- incubator space, 78
- World Trade Center, 78

Private sector initiatives

Control Data Corp.:

- Business and Technology Centers, 57, 59, 75, 78, 83, 86
- City Venture Corp., 57
- Energy Technology Center, 78
- investment in MEIS, 30
- Rural Venture, 57
- St. Paul Energy Park, 77
- Honeywell:
- investment in MEIS, 30
- lending personnel to schools, 58
- philanthropic role, 55, 57
- program to donate equipment, 57
- MEIS—corporate funding, 30

Minnesota Business Partnership, 59, 61, 63
 Minnesota Cooperation Office, 58, 60, 61, 63, 78
 Minnesota Mining & Manufacturing Corp. (3M)—
 investment in MEIS, 30
 Minnesota Project Innovation, 60, 78
 Minnesota Seed Capital Fund, 60, 61, 63
 Sperry Univac—investment in MEIS, 30
 StarCo (Start-a-Company), 60, 78

Mississippi

State initiatives

Mississippi Research and Development Center, 34

University initiatives

University of Mississippi—Mississippi Research and
 Development Center, 34

Missouri

State initiatives

High-Tech Skills for Autoworkers (with General
 Motors), 31

Targeted industries, 15

University initiatives

University of Missouri:

—incubator space, 32

—training and retraining for autoworkers, 31

Washington University/Mallinckrodt research
 partnership, 31

Washington University/Monsanto research
 partnership, 31

Private sector initiatives

General Motors—High-Tech Skills for Autoworkers,
 31

Mallinckrodt, Inc.—research partnership with
 Washington University, 31

Monsanto—research partnership with Washington
 University, 31

New Mexico

State initiatives

Targeted industries, 15

University initiatives

Albuquerque Vocational-Technical Institute:

—technical assistance to industry, 34

—high-technology training/retraining programs, 34

Local initiatives

Albuquerque:

—incubator space, 79

—Venture Capital Conference, 79

New York

State initiatives

Center for Industrial Cooperation at SUNY/Stony
 Brook, 16, 30

Targeted industries, 15

University initiatives

Cornell University—endowed chair in American
 enterprise, 60

Rensselaer Polytechnic Institute:

—incubator space, 32, 80

—investment in spinoffs, 33

—Technology Industry Park, 30

SUNY at Binghamton—electrical engineering
 program, 80

SUNY at Stony Brook—Center for Industrial
 Cooperation, 16, 30

University of Rochester—investment in spinoffs, 33

Local initiatives

Binghamton:

—engineering program at SUNY-Binghamton, 80

—High-Technology Council, 80

—incubator space, 80

Private sector initiative

Broome County Chamber of Commerce—High
 Technology Council, 80

Continental Group—support for Cornell chair in
 American enterprise, 60

Exxon—engineering faculty assistance program, 59

IBM:

—donations to engineering schools, 59

—philanthropic role, 35, 56, 57

—program of lending personnel, 58

Olin—support for Cornell chair in American
 enterprise, 60

Sperry Rand Corp.:

—philanthropic role, 55

—program to donate equipment, 56

North Carolina

State initiatives

Center for Microelectronics, 30

Research Triangle Park, 3, 28, 30

Targeted industries, 15

University initiatives

Center for Microelectronics, 30

Research Triangle Park, 3, 28, 30

Private sector initiatives

Hewlett-Packard-Semiconductor Research
 Cooperative, 59

Honeywell–Semiconductor Research Cooperative, 59
 IBM–Semiconductor Research Cooperative, 59
 Semiconductor Research Cooperative, 59

Ohio

State initiatives

Loan to Cincinnati for creation of Institute of
 Advanced Manufacturing Sciences, 81

University initiatives

Case Western Reserve:

- entrepreneurship assistance, 32
- seed capital fund, 33

University of Cincinnati—Institute of Advanced
 Manufacturing Sciences, 43, 46, 63, 81

Local initiatives:

Cincinnati:

- creation of venture capital fund, 43, 45, 61, 62, 82
- Institute of Advanced Manufacturing Sciences, 43, 46, 63, 81
- Long View research/manufacturing park, 81
- Cleveland—creation of local venture capital fund, 61, 62

Private sector initiatives

Cincinnati Chamber of Commerce, 61, 62, 81
 Cleveland Tomorrow, Inc., 58, 62
 Gannett Foundation—Cincinnati venture capital
 fund, 61, 62, 81
 Gund Foundation—grant to Cleveland venture
 capital fund, 61

Oregon

University initiatives

Oregon Graduate Center, 82, 86
 Portland State University expansion, 82

Local initiatives

Portland:

- expansion of Portland State University, 82
- targeted marketing efforts, 82

Pennsylvania

State initiatives

Industrial Development Authority, 16, 83
 PENNTAP (Pennsylvania Technical Assistance
 Program), 19
 Targeted industries, 15

University initiatives

Carnegie-Mellon University:
 —incubator space, 32

—Pittsburgh Enterprise Corp., 32

—Robotics Institute, 31, 59

—seed capital fund, 33

—student internships in industry, 32

—venture capital investment, 33

Drexel University—Polymer Affiliates research
 consortium, 31

Lehigh University—student internships in industry,
 32

Pennsylvania State University—Cooperative Program
 in Recombinant DNA Technology-research
 consortium, 31

University City Science Center, 32, 42, 75, 83

University of Pennsylvania—Wharton School—seed
 capital fund, 33

University of Pittsburgh:

- Pittsburgh Enterprise Corp., 32
- Surface Science Center (consortium), 30

Local initiatives

Philadelphia:

- Business and Technology Center, 83
- University City Science Center, 32, 42, 83

Private sector initiatives

Control Data Corp.—Business and Technology
 Center, 83

Cooperative Program in Recombinant DNA
 Technology-research consortium with
 Pennsylvania State University, 31

Polymer Affiliates Program-research consortium
 with Drexel University, 31

Westinghouse—grant to Carnegie-Mellon Robotics
 Institute, 31, 59

Rhode Island

State initiatives

Targeted industries, 15

University initiatives

Brown University—investment in spinoffs, 33

Tennessee

State initiatives

Targeted industries, 15
 Technology Corridor Foundation, 15

Local initiatives

Oak Ridge:

- incubator space, 84
- industrial parks, 84
- selection of new contractor at DOE laboratories,
 84

Texas

State initiatives

Governor's High Technology Task Force, 86

University initiatives

Baylor University—entrepreneurship assistance, 32

University of Texas (UT):

— Balcones Research Center, 85

—Institute for Constructive Capitalism, 32, 60

UT-San Antonio—engineering programs, 86

Local initiatives

Austin:

— establishment of Austin Community College, 85

— marketing efforts to attract high-technology firms, 42, 43, 46, 48, 86

San Antonio:

— engineering programs at UT-San Antonio, 46, 86

—High-Technology High School, 44, 46, 86

—Mayor's high-technology action plan, 85

— targeted marketing for high-technology firms, 43, 56, 86

—Vista Verde South industrial park, 86

Private sector initiatives

Control Data:

— San Antonio Business and Technology Center, 86

— role in Vista Verde South, 86

Microelectronics & Computer Technology Corp.—
decision to locate in Austin, 42, 46, 85

Mobil—support for UT Center for Constructive
Capitalism, 32, 60

San Antonio Economic Development Foundation—
cooperative marketing program for high-technology
industry, 86

Shell—support for UT Center for Constructive
Capitalism, 32, 60

Tenneco—support for UT Center for Constructive
Capitalism, 32, 60

Texas Instruments—program to donate equipment,
56

United San Antonio—role in improving local
technical education, 86

Utah

University initiatives

University of Utah:

—Innovation Center, 32

—Science Park, 30, 74, 87

Local initiatives

Salt Lake City—Key Person Network, 87

Vermont

Local initiatives

Burlington-foreign trade zone, 88

Virginia

University initiatives

George Mason University—George Mason Institute,
30

University of Virginia—Alumni Patent Foundation,
59

Washington

University initiatives

Engineering Education Task Force, 46, 88

Washington State University—research and industrial
park, 30

Local initiatives

Seattle:

— efforts to create high-technology employment
opportunities, 42

—Engineering Education Task Force, 44, 46, 88

— targeted marketing efforts, 88

Private sector initiatives

Engineering Education Task Force, 88

Washington Research Foundation, 59

West Virginia

University initiatives

University of West Virginia—Center for
Entrepreneurship, 34

Wisconsin

State initiatives

Targeted marketing to attract robotics industry, 46

University initiatives

Lawrence University—investment in spinoffs, 33

Milwaukee School of Engineering—Applied
Technology Center, 89

University of Wisconsin:

—Center for Applied Microelectronics, 30

—Industry Research Program, 30

Wisconsin Alumni Research Foundation, 59

Wisconsin for Research, 63

Local initiatives

Milwaukee:

—efforts to retain biochemical research lab, 89

—Hilltop Parish Research Park, 89

—Robotics Task Force, 46, 89

Private sector initiatives

Competitive Wisconsin, Inc., 58, 63

Marquette Electronics—Hilltop Parish Research Park,
89-90

Metropolitan Milwaukee Association of Commerce—

New Business Ventures Office, 89

Wisconsin Alumni Research Foundation, 59

Wisconsin for Research, 63

Wyoming

University initiatives

University of Wyoming—Industrial Fund, 30