

Index

- Acoma Indian Tribe, 165
- Agriculture, 42,43,47,48,49
- Agriculture, industrialization of, 99, 103
- Alarnogordo, NM, 162
- Amenities, 92, 102
- Appalachia, 159
- Apple Computers, 16, 165
- Area Development District, 161
- Aroostook County, ME, 31, 170
- ARPANET, 77
- Asymmetric regulation, 118
- AT&T, 11, 15,62-64,79

- Bangor, ME, 169
- Bell of Pennsylvania, 129
- Bell operating companies, 69, 122, 123, 130
- Bell telephone system, 62-64,69
- Ben Franklin Partnership, 128
- Block grants, 20,28, 151
- Bloomsburg, PA, 84-85
- Bloomsburg University, 128
- Boyarski, Jenny, 162
- Broadband, 13, 14, 80
- Bulletin board, 107
- Bureau of the Census, 36
- Bush administration, 136
- Bypass, 65, 128

- Cable Communication Policy Act of 1984, 122
- Cable monopoly, 122
- Cable television, 71, 120, 121
- CAD-CAM, 67-68,81,84
- Capital, access to, 48
- Carter administration, 138, 147-148
- Census regions of the U. S., 37.
- Certified Cities, 160, 162
- Chrysler, 73
- Civil War, 39, 140, 141, 149
- Community College of Spokane, 167
- Community development, 91,92,93, 108, 109, 110
- Community Development Corp., 110
- Comparative advantages, 36
- Comparative disadvantages, 35
- Competitive advantage, 48
- Comprehensive development, 91, 106
- Congress, 30
- Congress, 101st, 136
- Cooperation among stakeholders, 19, 133
- Cooperative Extension Service, 23-25, 133, 142-144, 151
- Cost of living, 94
- Cost-benefit analyses, 126, 128
- Costilla, NM, 162
- Council of Economic Advisers, 134, 149
- Country Life Commission, 134, 141
- Credit, access to, 40
- Cross-ownership of cable and telephone companies, 122
- Cross-subsidization, 120

- Department of Agriculture, 21-24,49, 133, 134, 141, 143, 146, 149, 169
- Department of Commerce, 36
- Department of Defense, 146
- Department of Education, 111, 153
- Department of Energy, 146
- Department of Health and Human Services, 146
- Department of Housing and Urban Development, 146-147
- Department of the Interior, 146
- Department of Labor, 105
- Depreciation, 118
- Deregulation, 80, 115
- Dexter, Jack, 171
- Digital radio, 9,72, 116
- Digital switching, 70,81
- Distance learning, 105, 118
- Distance-sensitive pricing, 115, 126
- Distribution of costs, 116
- Distribution of income, 94
- Diverse economy, 98
- Diversity of rural areas, 92,94, 103
- Divestiture, 7,62,65, 128
- DS-3 lines, 48,72

- Early Winters Resort, 59
- Earnings gap, 43
- Economic Development Administration 11, 12, 109, 146, 153
- Economic growth, 94
- Economic Research Service, 23, 38
- Economies of scale, 47, 115, 126
- Education, 19,50,55,91,96, 100, 104
- Educational attainment, 44, 45
- Edward D. Jones & Co., 6
- Eisenhower administration, 134, 147
- Electricity, deployment to rural areas, 138-140
- Electronic data interchange, 46,47
- Employment, 91
- Employment levels, 92,93
- Employment, marginal, 91
- Employment, quality of, 93,95
- Environment, 35,45,50,51,52,53,54, 168, 171
- Environmental impact statements, 52
- Everett, Judge James, 159
- Eversole, Jack, 162
- Extended area service, 124, 125, 168

- Farm communities, 39,42
- Farm policy, 134-137
- Farmers Home Administration, 109
- Farming, 36,38, 39,40
- Farming, commercialization of, 39,40,41,42
- Fast packet switching, 75
- Federal budget deficit, 102
- Federal Communications Commission, 19, 20, 30, 31, 63-66, 122, 123, 129
- Federal Depository Library Program, 147
- Federal Government, role in development, 17,21-22, 133-155
- Federal/State Joint Board, 147
- Fiber optics, 70-73
- Financial deregulation, 99

- First Amendment, 140
- Forbes, William, 84
- Foreign investment, 48
- Fowler, Chairman Mark, 19
- Frito-Lay, 73
- Fulton County, KY, 162

- Garcia, CO, 5
- Gardner, Governor Booth, 170
- General Motors, 79
- Global economy, 7-8,45,50,91,98,99, 168
- Goals for rural America, 19, 137-138
- Gordon, Commissioner Ken, 171
- Grants, NM, 164
- Grassley, Senator Charles E., 4
- Great Society Program, 108

- Hatch, Senator Orrin G., 4
- Health care, 91, 96, 101, 104, 105, 106
- Health insurance, 101
- Henton, Mayor Amber, 152
- Higher Education Act, 32, 153
- Highway Trust Fund, 139
- Hispanics, 159, 162, 163-164
- Holistic development, 18,94, 100, 106, 144
- Hughes Network Systems, 73
- Human resources, 91, 105, 109, 110

- Imported labor, 93
- Independent telephone companies, 68-71,79,81, 118, 119
- Industrial Revolution, 39
- Inflation, 43
- Information economy, 115
- Information sector, 45
- Information services, 122, 123
- Information-intensive employment, 91
- Infrastructure, 7, 13,59-61,65-67
- Infrastructure, Federal role in development 137-140
- Integrated development, 110
- Intelligent network, 76-77
- Intellectual property rights, 140
- INTELSAT, 73
- Interconnection, 115
- Interexchange carriers, 129
- Interexchange toll charges, 115
- InterLATA calling, 115, 123
- International trade, 50
- Intragovernmental coordination, 144-146
- IntraLATA, 125
- Investment capital, 99, 100, 106
- Iowa Network Services, 129, 130
- ISDN, 69

- Jackson, President Andrew, 137, 149
- Japan, 159, 160-162, 169
- Jefferson, Thomas, 39, 134-137, 149
- Job recruitment, 93
- Johnson administration, 134
- Joint Economic Committee, 4

- Kennedy administration, 134
- Kentucky, 53,55, 159-162, 161-165, 168, 172
- Kentucky Early Warning System, 161
- Kentucky Educational Television, 160
- Kentucky Library Network, 161
- Kentucky Rural Economic Development Authority, 162
- K-Mart, 73

- Labor skills, 49,91,95, 100, 101, 104
- Land-grant colleges, 1,33, 134, 138
- Large business users, 81
- LATA, 31, 123, 128
- hinders Encouraging Aroostook Development, 170
- Leadership, 102, 109
- Less** urbanized counties, defined by Economic Research Service, 38
- LEXNET, 161
- Lifeline, 66
- Link Up America program, 66
- Livermore, KY, 152
- Local area network, 59,78,80
- Local control, 97
- Local exchange carriers, 117, 127, 129
- Local government, 102
- Local loop(s)**, 69,79
- Loop carrier system, 70

- Maine, 52,84, 111, 150, 169-172
- Maine Department of Economic and Community Development, 111
- Maine Department of Environmental Protection, 171
- Maine Research and Productivity Center, 84, 170
- Manhattan, 31
- Manufacturing, 8,35,41,42,46,49,98, 103
- Manufacturing Automation Protocol, 77
- Manufacturing, high-tech, 100
- Market forces, 31
- Mass media, impact on rural areas, 14-15,61
- Mass production, 47
- MCI, 64
- MEDNET, 15
- Mescalero Apache Indian Tribe, 163
- Mescalero, NM, 162
- Metropolitan area networks, 59,68,78, 80
- Metropolitan counties, defined by OMB, 36,38
- Metropolitan Fiber Systems, 68
- Michigan, 14, 150
- Microwave, 71
- Migration to urban areas, 40,41,44
- Minnesota, 150
- Mississippi State University, 105
- Modified Final Judgment, 64, 122, 124
- Motorola, 11
- Multimedia, 67

- Narrowband, 23,80
- National Agricultural Library, 143, 149
- National Research Education Network, 27,77, 153
- National Rural Electric Cooperatives Association, 138
- National Telecommunications and Information Administration, 147
- Native Americans, 44, 134, 159, 162, 163-164
- Nebraska, 84
- Networking, 46,78

-
- New Deal, 134
 New England Telephone Co., 111, 172
 New Jersey, 150
 New Mexico, 52, 107, 159, 162-166, 168, 169, 172
 New Mexico PUC, 166
 Niche markets, 52
 Nissan, 73
 Nixon Administration , 150
 Nonmetropolitan counties, defined by OMB, 36,98
 Nontraffic-sensitive costs, 117
 Norton, VA, 105

 Office of Management and Budget, 36,65, 149
 Okanogan County, WA, 167
 Olympia, WA, 166
 One-Stop Shop, 107, 165
 Open network architecture, 123

 Over-capitalization, 117
 Owensboro, KY, 153

 Paducah Community College, 160
 PalmettoNet, 130
 Palouse Economic Development Council, 107, 169
 Per-capita income, 44,94
 Physical capital, 99
 Physical quality of life index, 95
 Plains Electric Cooperative, 165-166
 Pooling demand, 13, 14
 Portland, ME, 169, 170
 Postal service, 133, 140, 166
 Poverty, 35,43,98, 101, 104
 Poverty rates, 43
 Presque Isle, ME, 169-170
 Price-cap regulation, 119, 120, 121
 Private networks, 8
 Productivity index, 119
 Public Law 96-355, 147
 Public libraries, 153-154
 Pullman, WA, 166

 Quality of life, 92

 Rate averaging, 63
 Rate base, 116, 117
 Rate regulation, 116
 Rate-of-return regulation, 116, 117, 118, 119
 Reagan administration, 134, 150
 Regional Bell operating companies, 68,74
 Remoteness, 35, 101, 103
 Revenue requirement, 116
 Roosevelt administration, 134, 138, 141-142
 Rural Area Networks, 8-11, 14,20,59,82-83, 127, 128, 129
 Rural areas, defined by Bureau of the Census, 36,38
 Rural Development Administration , 30, 32
 Rural Development Policy Act of 1980 (Public Law 96-355), 147
 Rural Economic Development Act of 1990,20,24,26,31, 140, 144,148
 Rural Electrification Administration , 23-26,31,69,79,81, 84, 133, 138, 140, 144, 148
 Rural Health Information Clearinghouse Service, 141
 Rural Information Center Clearinghouse, 23, 143, 149
 Rural Investment Partnerships, 29

 Salazar, Representative Nick, 164
 Sandia Labs, 165
 Satellite Telecommunication Education Program, 168
 Satellites, 73
 Seattle, WA, 167
 Seidman, Harold, 30
 Service sector, 100
 Signaling System 7, 169
 Sillman, Rich, 171
 Small Business Administration, 134, 146, 148
 Smith Lever Act of 1914, 142
 South Carolina, 130
 South Central Bell, 162
 Spokane, WA, 166
 Stability, 97
 Star School Program, 154
 States, as **agents of development**, 21-22, 149-151
Step by step switch, 79
Structural economic changes, 43,47,98,99
Subsidies, 63,65-66, 116, 118,120
Sufi Nazem, 84
Sustainable development, 97, 106
Switched multimegabit data service, 9,68,80

Technology transfer, 108
Telecommunications, as **leverage for development**, 4, 160, 164, 172
Telecommunications, needs for rural areas, 13
Telegraph, impact on rural areas, 62
TeleKansas, 120
Telephone Association of Maine, 169, 171
Telephone, impact on rural areas, 62
Telephone, rural access to, 68-69,81
Teleport, 68
Tennessee, 150
Terret, Charles, 159
Texas Tech University, 150
Toyota, 73, 160, 162
Triage, 162

Unbundling, 68
Underemployment, 93,96, 106
Unemployment, 35,41, 106
Unemployment rates, 41,43,49,50
Unionization, 159
Universities, role in development, 26-27, 154
University of Maine/Telecommunication System, 111, 129, 154, 172
urban areas, 59
 Urban places, defined by Bureau of the Census, 36
 Urbanized areas, defined by Bureau of the Census, 36
 Urbanized counties, defined by Economic Research Service, 38
 US West, 164, 165-166
 Utah, 121

 Vail, **Theodore**, 63
Venture capital, 99, 100
 Vermont, 120, 127
 Very small aperture terminals, 73-74

Vision, need for in development policy, 18-19, 152-155

Wal-Mart, 97

War on Poverty, 110

Washington State, 59, 107, 159, 166-169, 172

Washington State Department of Community Development, 169

Washington State University, 166, 169

Washington State Utilities and Transportation Commission, 168

Western Kentucky University, 161

White Swan, WA, 167

Wide area networks, 8,9,59,73,78,80

Working Group on Rural Development, 148

Yakima Indian Reservation, 167

Yakima Valley, WA, 166

Zuni, 16, 163

Zuni Middle School, 165