Regions *see* Canadian Industrial Innovation Centre/Waterloo; Canadian Space Agency—Procurement; National Advisory Board on Science and Technology—Membership; Training programs; Universities and colleges—Specializations

Reindeer *see* Wildlife

Relativity theory
Theoretical constructions, mathematics role, **29**:8

Remedial Action Programs *see* Water pollution—Great Lakes

Remote areas *see* Technological developments—Commercialization

Remote sensing
Geo-coded image correction system, MacDonald Dettwiler and Associates developments, **51**:5
Satellites, role, **26**:6
RADARSAT project, federal-provincial collaboration, **26**:9-10

Renewable energy
Research and development, **15**:26
Biomass energy, **15**:32
Expenditures, other countries, comparison, **16**:13, 16
Geothermal energy, sub-Cordillera, **15**:24
Government policies, **15**:22-4
Wind energy, California, government subsidies, **15**:23

Reports to House
First, ACOA/DIAND/DIST/WEDD, estimates, 1989-1990, main, **14**:4
Second, science and technology strategy, *Canada Must Compete*, **54**:1-31

Research and development
Academic community, information technology industry, relationship, **22**:30-1
Alberta, NRC presence, institute establishment, criteria, **60**:11, 34-6
Applied research
Community colleges and technical institutes role, **37**:34
Canadian Council of Technicians and Technologists position, **34**:33-5
Funding mechanism, **34**:37
Ottawa-Carleton Research Institute model, **34**:34-5, 37, 51-2
Defining, **34**:33-4
Funding, NSERC programs, Industrial Post-Doctoral Program, etc., **28**:7-8; **30**:7-8
Government laboratories, "blacksmith shops", Doyle remarks, **23**:24-6
Long-term, United States capacity, erosion, **19**:10
Technology-specific research centres, establishing, government role, **28**:7-8
See also Research and development—Pure research
Basic research *see* Research and development—Pure research
Capabilities, development, NRC role, **3**:5-6
Expenditures, **2**:19
Administration costs, ratio, **22**:12
Big science, percentage, NRC position, **7**:26
Canadian investment levels, Japan comparison, **42**:28-9
Contracts, regional distribution, Networks of Centres of Excellence Program role, etc., **17**:19-20, 22, 24

Research and development—*Cont.*
Expenditures—*Cont.*
Defence research and development, relationship, other countries, comparison, **21**:36-8
Economic sectors, Science Council of Canada study, **3**:23, 31
Granting councils, contributions, decline, **36**:8-9
Budgets, doubling, NABST recommendation, **50**:28
Gross expenditures, GDP/GNP percentages, targets, 2.5%, etc., **18**:15, 20-1; **24**:8; **27**:6-7; **43**:23, 33-4; **44**:10-1, 18-21, 29-31; **50**:26-30; **52**:18-9, 25-6; **57**:9-11; **58**:15-6
See also Granting councils—Funding
Military expenditures, transfers, proposals, **36**:17-8
Mulroney commitment, **2**:34; **3**:18, 28; **17**:16-7; **57**:10-1
Other countries, comparison, NABST report, **7**:16-8; **21**:8; **27**:6; 34:7; **36**:17; **61**:17-20
Private sector, **18**:15
Procurement policies, relationship, **2**:20; **21**:8, 13-4
Provinces, Ontario/Quebec comparison, **26**:18
Regional disparities, Atlantic provinces/Ontario, national average comparison, **32**:6-7; **43**:15-6
Space program expenditures, percentage, **26**:24
See also Industry—Competitiveness
Government departments, agencies
Contracting out to private sector, DSS procurement policies, other countries comparison, **52**:10-1, 17-8, 22
Co-ordinating, **50**:9, 12
Industry, Science and Technology Department role, **17**:29-30
Science and Technology Ministry of State role, **3**:17-8
United States Small Business Industrial Research Program, **52**:22-3
See also Research and development—Private sector
Government laboratories
Federal scientists, administrative positions, increase, **50**:15
Networks of Centres of Excellence Program funding, non-eligibility, **30**:28-9
Incentives, investment tax credit, administration, efficiency, **21**:8, 13; **52**:10, 32-4
International co-operation, Canada-Japan Complementary Fund, **44**:7
Funding, **9**:21
Science Council of Canada project, **9**:7; **40**:14
Study, report, release date, anticipating, **9**:15-6
Mega-projects, government funding, Canadian Federation of Biological Societies position, **50**:21-3
National Research Council institutes, creation, **60**:6
Policy, national, development
Colonial mentality, branch plant economy, effects, **18**:18-9
Integrated approach, education system/governments/private sector, Japan, EEC, models, **18**:23-4
Private sector role, **18**:11-2, 19-20; **25**:31-2
Private sector, small/medium businesses, communications with government departments, agencies, difficulties, **18**:12-3
Programs, administrative structure, private sector role, NABST, etc., 17:33; **19**:31-2
Public awareness, intelligence quotient, *Globe and Mail* article, **35**:8