

## LEGISLATIVE IMPACT SUMMARY

### INDUSTRY, COMMERCE, AND INTERNATIONAL SECURITY DIVISION

#### Energy, Transportation and Infrastructure Program

##### *The Fusion Energy Program: The Role of TPX and Alternate Concepts*

Requested by: Committee on Science, Space, and Technology

Impacts:

- OTA provided input for the drafting of H.R. 4553, several proposals of which reemerged in H.R. 4908 (The Hydrogen, Fusion and High Energy Nuclear Physics Research Act of 1994). OTA also provided input for H.R. 4564 and S. 646, and for the FY95 Energy and Water Appropriations Bills.
- In the 104th, OTA provided information relevant to hearings for FY96 DoE fusion budget request.
- OTA testified before House Committee on Science, Subcommittee on Energy and Environment.

#### REPORTS ON ENERGY EFFICIENCY

Requested by: Senate Committees on Energy and Natural Resources and Governmental Affairs  
House Committees on Government Operations and Energy and Commerce

##### *Building Energy Efficiency*

Impacts:

- The report influenced P.L. 102-486 (The Energy Policy Act of 1992). OTA assisted the Energy and Commerce Committee on understanding the implications of the Administration's Climate Change Action Plan.
- In the 104th, OTA is assisting House Science in determining priorities for part of DoE's budget, and is assisting in preparing DoE Authorization legislation.

##### *Industrial Energy Efficiency*

Impacts:

- OTA testified before Senate Committee on Energy and Natural Resources

##### *Energy Efficiency: Challenges and Opportunities for Electric Utilities*

Impacts:

- OTA advised the Congress during the consideration of the Energy Policy Act of 1992 (P.L. 102-486). The report was praised by Members on both sides of the aisle for its timeliness for consideration of the Energy Policy Act. OTA advised the House Science Committee and the House Energy and Commerce Committee on various utility issues, including a California proposal.

##### *Federal Energy Efficiency: Government by Good Example?*

Impacts:

- The report influenced development of S. 1040 (The Government Energy Efficiency Act of 1991), S. 1220, S. 2166 and H.R. 776.
- This report affected at least one piece of passed legislation: The Energy Policy Act of 1992 (P.L. 102-486).
- OTA testified before Committees on Governmental Affairs and Government Operations.
- OTA prepared cost savings estimates (from fluorescent bulbs) for Governmental Affairs; these were printed in the Congressional Record.

##### *Energy Efficiency in Federal Facilities: Update on Funding and Potential Savings*

Requested by: House Committee on the Budget

Impact:

- The report was used to assist in FY95 budget reviews

### *Power Sources for Remote Arctic Applications*

Requested by: Senators Stevens and Murkowski

Impact:

- As background material for defense appropriations in the 103rd Congress.

### *Aging Nuclear Power Plants: Managing Plant Life and Decommissioning*

Requested by: Senate Committee on Governmental Affairs; House Committee on Energy and Commerce

Impact:

- In the 104th Congress; discussions with House Energy and Commerce on spent fuel legislation.

### *Retiring Old Cars: Programs to Save Gasoline and Reduce Emissions*

Requested: House Committee on Energy and Commerce

Impact:

- Influenced the withdrawal of legislation.

### *Improving Automobile Fuel Economy: New Standards, New Approaches*

Requested by: Senate Committee on Energy and Natural Resources

Impact:

- Senate Energy and Natural Resources introduced legislation based on OTA findings. OTA testified 6 times. OTA reviewed a number of legislative proposals.

### **Fueling Reform: Energy Technologies for the Former East Bloc**

#### *Energy Efficiency Technologies for Central and Eastern Europe (Interim Report)*

Requested by: Senate Committees on Environment and Public Works and Foreign Relations

House Committees on Foreign Affairs, Energy and Commerce and Banking, Housing and Urban Affairs

Impact:

- Interactions with Committees had relevance for foreign aid hearings on P.L. 103-87.

### *Potential Environmental Impacts of Bioenergy Crop Production*

Requested by: House Committee on Energy and Commerce

Impact:

- Helped on hearing. Helped Committee staff who were writing a position paper.

### *U.S. Oil Import Vulnerability: the Technical Replacement Capacity*

Requested by: Senate Committee on Energy and Natural Resources; House Committee on Energy and Commerce

Impact:

- Influenced S. 1220 (The National Energy Security Act), S. 2166 (a revised comprehensive energy bill), H.R. 776 and related bills, and S. 1018 (The Energy Goals Act of 1991, later incorporated into EPACT). Influenced the Energy Policy Act of 1992 (P.L. 102-486—[EPACT]). OTA testified several times.

### *Green Products by Design: Choices for a Cleaner Environment*

Requested by: House Committees on Science, Space and Technology and Energy and Commerce

Impact:

- Contributed to H.R. 3870 (The Environmental Technologies Act of 1994). OTA commented on S. 405, which was incorporated into the Senate companion bill. OTA also delivered a memo used as background in the reauthorization of RCRA. OTA testified before House Science.

### *Federal Research and Technology for Aviation*

Requested by: House Committees on Science, Space and Technology, Public Works and Transportation, and Government Operations

*Impact:*

- Report used in preparation for hearings in 104th Congress by House Transportation and Infrastructure. OTA testified in 103rd before Senate Appropriations.

### *Aircraft Evacuation Testing: Research and Technology Issues*

Requested by: House Committee on Government Operations

*Impact:*

- Provided a basis for not pursuing legislation establishing the 60 second evacuation rule.

### *Access to Over-the-Road Buses for Persons with Disabilities*

Requested by: Mandated by P.L. 101-336 (Americans with Disabilities Act)

*Impact:*

- The mandate required OTA to provide information that the DoT could use in developing regulations. DoT has used the report in developing regulations.

### *Renewable Energy Technologies (scheduled for release Spring 1995)*

Requested by: House Committee on Energy and Commerce

*Impact:*

- Background material to House Energy and Commerce in 103rd as they prepared H.R. 1479; Background material to House Science in 104th for hearings on H.R. 655.

## **Industry, Telecommunications and Commerce Program**

### *Advanced Network Technology*

Requested by: Senate Commerce, Science and Transportation Committee and House Science, Space and Technology Committee

*Impact:*

- The first two BPs in the series of which this was the third, *High Performance Computing & Networking for Science and Seeking Solutions: High Performance Computing for Science* were used by the Committees in debate leading to the High Performance Act of 1991 (P.L. 102-194).

### *After the Cold War: Living with Lower Defense Spending*

Requested by: Senate Committees on Armed Services, Commerce, Science and Transportation, Foreign Relations, and Labor and Human Resources; House Committee on Government Operations

*Impacts:*

- Extensive use by both the Republican and Democratic Defense Conversion Task Forces, and wide bipartisan and bicameral use in shaping many parts of the defense conversion legislation in the Defense Authorization and Appropriations Acts of 1993, 1994, and 1995 (H.R. 5006 and S. 3114; H.R. 2401 and S. 1298; H.R. 4301 and S. 2182).
- OTA testified before the Senate Commerce Committee, twice before the House Armed Services Committee, the Joint Economic Committee, and twice before the House Banking Committee.
- The Northeast-Midwest Congressional Coalition task force on defense downsizing relied extensively on the OTA report.

- Options of the report that were reflected in legislation ranged from those to expedite the transfer to the private sector of closed military bases, to assisting dislocated defense workers find other jobs, to easing the transition on defense impacted communities, to helping small, impacted defense contractors find ways to develop commercial markets.
- OTA also received testimonial letters from Members. See, e.g. letters from Sen. McCain: "After the Cold War is a superb study and the standard by which all similar efforts will be judged....Thank you for your fine service to the Congress and the American public."
- OTA also met with Members on both sides of the aisle to help them with defense conversion issues in their own communities.

### *Finding a Balance: Computer Software, Intellectual Property, and the Challenge of Technological Change*

Requested by: Senate Committee on the Judiciary

Impact:

- Used by Senate Judiciary Committee in preparing hearings on and considering legislation on oversight and operations of the PTO and on software piracy. Sen. Hatch wrote that he and the Patents Subcommittee would "find the report to be a valuable resource in the years ahead."

### *U.S. Mexico Trade: Pulling Together or Pulling Apart?*

Requested by: Senate Committee on Labor and Human Resources; House Committee on Education and Labor

Impacts:

- The report's analysis of the cost of building a car in the U.S. versus producing a car in Mexico were quoted a number of times on the Floor: the report found that, factoring in all the relevant costs, it was often cheaper to make the car in the U.S.
- OTA testified before the House Government Operations Subcommittee on Employment, Housing and Aviation on the impact of Mexico's agricultural policies on a NAFTA and before the Senate Labor and Human Resources Committee

### *Defense Conversion: Redirecting R & D*

Requested by: Senate Committees on Armed Services, Commerce, Science and Transportation, Foreign Relations and Labor and Human Resources; House Committee on Government Operations

Impact:

- OTA testified before House SST Subcommittee on Energy on H.R. 1432. H.R. 1432 related several of the report's options to improve the CRADA process, and to focus the technology transfer efforts of the DoE labs on mission-oriented areas. S. 473 also reflected the report's options on improving the CRADA process, and on avoiding duplication between DoD and DoE

### *Accessibility and Integrity of Networked Information Collections*

Requested by: Mandated by Section 2385 of the Rural Economic Development Act (P.L. 101-624)

Impact:

- This report was used as a resource at a 1993 Library of Congress conference on delivering electronic information co-chaired by the Vice President, and number Mr. Gingrich among the participants.

### *Electronic Enterprises: Networking for the Future*

Requested by: Senate Committee on Commerce, Science and Transportation  
House Committee on Science, Space and Technology

Impact:

- OTA testified before the House SST Subcommittee on Technology, Environment and Aviation on aspects related to House and Senate telecommunications legislation.

## **U.S. Telecommunications in European Markets**

### *U.S. Banks and International Telecommunications (Interim Report)*

Requested by: Senate Committee on Finance; House Committees on Foreign Affairs and Banking, Housing and Urban Development

*Impact:*

- Used by House Foreign Affairs in considering Executive branch proposals for restructuring the State Department's Bureau of International Communications and Information Policy, and in considering GATT telecomm issues.

## **Industry, Technology and the Environment: Competitive Challenges and Business Opportunities**

### *Development Assistance, Export Promotion, and Environmental Technology (Interim Product)*

### *Trade and Environment: Conflicts and Opportunities (Interim Report)*

Requested by: Senate Committee on Finance; House Committees on Foreign Affairs and Energy and Commerce

*Impacts:*

- The report influenced three pieces of legislation: H.R. 3813 (Environmental Export Enhancement Act); S. 2093; and S. 978. With respect to H.R. 3813, Reps. Gilman and Roth cited the report's influence on the floor of the House. With respect to S. 2093, the Senate Committee on Environment and Public Works quoted and paraphrased from the report in developing rationales for provisions of the bill on water pollution prevention. With respect to S. 978, floor debate in the Senate cited findings from the report. The Project Director testified twice before subcommittees of House Science, Technology and Space Committee.
- Sen. Moynihan cited the OTA reports in asking the ITC to collect and analyze trade data pertinent to U.S. environmental firms.
- *Trade and Environment* used by the bipartisan Congressional delegation to the June 1992 environment and development conference.

## **Performance Standards for the Food Stamp Employment and Training Program**

Requested by: Mandated by the Hunger Prevention Act of 1988 (P.L. 100-435)

*Impact:*

- S. 2633, introduced by Sen. Dole in April 1992, drew from the findings of the OTA report and of the National Commission for Employment Policy to propose a comprehensive merger and streamlining of the Federal-State employment and training system.

## **Making Government Work: Electronic Delivery of Federal Services**

Requested by: Senate Committees on Governmental Affairs and Agriculture, Forestry and Nutrition

*Impact:*

- The report influenced S. 1646 (the Food Stamp Fraud Reduction Act of 1993) and S. 560 (Paperwork Reduction Act of 1994). The report was the subject of two hearings, one by the Senate Committee on Governmental Affairs Subcommittee on Government Regulation and Information, and one by the Senate Committee on Agriculture, Forestry, and Nutrition. S. 1646 referred explicitly to the OTA report.

## **Multinationals and the U.S. Technology Base**

Requested by: Senate Committees on Commerce, Science and Transportation and Banking, Housing and Urban Affairs

*Impact:*

- The Senate Commerce Committee used the report and consulted with the Project Director in drafting Sec. 105 of the Telecommunications Competition and Deregulation Act of 1995 (Sen. Pressler). The Committee is also considering legislation to harmonize conflicting language affecting the participation of foreign firms in government programs, and has asked OTA for further analysis, now almost completed.

### *Information Security and Privacy in Network Environments*

Requested by: Senate Committee on Governmental Affairs

Impact:

- The report was used in developing H.R. 5199 (Encryption Standards and Procedures Act of 1994). At the release of the report, Sen. Roth said that the report "should serve as the basis for hearings and legislation" and requested assistance (now partially completed) from OTA to help prepare for legislation in the 104th Congress. Rep. Oxley asked OTA to examine the estimates of the costs to implement the Communications Assistance for Law Enforcement Act.

### *Contributions of the DoE Weapons Laboratories and NIST to Semiconductor Technology*

Requested by: Senator Hollings on behalf of the Senate Committee on Appropriations

Impact:

- On OTA's identification of strength in the National Labs on advanced lithography, and the weakness of the U.S. lithography industry, Congress increased appropriations for basic research in advanced lithography.

### *The Social Security Administration's Decentralized Computer Strategy: Issues and Options*

Requested by: House Committee on Appropriations

Impact:

- Report used by House Committee on Appropriations to make decisions on FY94 rescissions and reductions in the FY95 appropriations for the SSA automation investment program. The House Committee report cited the guidance provided by OTA.

### *Global Standards: Building Blocks for the Future*

Requested by: House Committee on Space, Science, and Technology

Impact:

- Cited in H.R. 820 and its companion bill S. 4, both of which, responding to OTA's findings and options, required NIST to develop a new standards setting strategy. OTA testified before the Subcommittee on Technology and Competitiveness. House SST, based on suggestions in the report, initiated a dialogue between NIST and key members of the standards setting community.

### *The 1992 World Administrative Radio Conference: Technology and Policy Implications*

Requested by: House Committee on Energy and Commerce; Senate Committee on Commerce, Science, and Transportation

Impact:

- Anticipated that the report will be used to inform Senate debate on the Final Acts of the 1992 World Administrative Radio Conference (WARC-92), a treaty not yet sent to the Senate. House Foreign Affairs used the report to prepare for the 1994 International Telecommunication Union's Plenipotentiary Conference.

### *Information Systems Related to Technology Transfer: A Report on Federal Technology Transfer in the United States*

Requested by: House Committee on Banking, Finance and Urban Affairs

Impact:

- The report's analysis led to changes in H.R. 3550, replacing a large new government program with improvements in existing programs. Key provisions of H.R. 3550 were piggybacked onto Title III of H.R. 2442. On the Floor of the House, Mr. Roth (R-WI) quoted OTA testimony before the Subcommittee on Economic Growth and Credit Formation. H.R. 80, the revised version of H.R. 3550 was introduced into the 104th Congress.

### *Protecting Privacy in Computerized Medical Information*

Requested by: House Committee on Government Operations

#### *Impact:*

- Rep. Condit cited the OTA report in introducing H.R. 435 (The Fair Health Information Practices Act of 1995). OTA testified at a hearing to release the report. Also, OTA participated in a Roundtable Discussion on an improved employment verification system, with Senators Simpson and Kennedy and Rep. Barney Frank, as reported in a Staff Report for the Subcommittee on Immigration and Refugee Affairs.

### **International Security and Space Program**

#### *Redesigning Defense: Planning the Transition to the Future U.S. Defense Industrial Base*

Requested by: Senate Committees on Armed Services; Commerce, Science, and Transportation; Foreign Affairs; and Labor and Human Resources; House Committee on Government Operations.

#### *Impacts:*

- Findings used in Senate Armed Services Committee, Subcommittee on Defense Industry and Technology hearings.
- OTA testified on report findings to the House Armed Services Committee, Structure of the U.S. Defense Industrial Base Panel.
- OTA's description of negative effects of current acquisition laws helped to form the basis of the Federal Acquisition Streamlining Act of 1994.

#### *Building Future Security: Strategies for Restructuring the Defense Technology and Industrial Base*

Requested by: Senate Committees on Armed Services; Commerce, Science, and Transportation; Foreign Affairs; and Labor and Human Resources; House Committee on Government Operations.

#### *Impacts:*

- Report findings and subsequent OTA testimony were used in the Senate report language of the National Defense Authorization Act of 1993 and were used as a basis for the Federal Acquisition Streamlining Act of 1994.
- Report findings related to DOD depot level maintenance led to legislation establishing a task force to evaluate depots.

#### *Assessing the Potential for Civil-Military Integration: Technologies, Processes, and Practices*

Requested by: Senate Committee on Armed Services; House Committee on Armed Services

#### *Impact:*

- In the 104th Congress, report findings are being used by the staff of the House Committee on National Security to examine the policies toward dual-use technologies, and by staff of the Senate Armed Services Committee to consider further acquisition reform.

#### *Proliferation of Weapons of Mass Destruction: Assessing the Risks*

Requested by: Senate Committees on Foreign Relations; Governmental Affairs Committee; Banking, Housing and Urban Affairs

House Committees on Foreign Affairs; Armed Services and Permanent Select Committee on Intelligence

#### *Impact:*

- According to the chairman of the Senate Foreign Relations Committee, OTA's report was "the single best general reference document on the subject of weapons proliferation;" the chairman of the Senate Governmental Affairs Committee described it as "a grand overview of the problem" and "an invaluable basic reference source on the Number One security threat facing world order today."

### *The Chemical Weapons Convention: Effects on the U.S. Chemical Industry*

Requested by: Senate Committees on Foreign Relations and Governmental Affairs

House Committees on Foreign Affairs; Armed Services and Permanent Select Committee on Intelligence

#### *Impact:*

- This background paper was cited in report of the Select Committee on Intelligence of the United States Senate, Report 103-390.

### *Technologies Underlying Weapons of Mass Destruction*

Requested by: Senate Committees on Foreign Relations and Governmental Affairs

House Committees on Foreign Affairs; Armed Services and Permanent Select Committee on Intelligence

#### *Impact:*

- This background paper was cited in report of the Select Committee on Intelligence of the United States Senate, Report 103-390.

### *Export Controls and Nonproliferation Policy*

Requested by: Senate Committees on Foreign Relations and Governmental Affairs

House Committees on Foreign Affairs; Armed Services and Permanent Select Committee on Intelligence

#### *Impacts:*

- This report is being used in the 104th Congress by staff of the Subcommittee on International Finance and Monetary Policy of the Senate Banking Committee to organize its preparations for considering the reauthorization of the Export Administration Act.
- In the 103rd Congress, OTA provided testimony before the Senate Banking Committee during its consideration of the reauthorization of the Export Administration Act (Report 103-288).

### *Proliferation and the Former Soviet Union*

Requested by: Senate Committees on Foreign Relations and Governmental Affairs

House Committees on Foreign Affairs; Armed Services and Permanent Select Committee on Intelligence

#### *Impacts:*

- This report is being used in the 104th by the Permanent Subcommittee on Investigations of the Senate Committee on Governmental Affairs to help plan the Committee's investigation of Russian organized crime, particularly in relation to the increased levels of smuggling of nuclear materials.
- In the 103rd Congress, Rep. Weldon (R-PA) quoted this report extensively in counterproliferation hearings held for the National Defense Authorization Act of FY 1996.
- In the 103rd Congress, the House Armed Services Committee used this report to urge that the defense appropriations conference committee to provide full funding for Nunn-Lugar programs.

### *Nuclear Safeguards and the International Atomic Energy Agency*

Requested by: Senate Committees on Foreign Relations and Governmental Affairs

House Committees on Foreign Affairs; Armed Services and Permanent Select Committee on Intelligence

#### *Impact:*

- In the 104th Congress, the staff of the House National Security Committee are using these report findings as they prepare the National Defense Authorization Act of FY 1996.

### *Civilian Satellite Remote Sensing: A Strategic Approach*

Requested by: Senate Appropriations Subcommittee on VA, HUD and Independent Agencies; Committees on Commerce, Science, and Transportation and Armed Services

House Appropriations Subcommittee on VA, HUD and Independent Agencies; House Committee on Science, Space and Technology



*Impacts:*

- In the 104th Congress, OTA staff helped staff of the House Science Committee to set up hearings on NASA's Mission to Planet Earth for Chairman Walker.
- OTA staff testified on the findings of the series of reports on the Earth Observation Systems for NASA oversight hearings in March 1995.

*The Future of Remote Sensing from Space: Civilian Satellite Systems and Applications*

Requested by: Senate Appropriations Subcommittee on VA, HUD and Independent Agencies; Committees on Commerce, Science, and Transportation and Armed Services Committee  
House Appropriations Subcommittee on VA, HUD and Independent Agencies; House Committee on Science, Space and Technology

*Impact:*

- In the 102nd Congress, the OTA testified on its findings to the House Science, Space and Technology Committee's hearing on NASA's Mission to Planet Earth.

*Remotely Sensed Data from Space: Distribution, Pricing, and Applications*

Requested by: House Committee on Science, Space and Technology

*Impact:*

- This report is the result of an OTA workshop, held at the request of the House Committee on Science, Space and Technology to look at the different approaches to pricing. These findings were the basis of common language between the Senate and House versions of legislation for P.L. 102-555 on pricing Landsat information.

*Technology Against Terrorism: The Federal Effort*

Requested by: Senate Committees on Governmental Affairs; Foreign Relations; Commerce, Science and Transportation; and Select Committee on Intelligence

*Impacts:*

- Report findings were used to stabilize funding for counterterrorist research for the interagency Technical Support Working Group in the 102nd and 103rd Congress.
- Report findings showed the limitations of one explosive detective device and the promise of CAT scanning, which shifted funding priorities.

*Technology Against Terrorism: Structuring Security*

Requested by: Senate Committees on Governmental Affairs; Foreign Relations; Commerce, Science and Transportation; and Select Committee on Intelligence

*Impacts:*

- Committee report language of the Aviation Security Act of 1990 created a Science Advisory Panel and urged that OTA be represented on this panel, and the Project Director has been an invited and participatory observer for the past four years.
- In the 103rd Congress, OTA testified to the House Committee on Science, Space and Technology on its reports and recent FAA actions to improve aviation security.

*Police Body Armor Standards And Testing*

Requested by: Senate Committee on Judiciary

*Impact:*

- In the 102nd Congress, OTA's report findings concluded that passage of H.R. 332 would not resolve the police body armor controversy and might exacerbate it. The House Committee on Judiciary tabled the bill.

## HEALTH, EDUCATION, AND THE ENVIRONMENT DIVISION

### Education and Human Resources Program

#### *Biomedical Ethics in U.S. Public Policy*

Requested by: Senators Hatfield, DeConcini, and Kennedy

Impacts:

- Hatfield called attention to the report when he introduced S.1042.
- Kennedy released report at hearing of the Committee on Labor & Human Resources; Hatfield, and OTA, testified.
- Hatfield and Kennedy developed new legislation (not yet intro.) to establish a national bioethics commission; legislation draws on report options and elements.
- Hatfield cited report in letter to Secretary of Commerce re: biotechnology patents.

#### *The Human Genome Project and Patenting DNA Sequences*

Requested by: Senators Hatfield, DeConcini, and Kennedy

Impacts:

- Hatfield cited report on patents in letter to Secretary of Commerce re: biotechnology patents
- Based on this report and a 1992 OTA report, "Cystic Fibrosis and DNA Tests," OTA testified before Senate Committee on Governmental Affairs

#### *Policy Issues in the Prevention and Treatment of Osteoporosis (series in progress)*

Requested by: Senate Special Committee on Aging; Senators Grassley and Glenn; House Select Committee on Aging; Reps. Snowe and Gilman; former Reps. Donnelly, Downey, and Saiki

Impacts:

- Sen. Grassley's office asked OTA to comment on estimates of federal funding for osteoporosis research
- Rep. Snowe's office asked OTA to comment on proposals for accelerated review of osteoporosis drugs
- OTA provided information on osteoporosis for a publication of the House Select Committee on Aging, Subcommittee on Housing and Consumer Interests
- OTA provided informal briefings for Sen. Grassley's and Glenn's staff

#### *Teachers and Technology: Making the Connection*

Requested by: Senate Committee on Labor and Human Resources, Senate Appropriations Committee (Sen. Cochran), and House Committee on Education and Labor (now House Committee on Economic and Educational Opportunities)

Impacts:

- Sen. Cochran used report for hearing on educational technology appropriations
- OTA testified at hearing.
- Sen. Mosely-Braun and Sen. Kennedy both cited report at separate hearings on the Hill the day of release (4-4-95)

#### *Understanding Estimates of Health Reform (series)*

Requested by: Sen. Ted Stevens, member, Senate Appropriations Committee, and the Technology Assessment Board. Sen. Durenberger requested background paper, "Managed Care and Competitive Health Care Markets: The Twin Cities Experience"

Impact:

- OTA's three papers in this series (published in May, July, and September 1994) were used as background information to the health care reform debate

*Cystic Fibrosis and DNA Tests: Implications of Carrier Screening; Genetic Counseling and Cystic Fibrosis Carrier Screening: Results of a Survey; Genetic Tests and Health Insurance: Results of a Survey*

Requested by: House Energy and Commerce Committee; House Energy Subcommittee, Committee on Science, Space and Technology; Rep. David Obey

*Impacts:*

- Rep. Obey inserted report language into "Departments of Labor, Health and Human Services, Education, and Related Agencies Appropriations Bill," based on this report and on OTA's 1990 reports "Genetic Witness: Forensic Uses of DNA Tests," and "Genetic Monitoring and Screening in the Workplace."
- Based on this report and the OTA report, "The Human Genome Project," OTA testified before Senate Committee on Governmental Affairs.
- Committee on Science, Space and Technology held hearing on the Human Genome Project; committee staff used full report and two background papers to prepare for hearing.
- Rep. Conyers introduced H.R. 2045 (The Human Genome Privacy Act) based in part on information gathered during early developments in these reports and the previously mentioned 1990 OTA reports.
- These reports (and others from OTA) provided background material to develop report language on genetic information privacy that accompanied the administration's health care bill.

*Technologies for Understanding and Preventing Substance Abuse and Addiction; Biological Components of Substance Abuse and Addiction*

Requested by: House Committee on Government Operations (now House Committee on Government Reform and Oversight); Senate Labor and Human Resources Committee; Senate Governmental Affairs Committee

*Impact:*

- Minority staff of the House Committee on Government Reform and Oversight used the report to draft a memo to Democratic committee staff in preparation for a committee hearing on drug policy in March 1995.

*Wage Record Information System*

Requested by: Congress, Section 408 of the 1990 Amendments to the Carl D. Perkins Vocational Education Act.

*Impact:*

- Report sent to the Senate Committee on Labor and Human Resources and the House Committee on Education and Labor for the planned submission (May 1994) of the Bureau of Labor Statistics report on development of a national wage record data file.

## **Environment Program**

*Research Health Risks*

Requested by: House Science Committee

*Impacts:*

- Used for writing title III of H.R. 9, the Job Creation and Wage Enhancement Act, which was made into H.R. 1022, the Risk Assessment and Cost Benefit Analysis Act.
- In the 103rd, the bill was used to develop language in H.R. 4306, the Risk Assessment Improvement Act, and H.R. 310, the Risk Communication Act.

*Harmful Non Indigenous Species*

Requested by: House Energy and Commerce Committee

*Impact:*

- Used by committee to reauthorize the Nonindigenous Aquatic Nuisance Prevention and Control Act. Has also been utilized during reauthorization of the Federal Noxious Weed Act.

### *Aquaculture*

Requested by: House Committees on Agriculture; Merchant Marine and Fisheries

Impact:

- Used by Committees to develop H.R. 4853, the Marine Aquaculture Enhancement Act of 1994, and H.R. 4854, the National Aquaculture Development Act of 1994.

### *Disposal of Chemical Weapons*

Requested by: Senate Armed Services

Impact:

- Report was used by Committee to develop legislation to create a mechanism to explore alternative technologies for disposal. Language was incorporated in Defense Authorization Act of 1992 which required Army to seek alternatives to incineration.

### *Advanced Liquid Metal Reactor*

Requested by: Senate Energy Committee

Impact:

- Citing OTA report, the FY1995 Energy and Water Appropriations bill discontinued funds for ALMR.

### *Biologically Based Pest Controls*

Requested by: House Agriculture

Impact:

- Study is being utilized for relevant portions for the 1995 Farm bill, and has been told it could be utilized in considerations of FIFRA, the Federal Insecticide, Fungicide and Rodenticide Act reforms scheduled for later in the Congress.

### *Dismantling Nuclear Bombs and Managing Nuclear Materials & Cleanup of Nuclear Complex*

Requested by: Senate Governmental Affairs

Impacts:

- Was used by Senate Energy Committee to force DOE to set up Advisory Committee. Committee deferred action to implement reports suggestions.
- Complex Cleanup report led to language in the National Defense Authorization Act which required DOE to prepare a report to Congress to upgrade citizen participation and input into its plans for cleanup at Hanford, Oak Ridge, etc.

## **Health Program**

### *The Biology of Mental Disorders: New Developments in Neuroscience*

Requested by: Senate Committee on Labor and Human Resources

Impact:

- OTA testified at and the report was used to prepare for hearings held by the Senate Labor and Human Relations committee in 102nd & 103rd Congress.

### *Defensive Medicine and Medical Malpractice Reform*

Requested by: House Committee on Ways and Means; Senate Committee on Labor and Human Resources

Impacts:

- OTA testified and the report was used to prepare for hearings by Senate Finance Committee.
- Report cited repeatedly by Senator Kyl and Senator Kennedy.

### *Pharmaceutical R&D: Costs, Risks and Rewards*

Requested by: House Committee on Energy and Commerce and the Subcommittee on Health and Energy; Senate Committee on the Judiciary and the Subcommittee on Antitrust, Monopolies & Business Rights

#### *Impact:*

- OTA testified at and the report was used to prepare for hearings held by the Senate Finance Committee, House Ways and Means Committee, the Senate Aging Committee, and The House Small Business Committee; it served as the basis for legislation to amend the orphan drug laws.

### *Home Drug Infusion Therapy Under Medicare*

Requested by: Senate Finance Committee

#### *Impact:*

- OTA testified before the Subcommittee on Oversight and Investigations, House Committee on Energy and Commerce; report served as basis for HR 4128 and HR 345 in the 103rd.

### *Evaluation of the Oregon Medicaid Proposal*

Requested by: House Committee on Energy and Commerce and the Subcommittee on Health and Environment; Senate Commerce, Science and Transportation and Subcommittee on Science, Technology and Space

#### *Impact:*

- OTA testified on report at hearings held by House Committee on the Budget and one held by House Committee on Energy and Commerce. The Committee on Energy and Commerce decided not to block the wavier.

### *Identifying Health Technologies That Work: Searching for Evidence*

Requested by: Senate Labor and Human Resources

#### *Impact:*

- Report formed the basis for bill introduced by Rep. Wyden in 103rd.

### *The Continuing Challenge of Tuberculosis*

Requested by: Subcommittee on Health and the Environment of House Energy and Commerce Committee; Subcommittee on Intergovernmental Relations and Human Resources of the House government Operations; Senate Committee on Labor and Human Resources

#### *Impact:*

- Requesting Committees held a press conference on report to draw media attention to the conclusions.

### *Protecting Privacy in Computerized Medical Information*

Requested by: House Committee on Government Affairs Subcommittee on Information, Justice, Transportation and Agriculture

#### *Impact:*

- OTA testified before the Government Affairs Subcommittee on Information, Justice, Transportation and Agriculture. The report was used as basis for legislation introduced by Rep. Condit - Fair Health Information Practices in 103rd; reintroduced in 104th.

### *Difficult-to-Reuse Needles for the Prevention of HIV Infection Among Injecting Drug Users*

Requested by: Subcommittee on Regulation, Business Opportunities, and Energy of the House Committee on Small Business

#### *Impact:*

- Conclusions in report led to the Subcommittee decision to abandon proposed legislation.