
LIST OF WTEC REPORTS AND TABLES OF CITATIONS

Table B.1
WTEC Reports

Program	Report
JTECH	Panel Report on Computer Science in Japan (12/84) PB85-216760
JTECH	Panel Report on Opto- and Microelectronics (5/85) PB85-242402
JTECH	Panel Report on Mechatronics in Japan (6/85) PB85-249019
JTECH	Panel Report on Biotechnology in Japan (5/86) PB85-249241
JTECH	Panel Report on Telecommunications Technology in Japan (5/86) PB86-202330/XAB
JTECH	Panel Report on Advanced Materials (5/86) PB86-229929/XAB
JTECH	Panel Report on Advanced Computing in Japan (12/87) PB88-153572/XAB
JTECH	Panel Report on CIM and CAD for the Semiconductor Industry in Japan (12/88) PB89-138259/XAB
JTECH	Panel Report on the Japanese Exploratory Research for Advanced Technology (ERATO) Program (12/88) PB89-133946/XAB
JTECH	Panel Report on Advanced Sensors in Japan (1/89) PB89-158760/XAB
JTEC	Panel Report on High Temperature Superconductivity in Japan (11/89) PB90-123126
JTEC	Panel Report on Space Propulsion in Japan (8/90) PB90-215732
JTEC	Panel Report on Nuclear Power in Japan (10/90) PB90-215724
JTEC	Panel Report on Advanced Computing in Japan (10/90) PB90-215765
JTEC	Panel Report on Space Robotics in Japan (1/91) PB91-100040
JTEC	Panel Report on High Definition Systems in Japan (2/91) PB91-100032
JTEC	Panel Report on Advanced Composites in Japan (3/91) PB90-215740
JTEC	Panel Report on Construction Technologies in Japan (6/91) PB91 100057
JTEC	Program Summary (9/91) PB92-119429
JTEC	Panel Report on X-Ray Lithography in Japan (10/91) PB92-100205
WTEC	Panel Report on European Nuclear Instrumentation and Controls (12/91) PB92-100197
JTEC	Panel Report on Machine Translation in Japan (1/92) PB92-100239
JTEC	Panel Report on Database Use and Technology in Japan (4/92) PB92-100221
JTEC	Panel Report on Bioprocess Engineering in Japan (5/92) PB92-100213
JTEC	Panel Report on Display Technologies in Japan (6/92) PB92-100247
JTEC	Panel Report on Material Handling Technologies in Japan (2/93)PB93-128197

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Program	Report
JTEC	Panel Report on Separation Technology in Japan (3/93) PB93-159564
JTEC	Panel Report on Knowledge-Based Systems in Japan (5/93) PB93-170124
NASA/ NSF	Panel Report on Satellite Communications Systems & Technology (7/93): Executive Summary PB93-231116 Vol. I. Analytical Chapters PB93-209815 Vol. II. Site Reports PB94-100187
WTEC	Monograph on Instrumentation, Control & Safety Systems of Canadian Nuclear Facilities (7/93) PB93-218295
JTEC/ WTEC	Annual Report and Program Summary 1993/94(3/94) PB94-155702
JTEC	Panel Report on Advanced Manufacturing Technology for Polymer Composite Structures in Japan (4/94) PB94-161403
ITRI	Benchmark Technologies Abroad: Findings from 40 Assessments, 1984-94 (4/94) PB94-136637
WTEC	Panel Report on Research Submersibles and Undersea Technologies (6/94) PB94-184843
JTEC	Panel Report on Microelectromechanical Systems in Japan (9/94) PB95-100244
WTEC	Panel Report on Display technologies in Russia, Ukraine, and Belarus (12/94) PB95-144390
JTEC	Panel Report on Electronic Manufacturing and Packaging in Japan (2/95) PB95-188116
JTEC	Monograph on Biodegradable Polymers and Plastics in Japan (3/95) PB95-199071
JTEC	Panel Report on Optoelectronics in Japan and the United States (2/96) PB96-152202
JTEC	Panel Report on Human-Computer Interaction Technologies in Japan (3/96) PB96-157490
WTEC	Panel Report on Submersibles and Marine Technologies in Russia's Far East and Siberia (8/96) PB96-199526
JTEC	Panel Report on Japan's ERATO and PRESTO Basic Research Programs (9/96) PB96-199591
JTEC/ WTEC	Panel Report on Rapid Prototyping in Europe and Japan: Vol. I, Analytical Chapters (3/97) PB97-162564 Vol. II, Site Reports (9/96) PB96-199583
WTEC	Panel Report on Advanced Casting Technologies in Japan and Europe 3/97) PB97-156160
WTEC	Panel Report on Electronics Manufacturing in the Pacific Rim (5/97) PB97-167076
WTEC	Panel Report on Power Applications of Superconductivity in Japan and Germany (10/97) PB98-103161
WTEC	Workshop Report on R&D Status and Trends in Nanoparticles, Nanostructured Materials, and Nanodevices in the United States (1/98) PB98-117914
WTEC	Panel Report on Electronic Applications of Superconductivity in Japan (7/98) PB98-150139
WTEC	Monograph on Use of Composite Materials in Civil Infrastructure in Japan (8/98) PB98-158215

Table B.2
JTEC Reports Cited in Industry Literature

Publication	Issue	Article	Subject
<i>Computerworld</i>	04/29/91 p. 101	"Learn More About Japanese Technology"	Adv. computing in Japan
<i>NTIS Foreign Technology Newsletter</i>	01/01/91 Vol. 91, No. 1	"New Report: JTEC Panel Report on Advanced Computing in Japan"	Adv. computing in Japan
<i>Advanced Materials & Processes</i>	08/93 Vol. 144, pp. 26-29	Vistasp M. Karbhari, and Diane S. Kukich "Polymer Composites Technology in Japan"	Adv. manuf. tech. for polymer composite structures in Japan
<i>Composites & Adhesives Newsletter</i>	06/93 Vol. 9, No. 3	"JTEC Announces Results of Japan Composites Processing Study"	Adv. manuf. tech. for polymer composite structures in Japan
<i>New Technology Week</i>	02/22/93 Vol. 7, No. 8	"Japan Reaches Parity in the Manufacture of Advanced Polymers"	Adv. manuf. tech. for polymer composite structures in Japan
<i>Sensors & Instrumentation News</i>	04/89	Marketing Sensors Conference Special Issue: "Political/Cultural Factors Impacting Sensor Companies," No. 4	Adv. sensors in Japan
<i>Sensors & Instrumentation News</i>	04/89	Marketing Sensors Conference Special Issue: "Technological and R&D Advances and Trends"	Adv. sensors in Japan
<i>Sensor Trends International</i>	01/89 Vol. 3, No. 1	"Japan Widens Research Lead"	Adv. sensors in Japan
<i>Sensors & Instrumentation News</i>	11/88 Vol. II, No. 10	"New Products-JTECH Lauds Japanese Sensor Research"	Adv. sensors in Japan
<i>International Journal of Materials & Product Technology</i>	01/95 Vol. 10, No. 1-2	Vistasp Karbhari "New Product and Process Development Methods as Applied to Polymer Matrix Composites: A Perspective Influenced by a JTEC Study"	Adv. manuf. tech. for polymer composite structures
<i>Equipment & Materials Update</i>	04/94 Vol. 94, No. 4	"Japanese Advanced Manufacturing Technologies for Polymer Composite Structures"	Adv. manuf. tech. for polymer composite structures

Table B.2—Continued

Publication	Issue	Article	Subject
<i>Chem Eng. News</i>	11/17/86 Vol. 17, pp. 8–10	Richard J. Seltzer, “Japan Aims for World Leadership in Advanced Polymers by 1990s”	Advanced materials
<i>Chemical Week</i>	04/23/86 Vol. 64, No. 46, pp. 35–38	Joseph F. Dunphy, Shota Ushio “Japan’s Advances in Polymers Pose a Challenge”	Advanced materials
<i>New Technology Week</i>	07/20/92 Vol. 6, No. 29	“The Japanese Technology Evalua- tion Center Has Released a New Report Entitled Bioprocess Engi- neering In Japan”	Bioprocess engineering in Japan
<i>Manufacturing News</i>	04/15/96 Vol. 3, No. 8	“Japanese Foundries Face Many of the Same Problems”	Casting
<i>Computer-Aided Design</i>	10/15/89 Vol. 10, No. 10	“Current Practice in Japan Advanced Manufacturing Technology”	CIM & CAD for semicon- ductor ind.
<i>Computer Integrated Manufacturing</i>	08/15/89 Vol. 10, No. 8	“Current Practice in Japan Advanced Manufacturing Technology”	CIM & CAD for semicon- ductor ind.
<i>Composites & Adhe- sives Newsletter</i>	05/92 Vol. 8, No. 4	“DOE Lab Differences Again Sur- face”	Composites
<i>Automation in Con- struction</i>	05/92 No. 1, pp. 27– 34	R. L. Tucker “Japanese Construction Industry”	Construction technologies
<i>NTIS Foreign Tech- nology Newsletter</i>	11/13/90 Vol. 90, No. 46	“Panel Evaluates Japanese Construc- tion Technologies”	Construction technologies
<i>NTIS Foreign Tech- nology Newsletter</i>	11/26/91 Vol. 91, No. 48	“New Report JTEC Panel Report on Construction Technologies in Japan”	Construction technologies in Japan
<i>Telecommunications Policy</i>	04/92 Vol. 16, No. 3, pp. 259–276	Martin Fransman “Japanese Failure in a High-Tech Industry”	Database use and technol- ogy
<i>High Performance Computing</i>	05/26/98 Vol. 7, No. 21	Mark Crawford “Japan Prepares to Play in Future Digital World”	Digital infor- mation orga- nization in Japan
<i>New Technology Week</i>	05/18/98 Vol. 12, No. 20	“Japan Prepares to Play in Future Digital World”	Digital infor- mation orga- nization in Japan
<i>Defense & Aerospace Electronics</i>	09/7/92 Vol. 2, p. 6	“Study Examines Display Panel Competition; Japanese Technology Evaluation Center’s Report, ‘Display Technologies In Japan’”	Display tech- nologies in Japan

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Publication	Issue	Article	Subject
<i>Computerworld</i>	02/10/92 pp. 31	Michael Alexander, CW Staff “Advanced Technology: U.S. to Topple Japan in Am-LCD Market?”	Display tech- nologies in Japan
<i>New Technology Week</i>	07/29/96 Vol. 10, No. 31	“Advice from Burgeoning Singapore”	Electronic manuf. in the Pacific Rim
<i>New Technology Week</i>	07/29/96 Vol. 10, No. 31	“Maturing Asian Electronics Indus- try Threatens to Capture More of World’s Sales, Investment”	Electronic manuf. in the Pacific Rim
<i>Electronic Buyers’ News</i>	04/17/95 p. 48	Jack Robertson “Manufacturing & Test: New PCB Technology Sought”	Electronic manuf. and packaging in Japan
<i>SMT Trends</i>	01/95 Vol. 11, No. 12	“From the Editor: New Year Brings New Challenges for Electronics Manufacturing”	Electronic and manuf. and packaging in Japan
<i>New Technology Week</i>	01/18/94 Vol. 8, No. 3	“Packaging, Miniaturization Drive Japan’s Electronics Market Strat- egy”	Electronic manuf. and packaging in Japan
<i>Proceedings of the 16th IEEE/CPMT International Elec- tronics Manufactur- ing Technology (IEMT) Symposium</i>	09/12–14/94 Part 1, Vol. 1	Michael Pecht, Michael Kelly, William Boulton, John Kukowski, Gene Meieran, John Peeples, Rao Tummala “JTEC Panel Report on Electronic Manufacturing and Packaging in Japan”	Electronic manuf. and packaging in Japan
<i>SMT Trends</i>	02/1/96	“Notes on Japan’s Electronics Industry”	Electronic manufactur- ing in Japan
<i>NTIS Foreign Tech- nology Newsletter</i>	03/06/90	“ERATO Program Looks at Super- bugs, Atomcraft and Bimolecular Machines”	ERATO
<i>New Technology Week</i>	12/18/95 Vol. 9, No. 50	Mark Crawford “ERATO Sparks Japan’s Basic Research Effort”	ERATO and PRESTO
<i>Research-Technology Management</i>	11 & 12/96 Vol. 39, No. 6, pp. 3–4	Phyllis Genter Yoshida “Japan Pursues Creative Science/Technology”	ERATO and PRESTO basic research pro- grams
<i>New Technology Week</i>	11/25/91 Vol. 5, No. 47	“Is the Race Ending to Commercial- ize Flat Panel Displays?”	Flat panel dis- play tech.

Table B.2—Continued

Publication	Issue	Article	Subject
<i>Electronic News</i>	04/12/93 Vol. 39, No. 1958, p. 14	David Kellar “Flat Panel Technology Race Lures More Entries” (Flat Panel Displays) (1991)	Flat panel dis- plays
<i>Wall Street Journal</i>	12/13/91 p. B5A(W), p. A9B(E)	Eduardo Lachica “Researchers of Flat-Panel Screens See Opportunity to Match the Japanese” (Active-Matrix Liquid Crystal Displays) Fri. ed.	Flat panel dis- plays
<i>High Performance Computing</i>	06/8/98 Vol. ,7, No. 23	“Japan, Asia Threaten U.S. Lead in Hard Disk Drives”	Future of data storage tech.
<i>High Performance Computing</i>	06/1/98 Vol. 7, No. 22	“Asian Manufacturers Dominate Optical Storage”	Future of data storage tech.
<i>New Technology Week</i>	06/1/98 Vol. 12, No. 22	“Japan, Asia Threaten U.S. Lead in Hard Disk Drives”	Future of data storage tech.
<i>New Technology Week</i>	06/10/96 Vol. 10, No. 24	“HCI Technology Growing in Impor- tance to Market”	HCI
<i>SMT Trends</i>	05/27/96 Vol. 13, No. 5	“PCB DESIGN & CAD: EMPF Work- ing on Design for Manufacturing”	HCI
<i>Manufacturing News</i>	05/15/96 Vol. 3, No. 10	“Leads in Computer Interfaces”	HCI
<i>NTIS Foreign Tech- nology Newsletter</i>	03/20/90 Vol. 90, No. 12	“JTEC Panel Report on High Tem- perature Superconductivity in Japan”	High temp. supercondvty. in Japan
<i>Science</i>	09/22/89 Vol. 245, No. 4924, p. 1331	Robert Pool “Japan: Superconductor Hopes Drop”	High temp. supercondvty. in Japan
<i>Federal News Service</i>	12/6/90	“Hearing of the Joint Economic Committee Subject: Japan’s Eco- nomic Challenge: Advanced Tech- nology Issues Chaired By: Repre- sentative Lee H. Hamilton (D-In) Witnesses: William F. Finan Prin- cipal Technecon, Inc. Kenneth Flamm Senior Fellow Brookings Institute Martha Harris Director Office Of Japan Affairs National Research Council Room 2261, Rayburn House Office Building”	JTEC
<i>New Technology Week</i>	08/4/97 Vol. 11, No. 31	“Sleeping Tiger? Think Again! WTEC Calls Inattention to Japan’s Might Naive”	JTEC commen- tary
<i>Communications of the ACM</i>	01/94 Vol. 37, No. 1	“Knowledge-Based Systems in Japan; Japanese Technology Evalu- ation Center Panel Report on Japan’s Expert Systems”	Knowledge- based sys- tems in Japan

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Publication	Issue	Article	Subject
<i>New Technology Week</i>	05/03/93 Vol. 7, No. 18	“Need Sparks Japanese to Push State of Art in Material Handling”	Material handling
<i>Material Handling Engineering</i>	07/92 Vol. 47, No. 7, p. 4	Gene F. Schwind “Japan Jumps for MH Technology; Materials Handling”	Material handling in Japan
<i>American Metal Market</i>	06/10/85 Vol. 93, p. 11	Gerry Khermouch “Japan Outstrips US in ‘Smart-Machine’ Technology: Commerce Dept. ’s draft; Island Nation Trailing Only in Software AI but Is Dedicated to Making Drive in That Sector”	Mechatronics
<i>Technology Alert</i>	03/1/98 Vol. 98, No. 2	“Microelectromechanical Systems Developments in Japan”	MEMS
<i>Electronic Engineering Times</i>	11/29/93 No. 774, p. 1	Brian Santo “Japan Gears up for Micromachines”	MEMS
<i>New Technology Week</i>	11/ 22/93 Vol. 7, No. 47	“Leads MEMS Field, But Japan’s on the Move”	MEMS
<i>Technology Review</i>	05/98 Vol. 101, No. 3, p. 30.	David Rotman “Big Money for a Small World”	Nanotech.
<i>Fine Particle Technology News</i>	05/98 Vol. 1, No. 4.	“Panel Reviews Global R&D Status”	Nanotech.
<i>High Performance Computing</i>	02/23/98 Vol. 7, No. 8	“Lucrative Nanotech Derby Still Wide Open”	Nanotech.
<i>Science</i>	02/20/98 Vol. 279, No. 5354, p. 1121a	“Nanotech Gold”	Nanotech.
<i>New Technology Week</i>	02/17/98 Vol. 12, No. 7	“Lucrative Nanotech Derby Still Wide Open”	Nanotech.
<i>High Performance Computing</i>	01/5/98 Vol. 7, No. 1	“NSF Leads Nanotech Coordination Effort”	Nanotech.
<i>Federal Technology Report</i>	05/22/97 p. 4	Neil Macdonald “Agencies Review Diverse Blend of Nanotechnology R&D Programs”	Nanotech.
<i>Nuclear News</i>	04/91 p. 19	“Recently Published: JTEC Panel Report on Nuclear Power in Japan”	Nuclear power in Japan
<i>NTIS Foreign Technology Newsletter</i>	12/18/90 Vol. 90, No. 51	“New Report: JTEC Panel Report on Nuclear Power in Japan”	Nuclear power in Japan
<i>EMedia Professional</i>	01/98 Vol. 11, No. 1, p. 60	Dana J. Parker “The Many Faces of High-Density Rewritable Optical”	Optoelectronics in Japan and in the US

Table B.2—Continued

Publication	Issue	Article	Subject
<i>Fiber Optics News</i>	06/17/96 Vol. 16, No. 25	"JTEC Report: Japanese Optoelectronics Industry Tops \$40 Billion; U.S. \$6 Billion"	Optoelectronics in Japan and the U.S.
<i>M2 Presswire</i>	05/8/96	IGI Consulting "Optoelectronics in Japan and the United States"	Optoelectronics in Japan and the U.S.
<i>Manufacturing News</i>	04/1/96 Vol. 3, No. 7	"In Optoelectronics, Japan Holds Most but Not All of the Cards"	Optoelectronics in Japan and the U.S.
<i>New Technology Week</i>	04/14/97 Vol. 15, No. 11	"U.S. Facing Japanese Challenge in Superconducting Electronics"	Power apps. of superconductivity in Japan and GR
<i>Defense Week</i>	08/12/96 Vol. 17, No. 33	"Japan Lead in Superconductors Vulnerable to Germany"	Power apps of superconductivity in Japan and GR
<i>New Technology Week</i>	08/5/96 Vol. 10, No. 32	"U.S. Lead in Superconductors Vulnerable to Germany, Japan"	Power apps of superconductivity in Japan and GR
<i>Composites Industry Monthly</i>	01/93	"Japanese Technology Evaluation Center Overview at U.S. Workshop"	Program summary
<i>New Technology Week</i>	07/28/97 Vol. 11, No. 30	"Rapid Prototyping: Europe, Japan Challenge U.S. Lead"	Rapid prototyping
<i>Manufacturing News</i>	04/15/96 Vol. 3, No. 8	"Rapid Prototyping in Japan, Europe and the United States"	Rapid prototyping
<i>Materials Technology</i>	Mar-Apr 1996 Vol. 11, No. 2, pp. 62-66	Michael J. Dehaemer "Highlights of the Workshop on Rapid Prototyping in Japan and Europe" Source: Matrice Tech Ltd. Sidcup Engl.	Rapid prototyping
<i>New Technology Week</i>	08/02/93 Vol. 7, No. 31	"Submersibles in Ex-USSR Eye Opens for Westerners"	Rsrch submersibles & undersea tech.
<i>Sea Technology</i>	12/94 Vol. 35, p. 23	Richard F. Burns "Research Submersibles, undersea technologies (in W W. Eur. and former Sov. Union)"	Rsrch submersibles & undersea tech.
<i>Defense Week</i>	12/22/97 Vol. 18, No. 50	"Satellite Communications: U.S. Dominance at Risk?"	Satellite comm. systems & tech.

Table B.2—Continued

Publication	Issue	Article	Subject
<i>Defense Week</i>	12/22/97 Vol. 18, No. 50	“Satellite Communications: U.S. Dominance at Risk?”	Satellite comm.systems & tech.
<i>High Performance Computing</i>	12/15/97 Vol. 6, No. 12	“Satellite Communications: U.S. Dominance at Risk?”	Satellite comm.systems & tech.
<i>New Technology Week</i>	12/8/97 Vol. 11, No. 48	“Satellite Communications: U.S. Dominance at Risk?”	Satellite comm.systems & tech.
<i>Satellite Week</i>	02/15/93 Vol. 15, No. 7	“Lead in Mobile Satellite Services Will Disappear, Study Says”	Satellites comm. systems & tech.
<i>New Technology Week</i>	02/08/93 Vol. 7, No. 40	“Satellites: Another U.S. Industry Faces Decline”	Satellites comm. systems & tech.
<i>New Technology Week</i>	12/23/91 Vol. 5, No. 51	“In Advanced Chipmaking, United States and Japan Are Running Neck to Neck”	Semiconductors
<i>New Technology Week</i>	05/10/93 Vol. 7, No. 19	“Japan Drawing Bead on U.S. in Membranes?”	Separation technology
<i>New Technology Week</i>	07/29/96 Vol. 10, No. 31	“Flat-Panel Surge by Korea, Taiwan Raising More Questions for U.S.”	South Korea electronics industry
<i>Solid State Technology</i>	09/96 Vol. 39, No. 9, p. 76	Martin Peckerar South Korea: A New Tiger Faces New Technology Issues	South Korean electronics industry; JTEC
<i>NTIS Foreign Technology Newsletter</i>	10/23/90 Vol. 90, No. 43	“JTEC Panel Report on Space and Transatmospheric Propulsion Technology”	Space propulsion in Japan
<i>New Technology Week</i>	08/13/90 Vol. 4, No. 33	“Japanese Take Minimalist Approach to Ambitious Space Robotics Program”	Space robotics in Japan
<i>Sea Technology</i>	12/96 Vol. 37, p. 23	“Submersibles, Marine Technologies”	Submersibles & marine tech.
<i>Marine Technology Society Journal</i>	Spring 1996 Vol. 30, pp. 71–72.	Brad Mooney, Richard Seymour “WTEC Panel Survey Russian Maritime Technologies”	Submersibles & marine tech.
<i>BNA International Business & Finance Daily</i>	08/04/97	“Despite Recession, Japan Beats Western Nations In R&D Spending, Conference Told”	Workshop
<i>NTIS Foreign Technology Newsletter</i>	06/04/91 Vol. 91, No. 23	“Panel Evaluates X-Ray Lithography in Japan”	X-ray lithography

Table B.2—Continued

Publication	Issue	Article	Subject
<i>Chilton's Electronic News</i>	02/25/91 Vol. 37, No. 1849, p. 27	Jack Robertson "Japan: X-ray may Wait for 1g Dram; X-Ray Lithography, Dynamic Random Access Memory; Gigabyte"	X-ray lithogra- phy
<i>Private Equity Week</i>	07/14/97 Vol. 4, No. 28, pp. 1ff	"High-Tech Developer Looks to the Next Wave"	
<i>Science</i>	05/3/96 Vol. 272, No. 5262, p. 645	Dennis Normille "New Faculty Grants Program Expands Role Of STA Agency; Science and Technology Agency"	
<i>New Technology Week</i>	05/30/95 Vol. 9, No. 22	"Study Faults U.S. Daring in High- Volume Products"	
<i>Warfield's Business Record</i>	07/7/93 Vol. 8, No. 30, Sec. 1, p. 13	Tom Johnson "Tracking Japan's Growing Strength in Development of High Technology"	
<i>New Technology Week</i>	04/26/93 Vol. 7, No. 17	"Loyola Furthers Global Tech Agenda"	
<i>Inside DOT & Transportation Week</i>	04/23/93 Vol. 4, No. 16	"Japanese Technology Gains Studied at Loyola College"	
<i>New Technology Week</i>	09/21/92 Vol. 6, No. 37	"U.S. Firms Slow to Tap Japanese Technical Data"	
<i>New Technology Week</i>	06/29/92 Vol. 6, No. 26	"Assesses Japan's Fifth Generation Computer Project"	
<i>New Technology Week</i>	01/06/92 Vol. 6, No. 1	"The Japan Technology Evaluation Center"	
<i>New Technology Week</i>	05/28/91 Vol. 5, No. 22	"JTEC Takes Measure of Japanese Biotechnology"	
<i>Database</i>	04/91 Vol. 14, No. 2, pp. 105-107.	R. R. Dueltgen "Access to Japanese Technical Information"	
<i>NTIS Foreign Technology Newsletter</i>	09/18/90 Vol. 90, No. 38	"Panel Evaluates Japanese Materials R&D"	
<i>Superconductor Week</i>	04/02/90	"Japanese Dominate Digital Josephson Technology"	
<i>Superconductor Week</i>	03/19/90 Vol. 4, No. 12	"DOE Laboratory, Headquarters Differences Again Surface"	
<i>Automation News</i>	01/88 Vol. 2, No. 1	"US Reports on High Technology R&D in Japan Manufacturing"	
<i>IEEE Spectrum</i>	10/85 Vol. 22, No. 10, pp. 46-52	Trudy E. Bell "Japan Reaches Beyond Silicon"	

Table B.3
JTEC Reports Cited as References

Publication	Date	Author(s) and Article Title	Report Cited
<i>Quality and Reliability Engineering International</i>	Jan.–Feb. 1997 Vol. 13, No. 1, pp. 3–8	N. Kelkar, A. Dasgupta, M. Pecht, I. Knowles, M. Hawley, D. Jennings “‘Smart’ Electronic Systems for Condition-Based Health Management” (reprint)	MEMS 1994
<i>Science</i>	Nov. 1, 1996 Vol. 274, No. 5288, pp. 736–737	David Larbalestier “Superconductor Flux Pinning and Grain Boundary Control”	Superconductivity in Japan and GR
<i>Manufacturing News</i>	Aug. 5, 1996 Vol. 3, No. 15	“Words, Recent Manufacturing Reports”	Advertisement for Manuf. Reports
<i>Computerworld</i>	July 3, 1995 p. 66	Michael Fitzgerald “Summer Breezes”	Manufacturing Reports to Read
<i>Issues in Science and Technology</i>	Fall 1994 Vol. 11, No. 1, pp. 27–32	Kenneth S. Flamm “Flat-Panel Displays: Catalyzing a U.S. Industry”	Display Technology (Recom. Reading)
<i>Proceedings of the IEEE</i>	Apr. 1994 Vol. 82, No. 4, pp. 499–509	Lee Tannas “Evolution of Flat-Panel Displays”	Display Technology 1992
<i>IEEE Expert-Intelligent Systems & Their Applications</i>	Feb. 1994 Vol. 9, No. 1	J. Hendler “Beyond the 5th Generation Parallel AI Research in Japan”	JTEC 1992 Study (not specified)
<i>IEEE Communications Magazine</i>	May 1993 Vol. 31, No. 5, pp. 88–94	D. Stokesberry, S. Wakid “ISDN in North America”	Telecom Report 1986
<i>Journal of Vacuum Science & Technology</i>	Nov.–Dec. 1992 Vol. 10, No. 6	D. Fleming, J. Maldonado, M. Neisser “Prospects for X-Ray Lithography”	X-ray Lithography 1991
<i>Trends in Biotechnology</i>	1989 Vol. 7, No. 9, pp. 227–229	D. L. Oxender, C. F. Fox “Barriers to United-States Industrial Biotechnology Research Consortia”	JTECH Report 1985 and 1988 (Biotechnology)
<i>Czechoslovak Journal of Physics</i>	1987 Vol. 37, No. 2, pp. 257–272	J. Vlachy “World Trends, Publication Output, Research Fronts and Highly Cited Papers in Optics, Lasers and Quantum-Electronics”	Opto and Micro Electronics 1985
<i>IEEE Spectrum</i>	1986 Vol. 23, No. 6, pp. 47–52	“Assessing Japan’s Role in Telecommunications”	Telecom Report 1986

Table B.4
Cited Conferences

Conference	Date and Place	Subject	Speaker and Topic
100 Casting Congress and CastExpo	April 20–23, 1996 Philadelphia, Penn.	Casting Technolo- gies	H.W. Hayden United States Japanese R&D on New Cast Alloys and Materials
Semiconductor Equipment and Materials International: Semicon West Conference	July 1994 San Francisco, Calif.	Electronic Manuf. and Packaging in Japan	R. Tummala Japanese Packaging Roadmap (Based on NSF- Sponsored JTEC Study): Packaging Industry: Roadmap to the Future (SEMI, pp. 124–141)
Inside Conference: Advanced Display Technologies in Russia, Ukraine and Belarus Workshop	February 1994 Arlington, Va.	Advanced Display Technologies in Russia, Ukraine and Belarus	M. DeHaemer Introduction to WTEC (pp. 1–13)