

# NATIONAL TECHNOLOGY TRANSFER CENTER

316 Washington Avenue, Wheeling, WV 26003

Phone (800) 678-6882

## TECHNICAL REQUEST INFORMATION SHEET

Fax (304) 243-2539

NAME _____	TITLE _____
COMPANY _____	
ADDRESS _____	
CITY/STATE/ZIP _____	
PHONE _____	FAX _____
YOUR COMPANY'S MAJOR BUSINESS AREA _____	
SIC CODE (IF KNOWN) _____	KEEP YOUR REQUEST CONFIDENTIAL <input type="checkbox"/> YES <input type="checkbox"/> NO
COMPANY SIZE (NUMBER OF EMPLOYEES) <input type="checkbox"/> 1-100	<input type="checkbox"/> 101-500 <input type="checkbox"/> 501 OR MORE

TODAY'S DATE \_\_\_\_\_

TECHNICAL DETAILS OF YOUR REQUEST \_\_\_\_\_

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By completing and faxing this form, a NTTC Technology Access Agent will be assigned to your request. Our Agent will then put you in contact with the most appropriate individuals at federally funded research facilities. If you prefer, you can call (800) 678-6882 and give your request to a Customer Service Representative. There is no charge for this service nor is there a limit to the number of requests which you may submit.



**NTTC OTHER AGENCY PROGRAMS**

1-20-95

DEPT.	PROGRAM	TEAM	CLIENT	PROG MGRS	DATE	STATUS	SUMMARY
1.	Mgt. Ballistic Missile Defense Organization (BMDO)	NTTC/BMDO	DOD	Dunderville/Zeig	April 93 - ongoing	Granted	NTTC's Washington Operations provides a wide range of technology transfer services to the Ballistic Missile Defense Organization (BMDO). NTTC administers the BMDO Technology Applications Information System (TAIS) on-line database of technology projects for commercialization and provides commercialization assistance to BMDO-funded companies. NTTC's Washington Operations conducts Technology Applications Reviews for companies interested in commercializing their BMDO-funded work, and offers an extensive outreach program on the BMDO technology applications program. Free publications include the quarterly Update and an annual report. The NTTC also conducts demonstration programs to develop effective models for technology transfer using BMDO resources.
2.	NPD, Gateway Office of Law Enforcement Technology Commercialization	NTTC / NIJ	DOJ	(Bortman)	FY95	Pending FY95	The NIJ/NASA/NTTC team will provide law enforcement and criminal justice organizations and the manufacturing and technology community an effective resource for technology commercialization. The scope of the NTTC technology commercialization initiative will: provide "one-stop" access to existing law enforcement and criminal justice information and databases; provide special technology transfer technical expertise modeled after NTTC's technology application reviews; facilitate the acquisition and use of technology by law enforcement organizations; provide local, regional, and national level conference management support to technology transfer; develop supplemental or new law enforcement technology transfer databases; operate information gateway or networks for the special needs of the law enforcement community; provide education, training and information outreach services; facilitate technology development and prototype development/manufacture of products or services.
3.	Training NAVY TT Training Program	NTTC/NAVY	NAVY	Wowczuk	May 93 - ongoing	Granted	NTTC has been commissioned by the U.S. Navy to develop a multifaceted training program in technology transfer for personnel in Navy Laboratories. This program has been designed to assist the Navy in expanding the use and application of its extensive research and development facilities to not just meet but exceed the economic development objectives of the U. S. Congress as set forth in federal technology transfer legislation.
4.	MED, Training Entrepreneurial Technology Apprenticeship Program (ETAP)	NTTC	DOC-MBDA Minority Business Development Agency	Allen/L. Leoni	FY95	Pending	This program stimulates qualified minority students to pursue careers in technology management. Students gain comprehensive hands-on training and structured, systematic exposure to "real world" experiences. Federal laboratories, universities, Manufacturing Technology Centers, and private companies will host and train ETAP apprentices in technology management skills, manufacturing problem-solving, and/or industrial extension.

NTTC OTHER AGENCY PROGRAMS

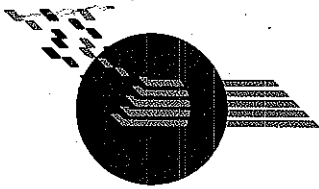
1-20-95

DEPT.	PROGRAM	TEAM	CLIENT	PROG MGRS	DATE	STATUS	SUMMARY
5. Gateway & BMDO	GETE Environmental Management Technology Leveraging Initiative	GETF/NTTC/NASDA/ETEC/EBC	DOE/METC	Arble/Rood/Ball	FY95	Granted	The Global Environmental Technology Enterprise (GETE) represents a national partnership to accelerate the commercialization of DOE environmental technology by the private sector. A team of organizations, including the Global Environmental Technology Foundation (GETF), NTTC, the National Association of State Development Agencies (NASDA), the Environmental Export Council (EEC), and a number of other GETE partners are carrying out activities to strengthen the nation's environmental technology industry while promoting the development and commercialization of new advanced technologies for more effective pollution clean-up, monitoring, prevention and specifically to remediate environmental hazards at DOE weapons production facilities. Call 800-ENV-6676 for additional information.
6. Training	National Industrial Extension Curriculum	DOC/NIST	TRP	Joltes	FY94 - ongoing	Granted	The 2 1/2 day Fundamentals of Industrial Extension Workshop trains individuals who are working directly with business and industry. The basic skills taught in the workshop provide participants with the knowledge required to more effectively assist companies in identifying and solving technical and managerial needs. The workshop also provides the participants with resources and various networking opportunities available throughout the country.
7. Gateway	National Technology & Commerce Initiative	KE/NTTC	ARPA / TRP	Arble	FY94 / 95; Beg. Nov 94	Granted	The partnership will create a new national electronic network, NTCI-NET, to link private industry, universities, federal laboratories, and state and local business assistance providers. NTCI-NET hosts an online collection of information about federal and university research, inventions, new technologies and experts, company research and development and companies' capabilities. The partnership will lead to the enhancement of the quantity and quality of federal research and technology information distributed to U.S. technology transfer executives using the Knowledge Express Core Contents online service. Knowledge Express Core Contents is accessible via modem and the Internet. For information call 800-529-KEDS.
8. Gateway BMDO	White House Envir. Technology Conference/Workshop - Technology for a Sustainable Future	NTTC/GETF	OSTP	Rood/Ball/Arble/Dunderville	FY95	Granted Aug 94	The Technology for a Sustainable Future project is a White House initiative to develop a National Environmental Technology Strategy. The initiative is being supported and funded by 13 federal agencies, and involves holding a series of workshops and symposia around the country to gain feedback on possible next steps that could be taken by the federal government to advance the development and commercialization of environmental technologies. The strategy development initiative began with the release of the report, Technology for a Sustainable Future, by Vice President dent Gore at the National Renewable Energy Lab in July. A key milestone is the White House Conference on Environmental Technology, December 11-14 1994 in Washington D.C. The strategy will be unveiled on Earth Day 1995 (April 22). Call 800-ENV-6676 for additional information.
9. Gateway BMDO	DOE/IETO - Interagency Environmental Tech. Office - Subset of White House listed above	NTTC/DOE	DOE/NASA	Rood/Ball/Arble	FY95	Granted	Consists of representatives from all federal agencies involved in environmental issues. A White House sponsored effort to define government environmental technology needs and integrate them with private sector needs in order to form public/private partnerships.

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10.	CIS/NPD National Technology Alliance	NASA / NTTC / CIA	NASA / CIA	Arble/Bortman	FY95	Pending at NASA	Integrate CIA/NTA laboratory information into NTTC gateway resource database; Promote access to appropriate NTA resources for federal agencies/industry; Assist in developing technology clearinghouse and technology transfer opportunities.
11.	Training EPA TT Training	NTTC/EPA	EPA	Riner	FY95	Granted	The EPA program consists of two major tasks: 1.) Development and delivery of a one-day training program for the research scientists in EPA Research Labs. The focus of the training will be on EPA's implementation of the Federal Technology Transfer Act (FTTA). 2.) To support the training effort, we will be developing a short video highlighting one or more EPA CRADA.
12.	Gateway Navy Gateway Service/Innovation Management Support	Navy / NTTC	NAVY / ONR	Arble	FY94 / 95	Pending Beta Testing	The NTTC operates the Navy Technology Hotline (1-800-NAVYTEC) for the Office of Naval Research. The mission of NAVYTEC is to facilitate private sector access to specific areas of research and development within the Department of the Navy. An engineer at NAVYTEC will personally assist the caller in locating the labs doing work relevant to the area of interest.
13.	Gateway Federal Laboratory & Technology Resources Directory	NTTC/ DOC-NTIS	DOC	Clinton	FY94 / 95	Granted	The fifth edition of this valuable directory guides you to hundreds of Federal agencies, laboratories, and engineering centers willing to share their expertise, equipment and facilities to aid your research. Detailed summaries of more than 1,900 unique resources are arranged under 70 subject areas for easy reference. The name, address, and telephone number of a personal contact is listed for each entry, along with the descriptive summary. Hundreds of agencies have worked together to create this comprehensive directory covering topics such as fuels, cold regions, concrete, fisheries, toxicology, pesticides, plastics, and much more.
14.	CIS Federal R&D Core Competency Database	NTTC/ DOC-EDA	DOC-EDA	Ross	FY95	Not Funded	The project will provide a database of people, laboratory facilities, and equipment for all agencies.
15.	CIS Digital Imagery Repository	NTTC / GTE	ARPA	Ross/(Bortman)	FY95	Pending	Significant imagery data collection from satellite photography is being made available. A project is planned to convert this data to electronic form, then index, classify and make available.
16.	Mktg, NPD Technology Transfer and Persons With Disabilities	NTTC	NIDRR/VA	(Duskin/ Bortman)	FY95		The NTTC has invited experts from federal labs, resource organizations and industry to present ways to commercialize federally developed technologies for use in assisting disabled persons. Topics, case studies and panel discussions include: Overcoming the Commercialization and Marketing Gaps, Resources for Manufacturers, Criteria for Investing, Disability Consumer Market Development, and Advancing Universal Design.
17.	Gateway BMDO ETI - National Access to Environmental Tech.	NASA/NTTC/ EPA-CERI	EPA	Arble/Ball	FY95	Pending April 95	Acquire and disseminate non-remediation technologies for all agencies.
18.	Gateway BMDO ETI - Forging Links for Innovative Envir. Technology	DOE/NTTC/ GETF	EPA	Arble/Ball	FY95	Pending	Acquire and disseminate non-DOE remediation technologies.
19.	CIS, Gateway ETI - National Science Foundation Information Services	NTTC/NSF/ GETF	EPA	Ball	FY95	Pending	Provide on-line access to engineering and management tools for environmental service organizations.
20.	CIS Common Information Tool Development	Antaire / NTTC	ARPA	Ross	FY95	Pending	A common data access is being developed by Antaire under DOD funding. The NTTC is participating as a developmental user for Phase I, and will become a node during Phase II (if funded).



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## 1995 Trade Show Exhibits Listed by Target Audience

### Auto

•SAE International Expo: Detroit, MI ..... February 27-March 2

### Biotechnology

•Bio East '95: Washington, DC ..... January 9-15

•Bio International: San Francisco, CA ..... May 20-25

### CAD/CAM/CAE

•Autofact: Detroit, MI ..... November Date TBA

### Communications

•Wescon '95: San Francisco, CA ..... November 7-9

### Corporate Libraries

•SLA '95: Montreal, Canada ..... June 10-15

### Design Engineering

•NDES: Chicago, Il ..... March 13-16

### Development/Manufacturing

•PDMA: Washington, DC ..... March 29-31

•NACFAM: Washington, DC ..... April 24-25

•PDMA: Washington, DC ..... September Date TBA

### Electronics

•Southcon '95: Ft. Lauderdale, FL ..... March 7-9

### Materials

•TMS Annual Meeting: Las Vegas, NV ..... February 12-16

### NASA

•Tech 2005: Chicago, Il ..... October 24-26

### Petroleum

•Offshore Technology Conference '95: Houston, TX ..... May 1-4

### Sensors

•Sensors: Boston, MA ..... May 16-18

### Small Business Development

•ASBDC: New Orleans, LA ..... October Date TBA

•SBIR: Anaheim, CA ..... March 26-28

•SBIR: Chicago, Il ..... April 26-28

•SBIR: Washington, DC ..... October 16-18

•SBIR: Salt Lake City, UT ..... October 30 - November 2

### Transportation

•Future Transportation Technologies: Costa Mesa, CA ..... August 7-9

## 1995 Advertising Campaign

### **Ads currently running that focus on the Center's Gateway Service.**

- NASA Tech Briefs - 205,328 circulation
- Industry Week - 290,976 circulation
- R&D Magazine - 106,546 circulation
- Tech Transfer Business - 68,000 circulation

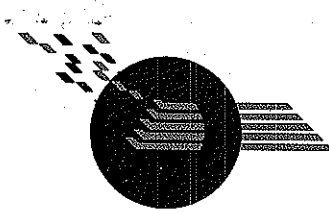
### **Ads that will focus on the NTTC bulletin board and Business Gold (beginning April, 95).**

- Boardwatch Magazine - 35,000 circulation
- On-line advertisements

### **Publications that are being reviewed as potential sources for NTTC advertisements focusing on specific technologies and the Gateway Service.**

- American Machinist - 80,600 circulation
- Chemical Engineering Catalog - 35,000 circulation
- Computer-Aided Engineering - 60,000 circulation
- Electronic Design - 165,000
- Foundry Management & Technology - 22,000 circulation
- Machine Design - 180,600 circulation
- Agriculture Alert - 50,000 circulation
- Agri-View - 51,000 circulation
- Law Enforcement Product News - 40,000 circulation
- Law Enforcement Technology - 25,000 circulation
- The Source - 13,000 circulation
- American Environmental Laboratory - 37,000 circulation
- Environment Today - 54,000 circulation

**Ads focusing on NTTC training initiatives are being developed and advertising opportunities are being researched.**



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## Technology Managers Advisory Board

revised January 16, 1995

Mr. Reid Adler  
Morrison & Foerster  
2000 Pennsylvania Avenue, NW  
Washington, DC 20006-1888  
Ph: (202)887-1500 Fx: (202)887-0763

Dr. Dan Arvizu, Director  
Advanced Energy Technology Center  
Sandia National Laboratory  
P.O. Box 5800, MS 0702  
Albuquerque, NM 87185-0702  
Ph: (505)845-8336 Fx: (505)844-0591  
E-mail: dearviz@sandia.gov

Mr. Steve Cooper, Director  
Technology Transfer  
Thomas Nelson Community College  
525 Butler Farm Road, Suite 102  
Hampton, VA 23666  
Ph: (804)825-2709 Fx: (804)825-2960  
E-mail: cooper@pcs.cmu.edu

Mr. Harry G. Craft, Jr., Manager  
Technology Transfer Office  
Marshall Space Flight Center, Mail Code LA01  
Marshall Space Flight Center, AL 35812  
Ph: (205)544-5419 Fx: (205)544-1815  
E-mail: harry.craft@msfc.nasa.gov

Mr. Henry Davis, Director  
Technology Transfer & Commercialization Office  
Johnson Space Center, Code HA  
2101 NASA Road One  
Houston, TX 77058-3696  
Ph: (713)483-0474 Fx: (713)244-8452  
E-mail: hdavis@profs.jsc.nasa.gov

Mr. Larry Fradkin  
Federal Technology Transfer Act Coordinator  
Office of Science, Planning & Regulatory Evaluation  
U.S. EPA  
26 Martin Luther King Dr.  
Cincinnati, OH 45268  
Ph: (513)569-7960 Fx: (513)569-7132

Mr. Jack Gido, Director  
PENNTAP  
117 Technology Center Bldg.  
200 Innovation Blvd.  
University Park, PA 16802  
Ph: (814)865-0427 Fx: (814)865-5909

Ms. MaryAnn Guerra, Executive Officer  
National Heart, Lung, and Blood Institute  
National Institutes of Health  
9000 Rockville Pike  
Building 31, Room 5A48  
Bethesda, MD 20892  
Ph: (301)496-2411 Fx: (301)402-3686

Dr. Joseph Heyman, Deputy Director  
Technology Applications Group  
NASA Langley Research Center, MS 118  
Hampton, VA 23681-0001  
Ph: (804)864-6006 Fx: (804)864-8088

Mr. Gregory L. Higgins, Jr.  
State Director  
Pennsylvania Small Business Development Center  
Vance Hall 4th Floor  
3733 Spruce Street  
Philadelphia, PA 19104-6374  
Ph: (215)898-1219 Fx: (215)573-2135

Ms. Marianne Hudson, Vice President  
Mid-America Manufacturing Technology Center  
10561 Barkley, Suite 602  
Overland Park, KS 66212  
Ph: (913)649-4333 Fx: (913)649-4498

Dr. William Kessler, Director  
Manufacturing Technology Directorate  
WL/MT, Building 653  
2977 P Street, Suite 6  
Wright-Patterson AFB, OH 45433-6533  
Ph: (513)255-3300 Fx: (513)476-4420

Mr. Norman J. Latker, Managing Attorney  
Browdy and Neimark  
Intellectual Property Law  
419 Seventh Street, NW  
Washington, DC 20004  
Ph: (202)628-5197 Fx: (202)737-3528

Ms. Jana B. Matthews  
Senior Fellow and Program Director  
Ewing Marion Kauffman Foundation  
4900 Oak  
Kansas City, MO 64112-2776  
Ph: (816)932-1000 Fx: (816)932-1100

## Technology Managers Advisory Board Cont.

revised January 16, 1995

Mr. Bruce Mattson, Chief of the Office of  
Technology Development & Small Business Prgm.  
National Institute of Standards and Technology  
Building 221, Room B-256  
Gaithersburg, MD 20899  
Ph: (301)975-6501 Fx: (301)869-2751

Dr. Lawrence T. McGeehan, President  
Ben Franklin Technology Center of  
Western Pennsylvania  
4516 Henry Street, Suite 103  
Pittsburgh PA 15213  
Ph: (412)681-1520 Fx: (412)681-2625

Ms. Margaret McNamara, Head  
Office of Research & Technology Applications  
Naval Undersea Warfare Center  
New London Detachment  
New London, CT 06320  
Ph: (203)440-4590 Fx: (203)440-5458

Mr. T.C. Parsons, Executive Director  
Center for Industrial Services  
University of Tennessee  
226 Capital Blvd Building, Suite 606  
Nashville, TN 37219-1804  
Ph: (615)532-8657 Fx: (615)532-4937  
E-mail: parsons%cis\_nash@wpgate.utk.edu

Mr. John T. Preston, Director  
Technology Licensing Office  
Massachusetts Institute of Technology  
28 Carleton Street, Room E 32-300  
Cambridge, MA 02142  
Ph: (617)253-1052 Fx: (617)258-6790

Dr. Richard H. Rein, Head of Technology Transfer  
Naval Research Laboratory  
4555 Overlook Avenue, SW  
Washington, DC 20375-5000  
Ph: (202)767-3744 Fx: (202)404-7920

Dr. Syed Z. Shariq, Director  
Office of Commercial Technology  
Ames Research Center, MS 200-10  
Moffet Field, CA 94035-1000  
Ph: (415)604-0753 Fx: (415)604-4003

Dr. Warren Siemens, Director  
Office of Technology Transfer  
& Commercialization 4200  
Sandia National Laboratory  
P.O. Box 5800  
Albuquerque, NM 87185-1380  
Ph: (505)271-7813 Fx: (505)271-7856

Dr. Jon Soderstrom, Director  
Licensing Office of Technology Transfer  
Martin Marietta Energy Systems  
701 Scarboro Road  
Oak Ridge, TN 37831-8240  
Ph: (615)574-5953 Fx: (615)574-1011  
E-mail: jsq@orln.gov

Mr. William Spuck, Program Director  
Industry Affairs  
Jet Propulsion Laboratory  
4800 Oak Grove Drive, MS 601  
Pasadena, CA 91109-8099  
Ph: (818)354-3528 Fx: (818)393-1554

Dr. Ashley J. Stevens, Director  
Office of Technology Transfer  
Dana-Farber Cancer Institute  
44 Binney Street  
Boston, MA 02115  
Ph: (617)632-2133 Fx: (617)632-4012  
E-mail: ashley\_stevens@farber.harvard.edu

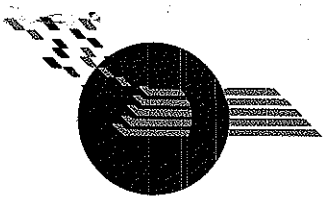
Dr. David H. Swanson, Guest Researcher  
Manufacturing Extension Partnership  
National Institute of Standards and Technology  
Bldg. 224, Room B115  
Gaithersburg, MD 20899  
Ph: (301)975-5306 Fx: (301)963-6556  
E-mail: dswanson@micf.nist.gov

Dr. William H. Tallent  
Technology Transfer Advisor  
Agricultural Research Service, USDA  
Room 403, Bldg. 005, BARC-W  
Beltsville, MD 20705-2350  
Ph: (301)504-6786 Fx: (301)504-5060

Mr. Ron Thornton, Director  
Southern Technology Application Center  
Box 24, 1 Progress Boulevard  
Alachua, FL 32615  
Ph: (904)462-3913 Fx: (904)462-3898

Mr. W. Travis Walton, Director  
Technology Extension Service  
Engineering Research Center  
University of Maryland  
College Park, MD 20742  
Ph: (301)405-3883 Fx: (301)403-4105  
E-Mail: trav\_walton@umail.umd.edu





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## Industry Advisory Board

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Mr. Donald M. Alstadt  
CEO  
Lord Corporation  
2000 West Grandview Boulevard  
Erie, PA 16514-0038  
Ph: (814)868-3611 Fx: (814)864-3452

Dr. F. Peter Boer  
Executive Vice President  
W.R. Grace & Company  
One Town Center  
Boca Raton, FL 33486-1010  
Ph: (407)362-1831 Fx: (407)362-1718

Ms. Ann Eskesen  
President  
Innovation Development Institute  
45 Beach Bluff Avenue, Suite 300  
Swampscott, MA 01907-1542  
Ph: (617)595-2920 Fx: (617)593-4660

Mr. I.N. Rendall Harper, Jr.  
CEO/President  
American Micrographics Company, Inc.  
4112 Monroeville Boulevard  
Monroeville, PA 15146  
Ph: (412)856-6900 Fx: (412)856-7688

Mr. Robert E. Henderson  
Director  
South Carolina Research Authority  
P.O. Box 12025  
Columbia, SC 29211  
Ph: (803)799-4070 Fx: (803)252-7642

Mr. Brian E. Joseph  
Director  
Touchstone Research Laboratory, Ltd.  
The Millennium Centre  
Triadelphia, WV 26059  
Ph: (304)547-5800 Fx: (304)547-4069

Mr. Keith K. Kappmeyer  
Executive VP, Planning & Administration  
Blue Cross of Western Pennsylvania  
120 5th Avenue Place  
Suite 3010  
Pittsburgh, PA 15222  
Ph: (412)255-5330 Fx: (412)255-8240

Dr. A. Fred Kerst, President  
Calgon Corporation  
P.O. Box 1346  
Pittsburgh, PA 15230  
Ph: (412)777-8458 Fx: (412)777-8555

Dr. Peter F. McCloskey, President  
Electronic Industries Association  
2500 Wilson Blvd.  
Arlington, VA 22201  
Ph: (703)907-7505 Fx: (703)907-7501

Mr. Lee W. Mercer, President  
U.S. Fiber Optics and Telecommunications  
Corporation  
10015 Old Columbia Road, Suite F100  
Columbia, MD 21046  
Ph: (410)290-3693 Fx: (410)290-3695

Ms. Shelby C. Morss  
Assistant Vice President  
Ventures Department  
Brigham Medical Center, Inc.  
75 Francis Street  
Boston, MA 02115  
Ph: (617)732-5504 Fx: (617)278-6996

Mr. C. Richard Neumiller, Director  
Legislative and Public Affairs  
CILCORP, Inc.  
300 Hamilton Boulevard  
Suite 300  
Peoria, IL 61602  
Ph: (309)675-8820 Fx: (309)675-8800

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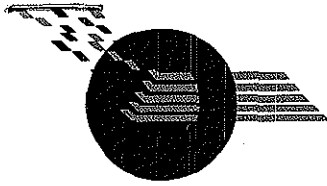
Mr. William A. Owczarski  
Manager, Washington Office  
McDermott Incorporated  
1525 Wilson Blvd., Suite 100  
Arlington, VA 22209  
Ph: (703)351-6314 Fx: (703)351-6418  
E-mail: bill.a.owczarski@rdd.mcdermott.com

Mr. Jeffrey L. Staley  
Mercer Management  
33 Hayden Avenue  
Lexington, MA 02173  
Ph: (617)861-7580 Fx: (617)862-3935

Ms. Deborah Rowell  
Executive Director  
Petroleum Technology Transfer Council  
1101 16th Street, NW  
Suite 1-C  
Washington, DC 20036-4803  
Ph: (202)785-2225 Fx: (202)785-2240

Dr. Eugene Steadman, Jr.  
Director, Government Market Development  
Government Relations  
Hoechst Celanese Corporation  
919 18th Street, NW, Suite 700  
Washington, DC 20006  
Ph: (202)296-2890 Fx: (202)296-7268

Mr. Dominick J. Saccacio  
Chairman & CEO  
Datatape Incorporated  
360 Sierra Madre Villa  
Pasadena, CA 91109-9381  
Ph: (818)796-9381 Fx: (818)351-0256



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## Federal Agency Advisory Board

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Mr. David Appler  
Defense Technical Information Center  
U.S. Department of Defense  
Cameron Station  
Alexandria, VA 22304-6145  
Ph: (703)274-7913 Fx: (703)274-1283

Mr. John Hohl  
Office of Research and Technology  
U.S. Department of Transportation  
400 Seventh Street, SW  
(DRT-1), Room 9402  
Washington, DC 20590  
Ph: (202)366-4978 Fx: (202)366-3272  
Internet: hohlj@mailstorm.dot.gov

Mr. David G. Boyd, Director  
Science and Technology Division  
National Institute of Justice  
U.S. Department of Justice  
633 Indiana Avenue, NW  
Washington, DC 20531  
Ph: (202)616-3509 Fx: (202)307-6394

Mr. Gerald Johnson  
NASA Headquarters  
300 E Street, SW  
Code R  
Washington, DC 20546  
Ph: (202)358-4711 Fx: (202)358-3750

Dr. C.J. Chatlynne, Program Manager  
Domestic Technology Transfer  
Office of the Assistant Secretary of the Air Force  
SAF-AQT  
1919 South Eads St., Suite 100  
Crystal City, VA 22202  
Ph: (703)746-8907 Fx: (703)746-8918  
E-mail: cchat@aqp.hq.af.mil

Dr. Roger Lewis  
Director  
Office of Technology Utilization (LM-20)  
U.S. Department of Energy  
Washington, DC 20585  
Ph: (202)586-5388 Fx: (202)586-8854

Dr. Philip S. Chen, Jr.  
National Institutes of Health  
9000 Rockville Pike  
Shannon Building, Room 140  
Bethesda, MD 20892  
Ph: (301)496-3561 Fx: (301)402-0027

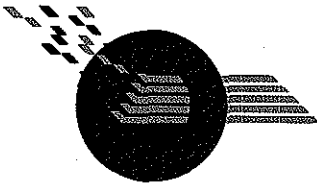
Mr. Ted Lorei, Staff Assistant  
Research and Development  
U.S. Department of Veterans Affairs (142/3)  
810 Vermont Avenue, NW  
Washington, DC 20420  
Ph: (202)535-7181 Fx: (202)535-7159

Dr. Beatrice A. Droke  
Food and Drug Administration  
HFA-500  
Park Building, Room 330  
Rockville, MD 20853  
Ph: (301)443-6890 Fx: (301)443-3651

Mr. Nicholas Montanarelli  
ARPA/TRP  
3701 N. Fairfax Drive  
Arlington, VA 22203  
Ph: (703)696-8948 or 8951 Fx: (703)696-8956

Dr. Rolland Gonano  
Domestic Technology Transfer Program Manager  
U.S. Army  
AMSRL-TT-AP  
2800 Powder Mill Road  
Adelphi, MD 20783-1197  
Ph: (301)394-4602 Fx: (301)394-5818

Mr. Michael Moore, Director  
Technology Transfer Staff  
Office of Research and Development  
Environmental Protection Agency  
401 M Street, SW (H-8105)  
Washington, DC 20460  
Ph: (202)260-7671 Fx: (202)260-0036



# NATIONAL TECHNOLOGY TRANSFER CENTER

Wheeling Jesuit College/316 Washington Ave./Wheeling, WV 26003  
(304) 243-2455 Fax (304) 243-2463

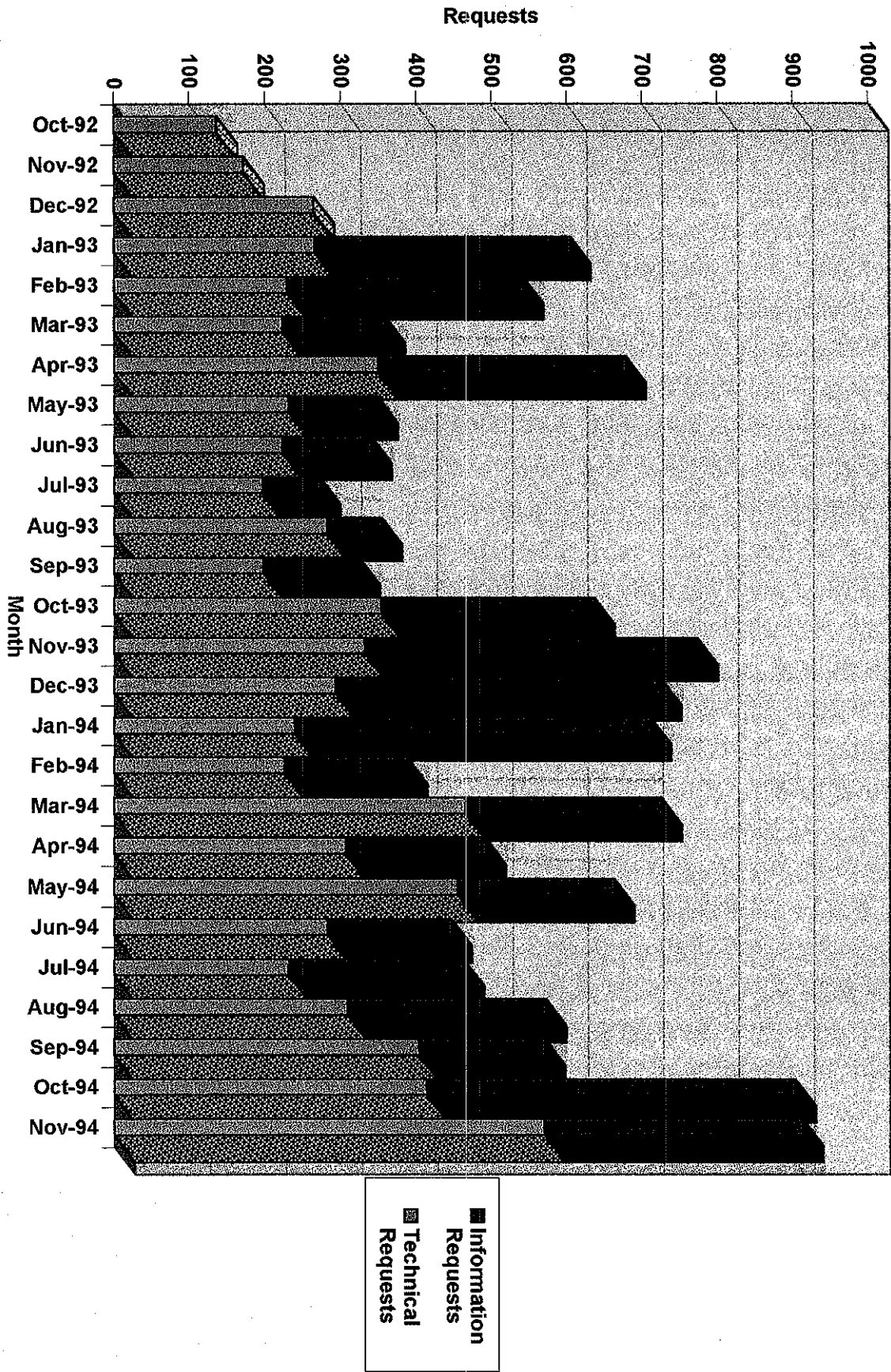
## Technology Managers Advisory Board Meeting Agenda Wednesday, January 25, 1995 10:00 a.m. to 3:00 p.m.

Crystal Gateway Marriott Hotel, Salon 6, 1700 Jefferson Davis Highway, Arlington, VA 22202

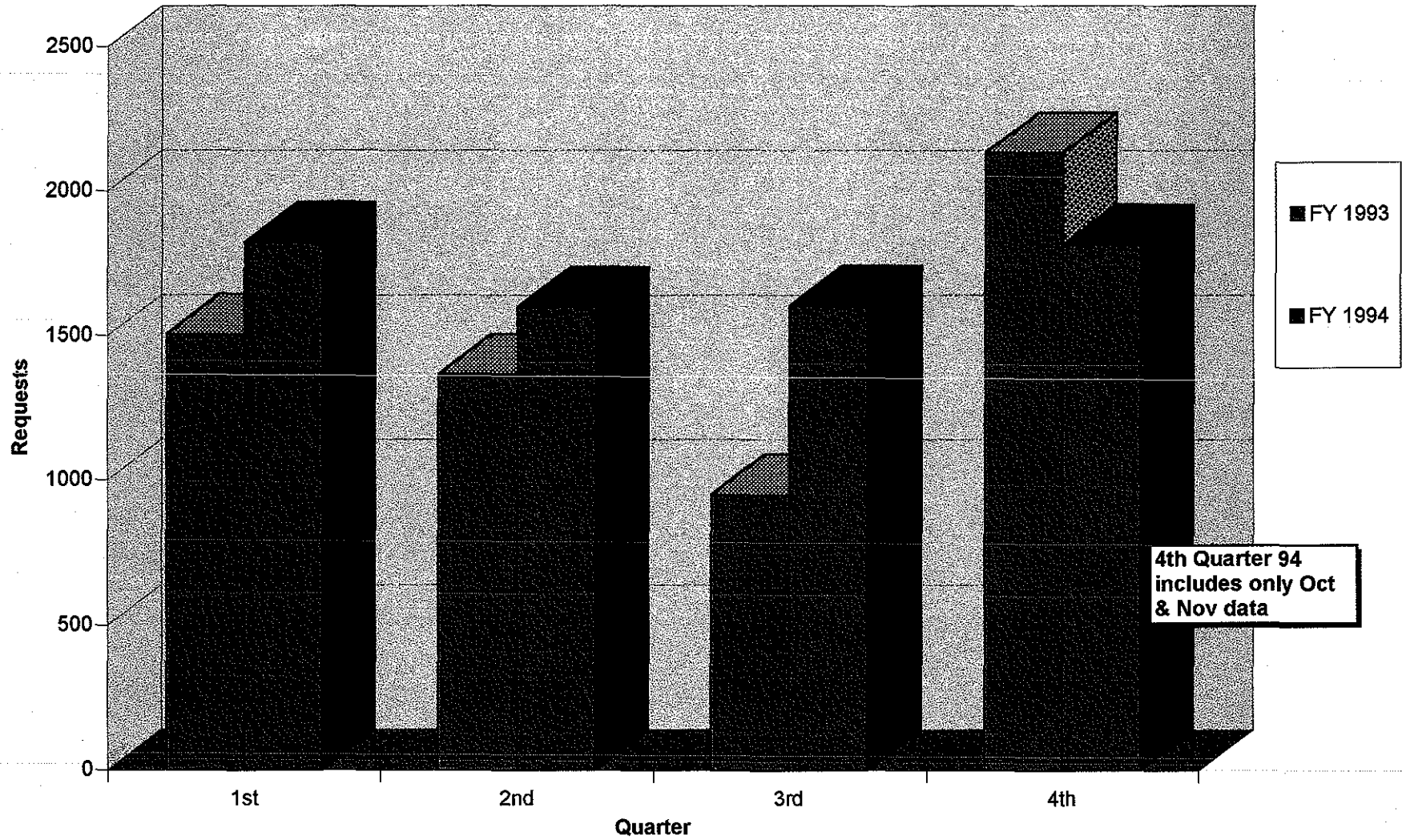
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- |               |  |
|---------------|--|
| 10:00 - 10:30 | Restructuring of the NTTC, the new operational plan, and the 5-year agreement<br><i>Lee Rivers – Executive Director</i>          |
| 10:30 - 12:00 | “Technology Transfer and the New Political Agenda”<br>Moderator: <i>Joe Allen – Director, Marketing and Economic Development</i> |
| 12:00 - 1:00  | Lunch  |
| 1:00 - 1:30   | NIEAC and the Navy CRADA Video<br><i>Andy Wowczuk – Director, Training and Instructional Design</i>                              |
| 1:30 - 1:50   | Gateway Services Highlights<br><i>Bill Arble – Director, Gateway Services</i>  |
| 1:50 - 2:10   | Metrics Program Update<br><i>Jack Carpenter – Associate Director, Metrics</i>  |
| 2:10 - 2:30   | New Programs<br><i>Jerry Bortman – Director, New Program Development</i>   |
| 2:30 - 3:00   | Open Discussion  |

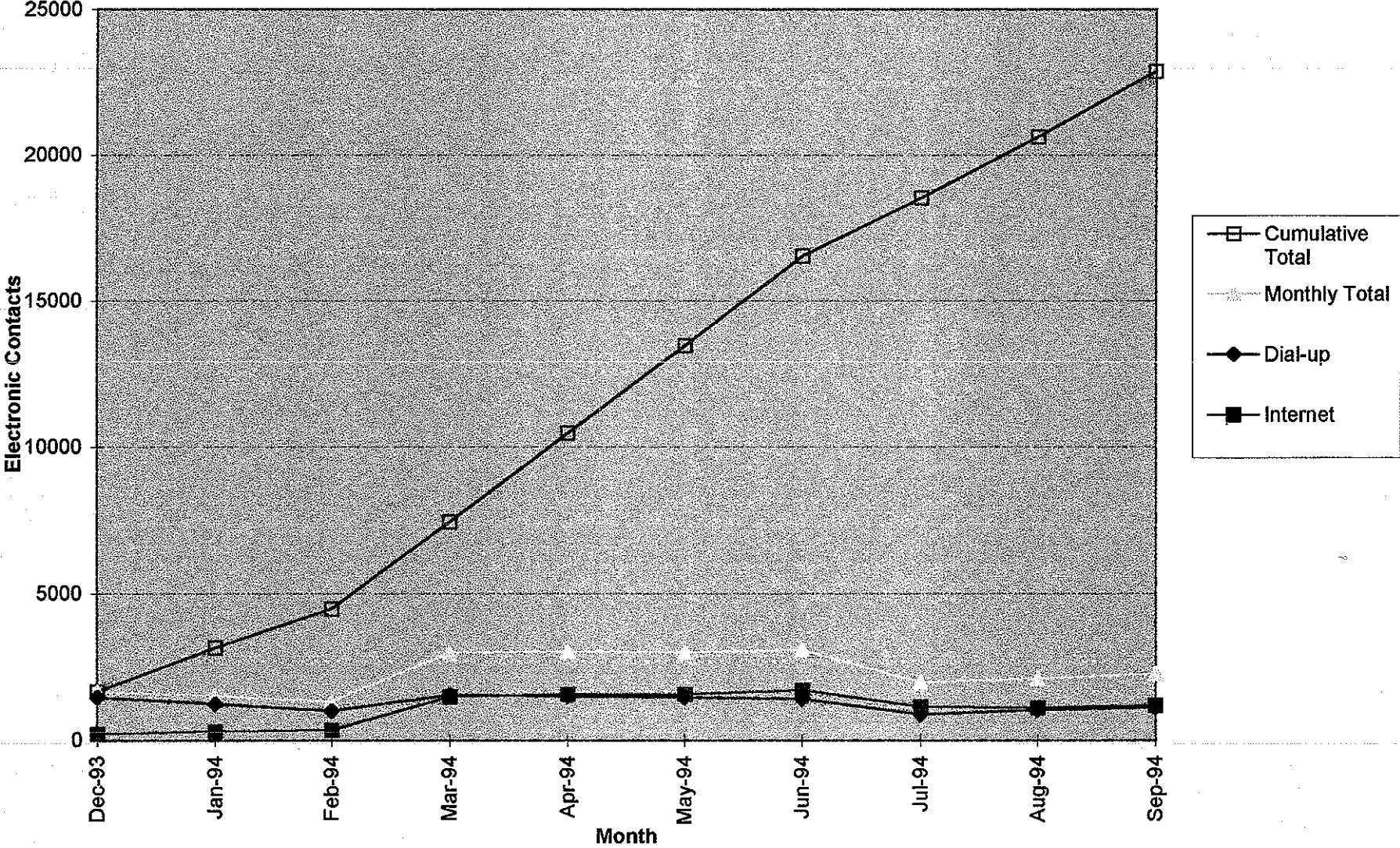
# NTTC Client Requests



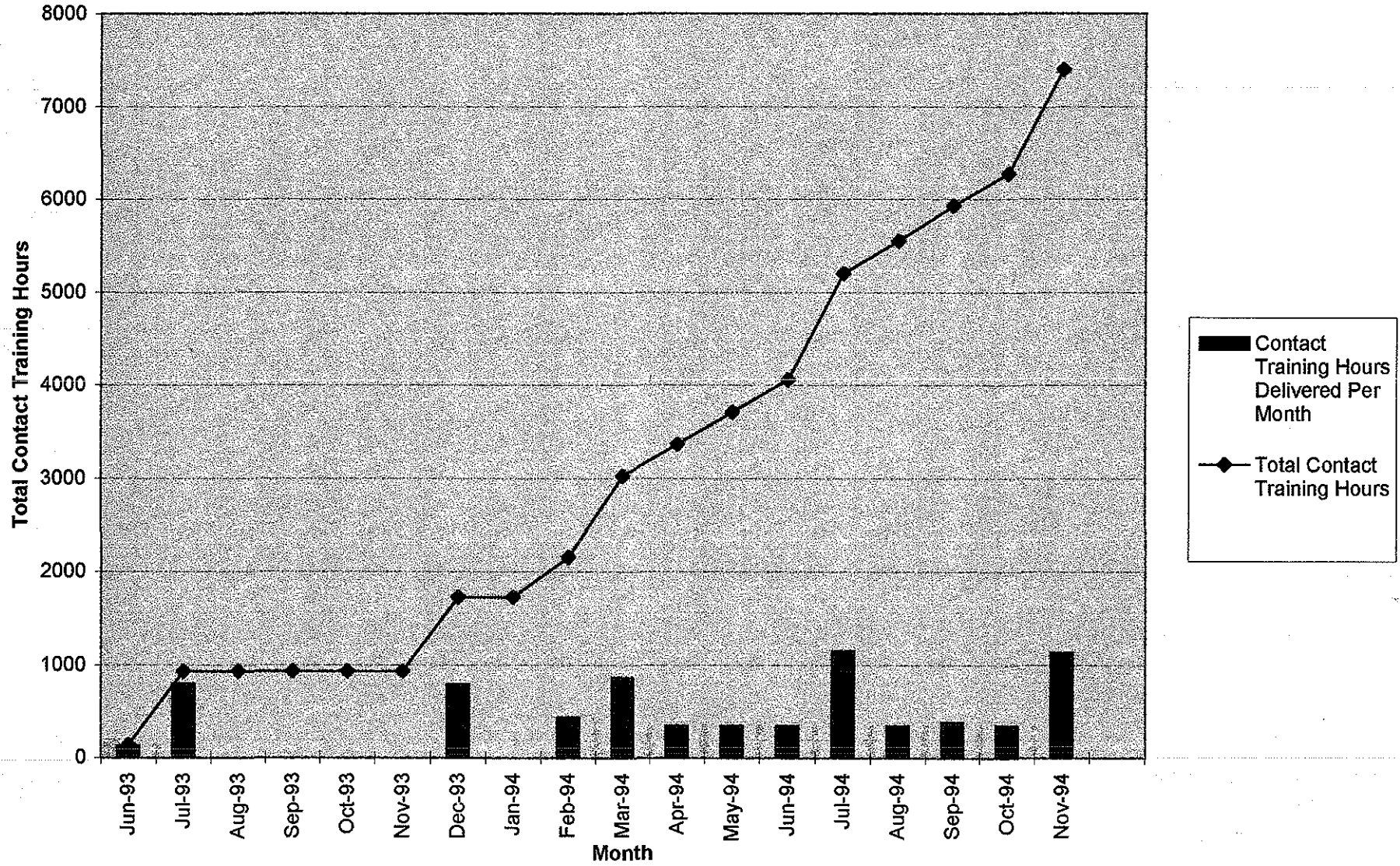
# NTTC Client Requests



# NTTC Electronic Access

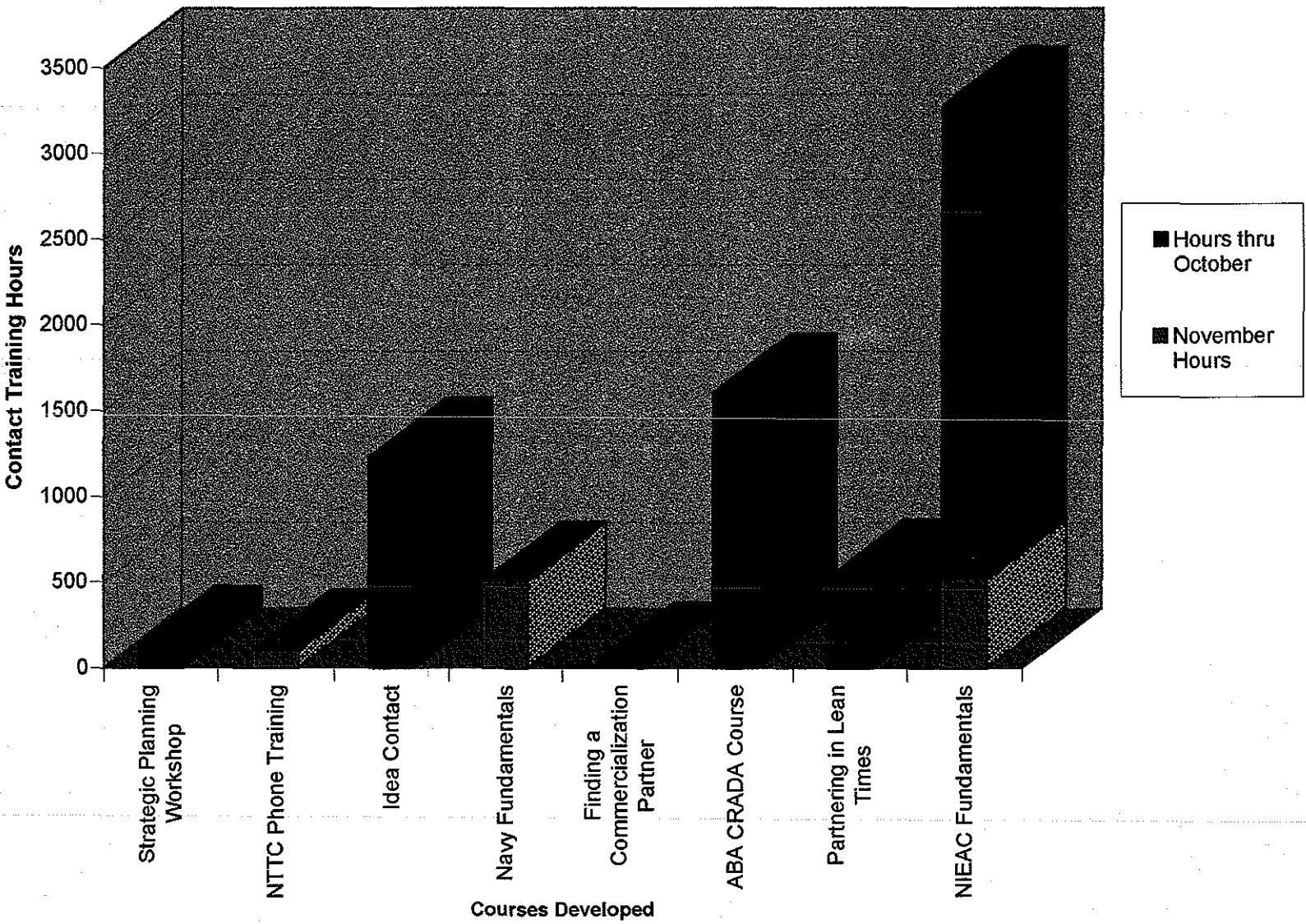


# NTTC Contact Training Hours





# NTTC Training Activities





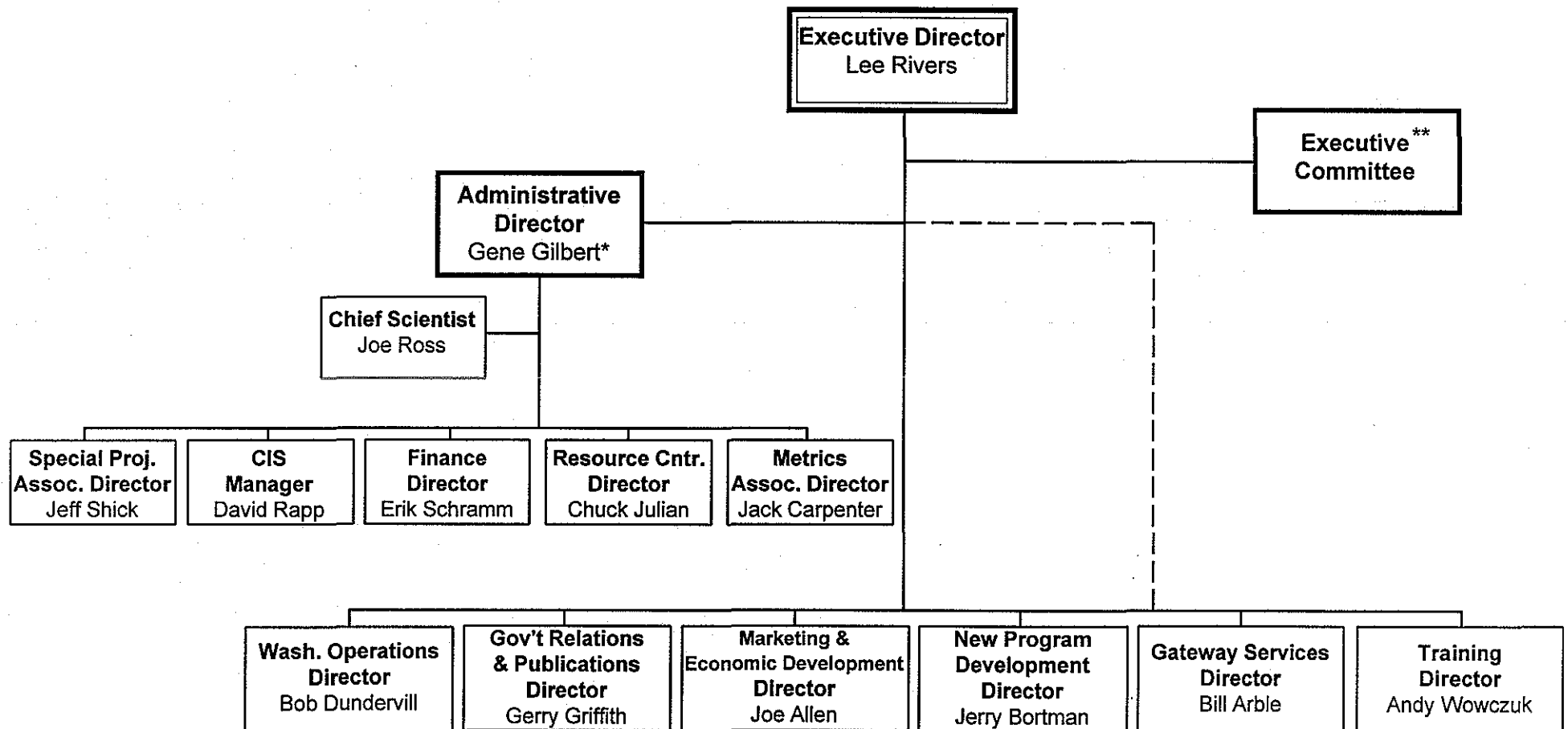
# NTTC Technology Managers Advisory Board

January 25, 1995



- Re-engineering the NTTC
- Operational Plan
- 5-year Agreement with NASA

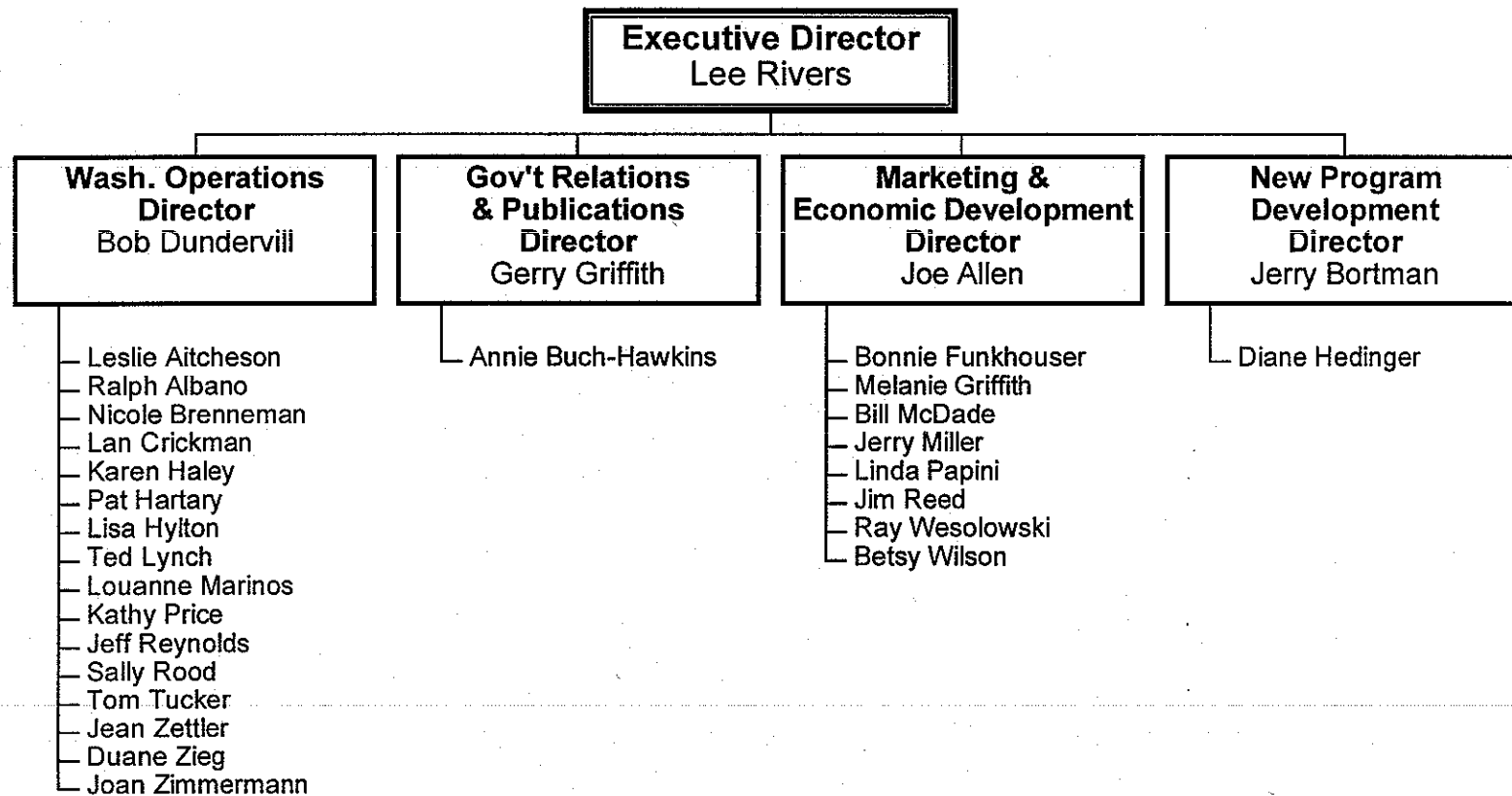
# National Technology Transfer Center Organizational Chart



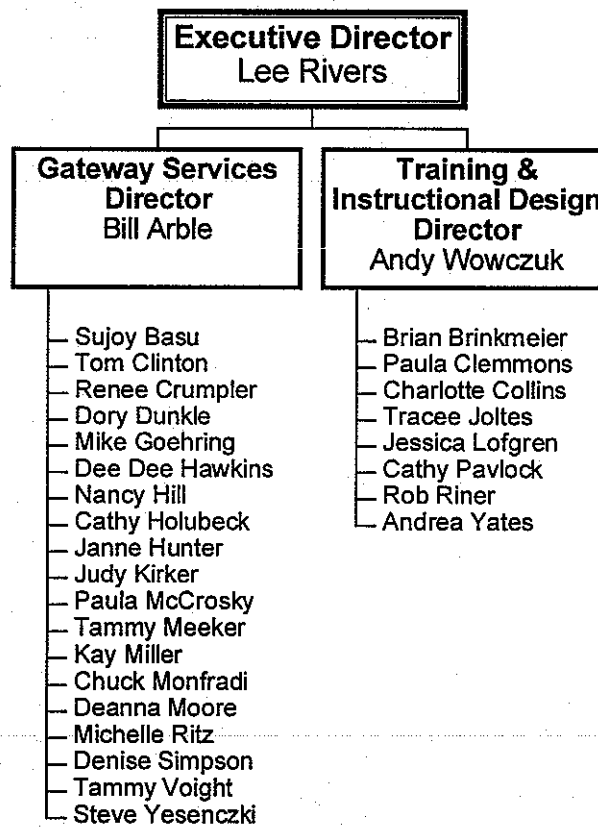
\* This person will also serve as the acting NTTC executive director during the absence of the executive director from the Center.

\*\* Members of this committee include Lee Rivers, Gene Gilbert, Joe Allen, Jerry Bortman.

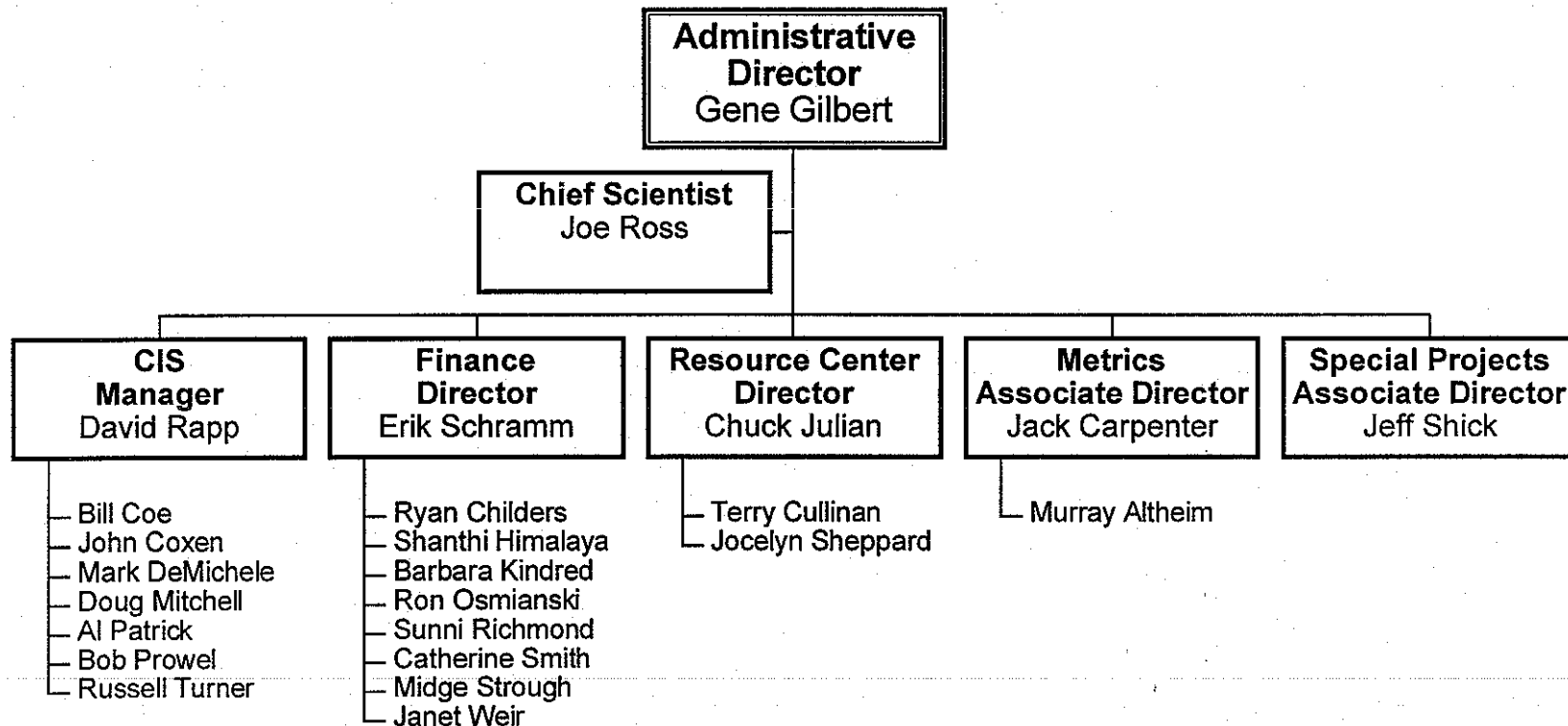
# National Technology Transfer Center Organizational Chart Breakdown



# National Technology Transfer Center Organizational Chart Breakdown

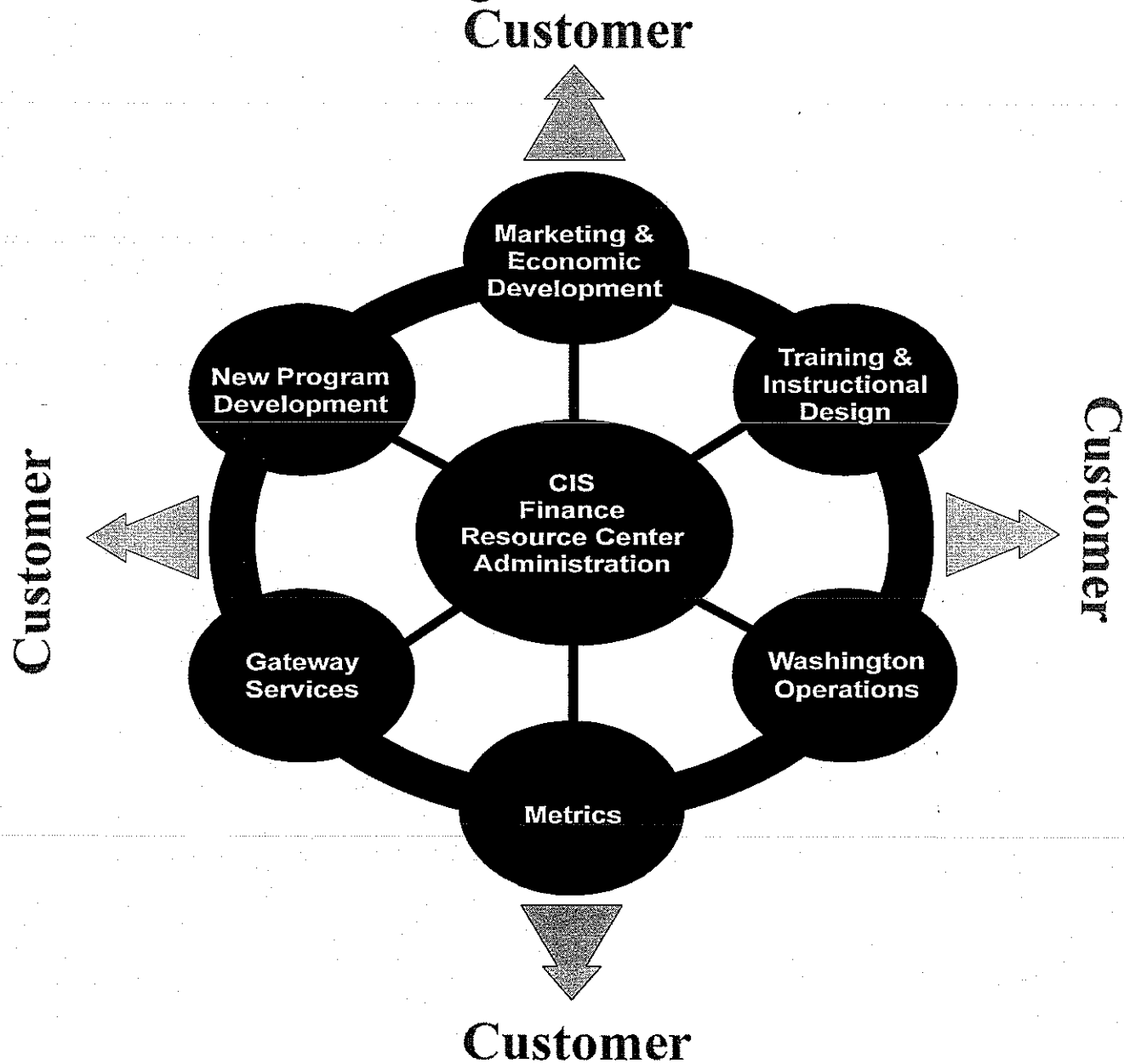


# National Technology Transfer Center Organizational Chart Breakdown





# NTTC Organizational Chart







# FY 1995 Operational Plan



# Major Operational Plan Components

- Information Collection
- National Gateway
- Training & Instructional Design
- CIS
- Metrics & Measurements
- Marketing & Economic Development
- New Program Development
- Resource Center



# Major 1995 NTTC Objectives

- Information Collection
- National Gateway
- Training
- Outreach



# FY 1995 Objectives

- Information Collection
  - Increase information received from laboratories and universities by 50 percent
- National Gateway
  - Complete 5000 technical requests
  - Increase logins on *Business Gold* by 80 percent



# FY 1995 Objectives (cont.)

- Training
  - Develop introductory module for NASA Fundamentals of Technology Transfer Program; Deliver to 7 field centers
  - Deliver 7 NIEAC (Fundamentals of Industrial Extension) workshops



# FY 1995 Objectives (cont.)

- Outreach
  - Display exhibit booth at 24 industrial trade shows
  - Place more than 40 advertisements in leading industrial and research publications
  - Deliver 20 presentations at seminars and conferences



# NASA/NTTC 5-Year Cooperative Agreement

(11/1/94 - 11/1/99)

## Operational Mode



# NTTC Sources of Funds - FY 95

\$ in Millions

NASA. . . . .	\$9.8
DOD(BMDO). . . . .	\$2.5
DOJ(OLETC)*. . . . .	\$1.5
DOD(Navy Training). . . . .	\$0.7
DOC(Entrepreneurial Technology Apprentice Program)*. . .	\$0.6
DOE(GETE)*. . . . .	\$0.4
DOC(NIEAC-TRP). . . . .	\$0.2
DOE(NTCI/KE-TRP). . . . .	\$0.2
OSTP(White House Environmental Initiative). . . . .	\$0.2
CIA*. . . . .	\$0.2
EPA. . . . .	\$0.1
<b>TOTAL. . . . .</b>	<b>\$16.4</b>

\* Pending