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FROM: Ken Freese, ADIII
Los Alamos National Laboratory

TO: Joe Allen, OPTI
FAX# 8-377-2879
VER# 8-377-8101

REF: ADIII-86-54

RE: Membership, Federal Laboratory Consortium

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U N C L A S S I F I E D

Federal Laboratory Consortium

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NORTHEAST REGION

Department of Agriculture

Forest Service

Forest Environment Project	Pennington, NJ	Harold G. Marx
Forest Environment Research Unit	Amherst, MA	"
Forest Insect & Disease Lab.	Hamden, CT	"
Forest Science Laboratory	Durham, NH	"
Forest Science Laboratory	Syracuse, NY	"
Sugar Maple Laboratory	Burlington, VT	"
Timber Research Laboratory	Orono, ME	"

Agricultural Research Service

Plum Island Animal Disease Ctr.	Greenport, LI, NY	James Hall

Department of Commerce

National Oceanic and Atmospheric Administration

Geophysical Fluid Dynamics Lab, ERL*	Princeton, NJ	Edward V. Tiernan
Gloucester lab, NMFS#	Gloucester, MA	"
Milford Lab, NMFS	Milford, CT	"
Narragansett Lab, NMFS	Narragansett, RI	"
Northeast Fisheries Center and Woods Hole Lab, NMFS	Woods Hole, MA	"
Sandy Hook Lab, NMFS	Sandy Hook, NJ	"

*ERL - Environmental Research Laboratories, Office of Oceanic and Atmospheric Research
#NMFS - National Marine Fisheries Service

Department of Defense

Air Force

Air Force Geophysics Lab.	Hanscom, MA	Dr. A.T. Stair, Jr.
Rome Air Development Center	Griffis AFB, NY	David Pierce

Army

Army Aeromechanical Engineering Laboratory	Natick, MA	Joel Carlson
Army Avionics R&D Activity	Fort Monmouth, NJ	Roy Warhover
Army Cold Regions Research & Engineering Laboratory	Hanover, NH	Andrew Assur
Army Food Engineering Lab.	Natick, MA	Joel Carlson

Army Individual Protection Laboratory	Natick, MA	Joel Carlson
Army Large Caliber Weapons Systems Laboratory	Dover, NJ	Paul L. Marinkas
Army Materials & Mechanics Research Center	Watertown, MA	David W. Seitz
Army Research Institute of Environmental Medicine	Natick, MA	Brandon E. Joyce
Army Armament R&D Center	Dover, NJ	Ray Weir
Army Fire Control & Small Weapons System Lab	Dover, NJ	Henry Opat
Army Communication-Electronics Command	Ft. Monmouth, NJ	John Boyle
Army Combat Surveillance & Target Acquisition Lab	Ft. Monmouth, NJ	C.J. Chatlynne
Army Electronics Technology & Devices Lab	Ft. Monmouth, NJ	C.J. Chatlynne
Navy		
Naval Air Engineering Center	Lakehurst, NJ	Ray Rhode
Naval Underwater Systems Center New London Laboratory	New London, CT	Margaret M. McNamara
Naval Underwater Systems Center Newport Laboratory	Newport, RI	Margaret M. McNamara
Department of Energy		
Bates Linear Accelerator Ctr.	Millerton, MA	William Lobar
Brookhaven National Laboratory	Upton, NY	William Marcuse
Environmental Measurements Lab.	New York, NY	Herbert L. Volchok
Princeton Plasma Physics Lab.	Princeton, NJ	Ellis Simon
Department of Interior		
Fish and Wildlife Service		
National Fishery Research & Development Lab.	Wellsboro, PA	Duncan Mac Donald
Tunison Laboratory of Fish Nutrition	Cortland, NY	"
Department of Transportation		
Coast Guard R&D Center	Groton, CT	Michael D'Angelo
Transportation Systems Center	Cambridge, MA	R.V. Giangrande
Federal Aviation Administration Technical Center	Atlantic City, NJ	C. Keith Law
Environmental Protection Agency		
Environmental Research Lab.	Narrangansett, RI	Michael Mastracci
Oils & Hazardous Materials Spills Branch	Edison, NJ	"

MID-ATLANTIC REGION

Department of Agriculture

Forest Service

Forest Products & Marketing Lab.	Princetown, WV	Harold G. Marx
Forestry Sciences Laboratory	Blacksburg, VA	"
Forestry Sciences Laboratory	Morgantown, WV	"
Forestry Sciences Laboratory	Warren, PA	"
Northeastern Forest & Range Experiment Station	Upper Darby, PA	"
Physiology Laboratory	Beltsville, MD	"
Timber & Watershed Laboratory	Parsons, WV	"

Agricultural Research Service

Beltsville Agricultural Research Center	Beltsville, MD	James Hall
Human Nutrition Research Center	Beltsville, MD	"
National Arboretum	Washington, DC	"
Eastern Regional Research Ctr.	Wyndmoor, PA	A.M. Cowan

Extension Service

Washington, DC — Theodore T. Maher

Department of Commerce

National Bureau of Standards

Washington, D.C. — James Wyckoff

National Oceanic and Atmospheric Administration

Advanced Systems Lab, NWS#	Silver Spring, MD	Edward V. Tiernan
Air Resources Lab, NWS	Rockville, MD	"
Assessment and Information Services Center, NESDIS*	Washington, DC	"
Climate Analysis Center, NWS	Camp Springs, MD	"
Climate and Earth Sciences Lab, NESDIS	Suitland, MD	"
Hydrologic Research Lab, NWS	Silver Spring, MD	"
Integrated Systems Lab, NWS	Silver Spring, MD	"
National Oceanographic Data Center, NESDIS	Washington, DC	"
National Systematics Lab, NMFS	Washington, DC	"
Oxford Lab, NMFS	Oxford, MD	"
Satellite Applications Lab, NESDIS	Camp Springs, MD	"

Satellite Experiment Lab, NESDIS*	Suitland, MD	Edward V. Tiernan
Techniques Development Lab, NWS#	Silver Spring, MD	"

#NWS - National Weather Service
*NESDIS - National Environmental Satellite, Data, and Information Service

Department of Defense

Air Force

Air Force Systems Command Laboratories	Andrews AFB, D.C.	Walter R. Blados

Army

Army Applied Technology Lab.	Fort Eustis, VA	Roy J. Warhover
Army Ballistic Research Lab	Aberdeen, MD	Arthur D. Coates
Army Engineer Topographic Laboratories	Fort Belvoir, VA	Richard N. Foreman
Army Human Engineering Lab	Aberdeen, MD	Donald O. Egner
Army Institute of Dental Research	Washington, D.C.	Gino C. Battistone
Army Medical Bioengineering Research	Frederick, MD	Robert J. Summary
Army Medical Research Institute of Infectious Diseases	Frederick, MD	William C. Patrick, III
Army Belvoir R&D Center	Fort Belvoir, VA	M. Connie Harrisson
Army Night Vision & Electro-Optics Laboratories	Fort Belvoir, VA	Marguerite McFarland
Army Material Command	Alexandria, VA	E.J. (Jack) Kolb
Army Electronics R&D Command	Adelphi, MD	C.J. Chatlynne
Army Chemical R&D Center	Aberdeen Proving Ground, MD	R. Hinkle
Army Research Institute for Behavioral & Social Sciences	Alexandria, VA	Edward Fuentes
Army Structures Laboratory	Hampton, VA	Roy J. Warhover
Chemical Research & Developmt. Center	Aberdeen, MD	Ronald Hinkle
Coastal Engineering Research Center	Fort Belvoir, VA	Dennis Berg
Harry Diamond Laboratory	Adelphi, MD	Clifford E. Lanham
Medical Research Institute of Chemical Defense	Aberdeen, MD	Susan Luckan
Walter Reed Army Institute of Research	Washington, D.C.	B. Nolan Dale
Army Signals Warfare Lab	Warrenton, VA	Royal H. Burkhardt

Navy		
David W. Taylor Naval Ship R&D Center	Bethesda, MD	Basil Nakonechny
Naval Air Development Center	Warminster, PA	Jerome Bortman
Naval Explosive Ordnance Disposal Center	Indian Head, MD	Lionel Dickinson
Naval Research Laboratory	Washington, D.C.	Richard Fulper, Jr.
Naval Surface Weapons Center	White Oak, MD	Ramsey Johnson
Department of Energy		
Morgantown Energy Tech. Ctr.	Morgantown, WV	Claire H. Sink
Pittsburgh Energy Tech. Ctr.	Pittsburgh, PA	William C. Peters
Department of Health & Human Services		
Medical Devices Laboratory	Rockville, MD	Edward Mueller
Department of Interior		
Bureau of Mines		
USBM Technology Transfer Group	Washington, DC	Donald E. Ralston
Avondale Research Center	Avondale, MD	"
Pittsburgh Research Center	Pittsburgh, PA	"
Fish & Wildlife Service		
Eastern Energy and Land Use Team	Kearneysville, WV	Duncan Mac Donald
National Fisheries Center - Leetown	Kearneysville, WV	"
Patuxent Wildlife Research Center	Laurel, MD	"
Geological Survey		
USGS National Center	Reston, VA	Ethan T. Smith
Department of Justice		
Federal Bureau of Investigation	Quantico, VA	Kenneth W. Nimmick
Department of Transportation		
Fairbank Highway Research Station	Washington, D.C.	Robert Betsold

Environmental Protection Agency

Vint Hill Field Station	Warrington, VA	Michael Mastracci

National Aeronautics & Space Administration (NASA)

Goddard Space Flight Center	Greenbelt, MD	Donald S. Friedman
Langley Research Center	Hampton, VA	John Samos
Wallops Flight Center	Wallops, VA	Gilmore H. Trafford

SOUTHEAST REGION

Department of Agriculture

Forest Service

Coweeta Hydrologic Laboratory	Franklin, NC	Harold G. Marx
Forest Fire Laboratory	Macon, GA	"
Forest Hydrology Laboratory	Oxford, MS	"
Forest Recreation Unit	Tuskegee, AL	"
Forest Resources Laboratory	Lehigh Acres, FL	"
Forest Tree Seed Laboratory	State College, MS	"
Forestry Recreation Unit	Clemson, SC	"
Forestry Sciences Laboratory	Athens, GA	"
Forestry Sciences Laboratory	Auburn, AL	"
Forestry Sciences Laboratory	Berea, KY	"
Forestry Sciences Laboratory	Charleston, SD	"
Forestry Sciences Laboratory	Marianna, FL	"
Forestry Sciences Laboratory	Research Triangle, NC	"
Institute of Forest Genetics & Forest Insect & Disease Laboratory	Gulfport, MS	"
Institute of Tropical Forestry	Pio Pedras, Puerto Rico	"
Naval Stores & Timber Product Laboratory	Olustee, FL	"
Silviculture Laboratory	Sewanee, TN	"
Southeast Forest Experiment Station	Ashville, NC	Gordon Lewis
Southern Hardwoods Laboratory	Stoneville, MS	Harold G. Marx

Agricultural Research Service

Delta States Research Center	Stoneville, MS	James Hall
Richard B. Russell Research Ctr.	Athens, GA	"

Department of Commerce

National Oceanic and Atmospheric Administration

Atlantic Oceanographic and Meteorological Labs, ERL	Miami, FL	Edward V. Tiernan
Beaufort Lab, NMFS	Beaufort, NC	"
Charleston Lab, NMFS	Charleston, SC	"
Mississippi Lab, NMFS	NSTL Station, MS	"
National Climatic Data Center, NESDIS	Asheville, NC	"
NOAA Data Buoy Center, NWS	NSTL Station, MS	"
Panama City Lab, NMFS	Panama City, FL	"
Southeast Fisheries Center and Miami Lab, NMFS	Miami, FL	"

Department of Defense

Air Force

Air Force Armament Laboratory	Eglin AFB, FL	Albert Young
Air Force Engineering & Services Center	Tyndall AFB, FL	Bob Van Orman

Army

Army Aeromedical Research Lab.	Fort Rucker, AL	Sybil H. Bullock
Army Engineers Waterways Experiment Station	Vicksburg, MS	Joseph V. Dawsey
Army Missle R&D Command	Redstone Arsenal, AL	Howard C. Race
Army Research Office	Research Triangle Park, NC	Rodney I. McCormick

Navy

Naval Coastal Systems Lab.	Panama City, FL	Don Wright
Naval Oceanographic Office	Bay St. Louis, MS	Clay Griffith
Naval Ocean R&D Activity	NSTL, MS	George Stanford, Jr.

Department of Energy

Center for Energy & Environment Research	San Juan, Puerto Rico	Angel Calderon
Oak Ridge Associated Universities	Oak Ridge, TN	Tina McKinley
Oak Ridge National Laboratory	Oak Ridge, TN	Donald Jared
Y-12 Plant	"	"
Oak Ridge Gaseous Diffusion Plant	"	"
Paducah Gaseous Diffusion Plant	Paducah, KY	"
DOE Technical Information Center	Oak Ridge, TN	Wm. F. Simpson, Jr.
Savannah River Ecology Laboratory	Aiken, SC	Michael H. Smith
Savannah River Laboratory	Aiken, SC	C. Banick

Department of Health and Human Services

National Institutes of Health

Center for Disease Control	Atlanta, GA	Joyce Essien

Department of Interior

Bureau of Mines

Tuscaloosa Research Center	Tuscaloosa, AL	Donald E. Ralston

Department of Interior (continued)

Fish & Wildlife Service

National Coastal Ecosystems Team	Slidell, LA	Duncan Mac Donald
National Fishery Research Lab - Gainsville	Gainsville, FL	"
Southeastern Fish Cultural Lab.	Marion, AL	"

Environmental Protection Agency

Environmental Criteria and Assessment Office	Research Triangle Park, NC	Si Duk Lee
Environmental Monitoring Systems Laboratory	"	"
Environmental Research Lab	Athens, GA	Michael Mastracci
Environmental Research Lab	Gulf Breeze, FL	"
Environmental Sciences Research Laboratory	Research Triangle Park, NC	Si Duk Lee
Health Effects Research Lab	"	"
Industrial Environmental Research Laboratory	"	"

National Aeronautics & Space Administration (NASA)

George Marshall Space Flight Center	Marshall SFC, AL	Ismail Akbay
Kennedy Space Center	Kennedy SC, FL	Reed Barnett
National Space Technology Laboratories	Bay St. Louis, MS	Robert M. Barlow

MID-WEST REGION

Department of Agriculture

Forest Service

Forest Engineering Laboratory	Houghton, MI	Harold G. Marx
Forest Insect & Disease Lab.	Delaware, OH	"
Forest Products Laboratory	Madison, WI	Rod G. Larson
Forestry Sciences Laboratory	Carbondale, ILL	Harold G. Marx
Institute of Forest Genetics	Rhinelander, WI	"
North Central Forest Experiment Station	St. Paul, MN	"
Northern Conifers Laboratory	Grand Rapids, MN	"
Northern Hardwoods Laboratory	LaCrosse, WI	"

Agricultural Research Service

Northern Regional Research Center	Peoria, IL	A.M. Cowan

Department of Commerce

National Oceanic and Atmospheric Administration

Great Lakes Environmental Research Lab, ERL	Ann Arbor, MI	Edward V. Tiernan
Satellite Development Lab, NESDIS	Madison, WI	"

Department of Defense

Air Force

Air Force Aeropropulsion Lab.	Wright Patterson, OH	Cindy Ingalls
Air Force Aerospace Medical Research Laboratory	"	"
Air Force Avionics Laboratory	"	"
Air Force Materials Laboratory	"	"
Air Force Wright Aeronautical Laboratory	"	"

Army

Army Construction Engineering Research Laboratory	Champaign, IL	G.R. Williamson
Army Propulsion Laboratory	Cleveland, OH	Roy J. Warhover
Army Tank-Automotive R&D Command	Warren, MI	Robert Hostetler

Navy

Naval Weapons Support Center	Crane, IN	Terry Weaver

Department of Defense

Air Force

Air Force Aerospace Medical Division	Brooks AFB, TX	James S. Turner
Air Force Human Resources Lab.	"	Joseph Hazel
Air Force School of Aerospace Medicine	"	Walter R. Blados
Air Force Weapons Laboratory	Kirtland AFB, NM	Margaret Putnam
Frank J. Seiler Research Lab.	USAF Academy, CO	Walter R. Blados

Army

Army Institute of Surgical Research	Fort Sam Houston, TX	Basil A. Pruitt, Jr.
Dugway Proving Grounds	Dugway, UT	Lothar L. Salomom
Army Atmospheric Sciences Lab.	White Sands Missle Range, NM	Carl Wright
Army Aviation Systems Command	St. Louis, MO	Roy J. Warhover

Department of Energy

Ames Laboratories	Ames, Iowa	Daniel E. Williams
Bartlesville Project Office	Bartlesville, OK	C.C. Linville
Inhalation Toxicology Research Institute	Albuquerque, NM	Robert K. Jones
Los Alamos Scientific Lab.	Los Alamos, NM	Eugene Stark
Radiobiology Laboratory (U of Utah)	Salt Lake, UT	Walter Stevens
Rocky Flats Plant	Golden, CO	Robert M. Nelson
Sandia Laboratories	Albuquerque, NM	Robert P. Stromberg
Solar Energy Research Institute	Golden, CO	H. Dana Moran

Department of Interior

Bureau of Mines

Denver Research Center	Denver, CO	Donald E. Ralston
Rolla Research Center	Rolla, MO	"
Salt Lake City Research Center	Salt Lake, UT	"

Fish & Wildlife Service

Denver Wildlife Research Center	Denver, CO	Duncan MacDonald
Fish Farming Experimental Station	Stuttgart, AR	"
National Fishery Research Lab - Columbia	Columbia, MO	"
Northern Prarie Wildlife Research Center	Jamestown, ND	"
Office of Information Transfer	Fort Collins, CO	"
Western Energy & Land Use Team	Fort Collins, CO	"

FAR WEST REGION

Department of Agriculture

Forest Service

Boise Interagency Fire Center	Boise, ID	John Warren
California Rangeland Project	Fresno, CA	Harold G. Marx
Equipment Development Center	San Dimas, CA	Farnum M. Burbank
Forest Engineering Laboratory	Seattle, WA	Harold G. Marx
Forest Fire Laboratory	Riverside, CA	"
Forest Hydrology Laboratory	Tempe, AZ	"
Forest Hydrology Laboratory	Wenatchee, WA	"
Forestry Sciences Laboratory	Boise, ID	"
Forestry Sciences Laboratory	Corvallis, OR	"
Forestry Sciences Laboratory	Flagstaff, AZ	"
Forestry Sciences Laboratory	Juneau, AK	"
Forestry Sciences Laboratory	Moscow, ID	"
Forestry Sciences Laboratory	Olympia, WA	"
Institute of Northern Forestry	Fairbanks, AK	"
Institute of Pacific Island Forestry	Honolulu, HI	"
Pacific Northwest Forest & Range Experiment Station	Portland, OR	"
Pacific Southwest Forest & Range Experiment Station	Berkeley, CA	"
Range & Wildlife Habitat Lab.	LaGrande, OR	"
Range Research Laboratory	Tucson, AZ	"
Redwoods Laboratory	Arcata, CA	"
Silviculture Laboratory	Bend, OR	"
Silviculture Laboratory	Redding, CA	"

Agricultural Research Service

Water Conservation Laboratory	Phoenix, AZ	James Hall
Snake River Conservation Research Center	Kimberly, ID	"
Western Regional Research Center	Albany, CA	A.M. Cowan

Department of Commerce

National Oceanic and Atmospheric Administration

Auke Bay Lab, NMFS	Auke Bay, AK	Edward V. Tiernan
Honolulu Lab, NMFS	Honolulu, HI	"
Northwest and Alaska Fisheries and Seattle Lab, NMFS	Seattle, WA	"
Northwest Ocean Service Center, NOS	Seattle, WA	"

Pacific Marine Environmental Lab, ERL	Seattle, WA	Edward V. Tiernan
Southwest Fisheries Center and La Jolla Lab, NMFS	La Jolla, CA	"
Tiburon, Lab, NMFS	Tiburon, CA	"

*NOS - National Ocean Service

Department of Defense

Air Force

Air Force Rocket Propulsion Laboratory	Edwards, CA	Chris Degnan

Army

Army Aeromechanics Laboratory	Moffett Field, CA	Roy J. Warhover
Letterman Army Institute of Research	San Francisco, CA	Jack Keller

Navy

Naval Civil Engineering Lab.	Port Hueneme, CA	Peter Tafoya
Naval Health Research Center	San Diego, CA	Lt. Thomas F. Hilton
Naval Ocean Systems Center	San Diego, CA	Richard November
Naval Postgraduate School	Monterey, CA	J.W. Creighton
Naval Weapons Center	China Lake, CA	George F. Linsteadt
Navy Personnel R&D Center	San Diego, CA	Harold H. Rosen

Department of Energy

Battelle Pacific Northwest Lab.	Richland, WA	Marvin Clement
Energy Technology Engineering Center	Canoga Park, CA	Guy Ervin
Hanford Engineering Development Laboratory	Richland, WA	J. David Watrous
Idaho National Engineering Lab.	Idaho Falls, ID	Jane M. Welch
Laboratory of Biomedical & Environmental Sciences	Los Angeles, CA	Wm. J. Moffitt
Laboratory of Radiobiology and Environmental Health	San Francisco, CA	Sheldon Wolff
Laboratory for Energy - Related Health Research	Davis, CA	Marvin Goldman
Lawrence Berkeley Laboratory	Berkeley, CA	Robert J. Morris
Lawrence Livermore Laboratory	Livermore, CA	Charles Miller
Stanford Linear Accelerator Ctr.	Stanford, CA	Eugene B. Rickansrud

Department of Interior

Bureau of Mines

Albany Research Center	Albany, OR	Donald E. Ralston
Reno Research Center	Reno, NV	"
Spokane Research Center	Spokane, WA	"

Fish & Wildlife Service

Seattle National Fishery Reserach Center	Seattle, WA	Duncan MacDonald

Geological Survey

United States Geological Survey	Menlo Park, CA	George Gryc

Environmental Protection Agency

Environmental Monitoring Systems Laboratory	Las Vegas, NV	Michael Mastracci
Environmental Research Lab	Corvallis, OR	"

National Aeronautics & Space Administration (NASA)

Ames Research Center	Moffett Field, CA	Stanley Miller
Jet Propulsion Laboratory	Pasadena, CA	Joseph Goudy

0155A/0017

National Governors' Association

James R. Th
Governor of
Chairman

Raymond C.
Executive Di

February 16, 1984

Clarence J. Brown
Deputy Secretary
U.S. Department of Commerce
Room 5838, Herbert Hoover Building
14th Street and Constitution Avenue, N.W.
Washington, DC 20230

Dear Mr. Brown:

The members of the Task Force on Technological Innovation would like to express their appreciation for your participation in the upcoming February 26 work session. I have enclosed a copy of the final agenda for that session and I am sure you will agree that you will be joining a most distinguished panel of guests. Governor Jim Hunt would like to invite you to join him, Task Force Governors, and other program participants at 9:00 a.m. in an informal gathering before the meeting for coffee and pastry in Columbia C, adjacent to the meeting room.

This agenda represents the broad range of perspectives and actors involved in the area of technology policies for economic development, and exemplifies the intergovernmental and intersectoral approach to coordinating state and federal technology policies emphasized by the Task Force membership. Also enclosed is a copy of the discussion paper, "Technological Innovation: State Initiatives and Federal Policy" which is intended to serve as the initial basis not only for the February 26 work session, but also for any continuing cooperative effort that might emerge from this meeting.

Members of the Task Force place a premium on maximizing the opportunity for informal discussions between themselves and panelists at their work sessions. For this reason, participants have not been asked to prepare individual presentations, but rather to be prepared to address a number of issues related to technological innovation as their particular expertise or position warrants. While we therefore anticipate a relatively informal and wide-ranging discussion focused around the central topic of joint state-federal technological innovation strategies, it would be helpful at this point to delineate several key issues of interest to Task Force members. This should serve, in addition to the discussion paper itself, to focus your preparations for this meeting. Six such possible discussion points involving intergovernmental cooperative issues have been attached. However, these by no means encompass the full range of possibilities. The Governors expect that you will feel free to interject points during the meeting you consider relevant and representative of your perspective.

A general state-level perspective has been outlined in the accompanying discussion paper. Other issues of concern to the Task Force members will emerge during the session as the Governors draw from their individual state and regional experiences. If you need any information regarding the Task Force or specifics on the meeting itself, please feel free to contact either me (624-7814) or staff assistant Brent Lane (624-7874).

Sincerely,

Charilyn W. Cowan

Charilyn W. Cowan
Staff Director
Committee on Transportation,
Commerce and Communications

SELECTED TOPICS

Recent experiences of governors and states in pursuing individual technology development economic strategies have distinquished several potential areas for enhancing state and federal cooperative efforts. These six areas could be explored at the Task Force technology work session. A number of additional issues are expected to emerge from the meeting, but the following may establish some initial parameters for interaction:

1. State and local governments have been active in support of technological innovation through a great variety of mechanisms, yet the success of most such efforts depends directly or indirectly on economic factors transcending state and local jurisdictions. The federal government should play the primary role in establishing a national economic enviroment conducive to technological innovation activities. While a number of actions in regard to tax and monetary policies have been implemented, additional actions, such as extending the R&D tax credit, antitrust protection for joint R&D activities, and expanding venture capital availability to small businesses, may be necessary.

2. Given existing and future federal and state budgetary constraints, joint initiatives might most appropriately address mechanisms to optimize the utilization of existing scientific and technological research resources in support of economic development. An effort should be made to more effectively translate the results of federal R&D expenditures, in both defense and non-defense related areas, into civilian economy applications. Given the emerging role of state and local governments as technological facilitators in public/private sector relations, existing programs such as the Stevenson-Wydler federal laboratories provisions and the Small Business Innovation Research program might be amended to enhance their utility as components of state and local technology development strategies.

3. The Department of Commerce, the Small Business Administration, the Department of Housing and Urban Development, the National Science Foundation, and other federal agencies cumulatively administer a broad spectrum of programs which have supported traditional development activities according to each agencies' particular mission orientations. Though implemented at the state and local level, the mission-oriented rigidity of many such programs often denies the flexibility necessary to address state and local development priorities. The Community Block Grant Program was recently amended to permit increased flexibility in applying those funds to economic development activity. Other existing assistance programs should also be examined to identify means by which state and local governments might innovatively direct those programs to technology development efforts.

4. American "high technology" manufacturing industries possess a significant comparative advantage in international trading. Indeed, in a period of record trade deficits, the U.S. continues to run a substantial surplus in terms of advanced technology products. States are increasing their activity in support of international trade by encouraging local firms' participation through a variety of incentive programs. However, small businesses in general, and new technology-based ventures in particular, encounter a number of obstacles which often preclude their participation in the growing world economy. How might the federal government cooperate with state and local governments to encourage greater small business international trading activity, especially among those technologically innovative small enterprises which constitute important elements of most state technology development strategies?

5. Accelerating the commercialization process for innovative technologies has often required closer working relationships between research universities and local industry. Recognizing this correspondence, many states have attempted to institutionalize academic-industrial linkages and partnerships through a variety of mechanisms such as innovation centers, incubator facilities and direct research support. As the principal supporter of academic basic research at state universities, the federal government shares a mutual interest with states in promoting the utilization of these research efforts.

6. A perennial criticism of the R&D enterprise in the U.S. is that there is no apparent overall strategy. Such criticism has given rise to proposals to create a National Technology Foundation, or by other means to create a more cohesive way of formulating and carrying out goals and objectives with respect to scientific, engineering and technological pursuits. Running counter to these proposals is the contention that the Science Advisor to the President, the Office of Science and Technology Policy and the National Science Foundation, working with other federal agencies, Congress, state governments and private sector, comprise a suitable structure for effective strategic planning. If such a structure exists, how might it acknowledge and incorporate the growing leadership of states as actors in the technology policy arena? If such a strategy is to be considered, how might state-level leadership in developing the economic growth potential of technological innovation be enhanced?

National Governors' Association

James R. Thompson
Governor of Illinois
Chairman

Raymond C. Scheppach
Executive Director

TASK FORCE ON TECHNOLOGICAL INNOVATION

WORK SESSION
Sunday, February 26, 1984
9:30 - 11:00 a.m.

GOVERNOR JAMES B. HUNT, JR.
Chairman

GOVERNOR DICK THORNBURGH
Vice-Chairman

Roundtable discussion of Governors and task force guests:

Congressman Timothy Wirth, Chairman
Subcommittee on Telecommunications, Consumer Protection and Finance
United States House of Representatives

Donald S. Beilman
President
Microelectronics Center
of North Carolina

Clarence J. Brown
Deputy Secretary
U.S. Commerce Department

Lewis M. Branscomb
Chairman
National Science Board

William Carey
Executive Officer
American Association for the
Advancement of Science

Dale R. Corson
Chairman
Government-University-
Industry
Research Roundtable

John H. Gibbons
Director
Congressional Office of
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Task Force on Technological Innovation

STATE INITIATIVES AND FEDERAL POLICY

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